Abstract

We present the first taxonomic checklist of the Poaceae species of the Serengeti, Tanzania. A review of the literature and herbarium specimens recorded 200 species of grasses, in line with similar studies in other parts of East Africa. The checklist is supported by a total of 939 herbarium collections. Full georeferenced collection data is made available alongside a summary checklist in pdf format. More than a quarter of the species are known from a single collection highlighting the need for further research, especially concerning the rare species and their distribution.

Keywords

Tanzania, Poaceae, Ngorongoro

Introduction

The Serengeti Ecosystem Region (abbreviated as SER) is an area of 25,000 km², found south of the Tanzania and Kenya border between 2° and 4° S, defined by the movement of migratory wildebeest (McNaughton 1983). The Serengeti National Park (established in 1940, 14,700 km²) and the Ngorongoro Conservation Area (established in 1959, 8,300
km²) form the majority of the SER. Both are also designated by UNESCO as World Heritage Sites and Biosphere Reserves. There are a further five smaller reserves surrounding the Serengeti National Park; Maswa in the south; Grumeti, Ikoma, and Ikorongo in the east and the Loliondo Game Controlled Area in the west (World Bank 1993). Over the border in Kenya and contiguous to the Serengeti National Park is the Masai Mara National Reserve (World Bank 1993).

Vegetation

The SER is part of White's Somalia-Masia vegetation type (White 1983). The Serengeti plains which range from 1600-1800 m are characterised by "short" and "tall" grasslands and woody savanna with rocky outcrops called "kopje" (Anderson and Talbot 1965, Lind and Morrison 1974, Herlocker 1975). The short grasslands in the east are dominated by *Sporobolus* and *Kyllinga* species whilst in the west the tall grasslands are dominated by *Pennisetum*, *Andropogon* and *Themeda* species (Lind and Morrison 1974). Intermediate grasslands of *Cynodon* and *Sporobolus* are found between the short and tall grassland areas. Seventeen different grassland communities have been characterised (McNaughton 1983): six short grassland communities, three tall and eight medium. The distribution and growth of grass species in the Serengeti plains depends on a number of factors including soil depth and texture, salt concentration, degree of wind erodability, rainfall and grazing pressure (Anderson and Talbot 1965, Lind and Morrison 1974).

The Ngorongoro Conservation Area is dominated by a volcano formed 5-7 million years ago with a large central caldera formed 1-2 million years ago (Anderson and Herlocker 1973). The crater reaches over 3350 m high but the crater floor is lower at 1737 m (Anderson and Herlocker 1973). The main vegetation types are grasslands, swamps, montane heath and woodland (Herlocker and Dirschl 1972). Similar to the Serengeti plains, the distribution of the Ngorongoro grasslands are influenced by soils, climate, grazing pressures and fire (Anderson and Herlocker 1973).

Species

The grass flora of Tanzania is documented through the Flora of Tropical East Africa (Clayton et al. 1970, Clayton et al. 1974, Clayton and Renvoize 1982). Grassland ecology in the SER has been well studied (for example Anderson and Talbot 1965, McNaughton 1983) but these studies have focused on community structure and distribution not on species composition. There are also vegetation maps for the Serengeti woody species (Herlocker 1975) and the Ngorongoro Conservation Area (Herlocker and Dirschl 1972) but full species checklists are not included. Therefore there is a requirement for a checklist of grass species to support ecological studies on the flora and fauna of the SER.

Materials and methods

To compile the checklist specimen data were gathered from literature and herbaria sources. Specimens from the Tanzania Serengeti Ecosystem region were databased at K, Williams E et al.
NHT and at the Serengeti Wildlife Research Centre’s herbaria in 2013 and 2014. Specimens from AAU, MO and US were downloaded from GBIF on 20th May 2014 (GBIF 2014). Specimen data was obtained from EA herbarium on 3rd September 2014 from available digitised records. All specimens were databased using BRAHMS version 7.5 (Botanical Research and Herbarium Management System) software (University of Oxford 2014). Additional specimen literature citations were added from The Flora of Tropical East Africa (Clayton et al. 1970, Clayton et al. 1974, Clayton and Renvoize 1982).

All specimens where possible were georeferenced using the FTEA gazetteer (Polhill 1988) and the Serengeti official map (Hopcraft 2013). Species names, authorities, synonymy and global distribution were checked with the World Checklist of Selected Plant Families (Clayton et al. 2014).

Data was uploaded from BRAHMS following the Darwin Core Formats. The specimen barcode was set as the catalogue number when possible or if a barcode was not available a unique code from the BRAHMS Serengeti database was used. Each herbarium specimen duplicate is listed separately in the checklist. If the record was a literature citation only the institution code was set as “?” as it was unknown at which herbaria the specimen is located. Only commonly used synonyms were compiled and cited in the nomenclature section, full synonymy is available at the World Checklist of Selected Plant Families (Clayton et al. 2014). Places of publication for each species name are available in the checklist in the supplementary file.

Checklist of Serengeti Ecosystem Grasses

Agrostis kilimandscharica Mez

Materials

a. scientificName: Agrostis kilimandscharica Mez; kingdom: Plantae; family: Poaceae; genus: Agrostis; specificEpithet: kilimandscharica; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of north-west rim; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: K000984276; recordNumber: 165; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Agrostis kilimandscharica Mez; kingdom: Plantae; family: Poaceae; genus: Agrostis; specificEpithet: kilimandscharica; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: east of Oldean Mountain; minimumElevationInMeters: 2347; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984277; recordNumber: 2757; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Central Africa
Agrostis producta Pilg.

Materials

a. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1959-12-27; catalogNumber: 853; recordNumber: 14; recordedBy: Vesey-FitzGerald, LDEF; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

b. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K001087079; recordNumber: P3; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K001087080; recordNumber: 1014; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Alloteropsis cimicina (L.) Stapf

Material

a. scientificName: *Alloteropsis cimicina* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Alloteropsis*; specificEpithet: *cimicina*; scientificNameAuthorship: (L.) Stapf.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55-3; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087080; recordNumber: 10197; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Asia

Andropogon amethystinus Steud.

Nomenclature:

*Andropogon pratensis* Hochst. ex Hack.

Materials

a. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.;
continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater;verbatim locality: top of South rim.; minimum elevation in meters: 2900; decimal latitude: -2.933333; decimal longitude: 35.816667; event date: 1973-02-28; catalog number: K000984025; record number: P2; recorded by: Frame, GW; institution code: K; collection code: Herbarium; owner institution code: K; basis of record: Preserved Specimen

b. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: top of South rim.; minimum elevation in meters: 2900; decimal latitude: -2.933333; decimal longitude: 35.816667; event date: 1973-02-28; catalog number: 803; record number: P2; recorded by: Frame, GW; institution code: EA; collection code: Herbarium; owner institution code: EA; basis of record: Preserved Specimen

c. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatim locality: On the top ridge of the Ngorongoro crater; decimal latitude: -3.166667; decimal longitude: 35.583333; event date: 1938-06-24; catalog number: K001087082; record number: 976; recorded by: Pole Evans, IB; Erens, J; institution code: K; collection code: Herbarium; owner institution code: K; basis of record: Preserved Specimen

d. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: Empakaai crater, plateau between Jaeger summit and west rim of crater.; minimum elevation in meters: 3000; decimal latitude: -2.933333; decimal longitude: 35.816667; event date: 1973-03-15; catalog number: K001087083; record number: 96; recorded by: Frame, GW; institution code: K; collection code: Herbarium; owner institution code: K; basis of record: Preserved Specimen

e. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: Empakaai crater, plateau between Jaeger summit and west rim of crater.; minimum elevation in meters: 3000; decimal latitude: -2.933333; decimal longitude: 35.816667; event date: 1973-03-15; catalog number: 989; record number: 96; recorded by: Frame, GW; institution code: EA; collection code: Herbarium; owner institution code: EA; basis of record: Preserved Specimen

f. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: West of Arusha. Empakaai crater; minimum elevation in meters: 2900; decimal latitude: -2.933333; decimal longitude: 35.816667; event date: 1973-08-31; catalog number: 990; record number: 1959; recorded by: Terry, PJ; institution code: EA; collection code: Herbarium; owner institution code: EA; basis of record: Preserved Specimen

g. scientific name: Andropogon amethystinus Steud.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specific epithet: amethystinus; scientific name authorship: Steud.; continental: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: Empakaai crater, top of south rim.;
Distribution: Tropical Africa, Yemen, India & Myanmar

**Andropogon chrysostachyus** Steud.

**Material**

a. scientificName: *Andropogon chrysostachyus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *chrysostachyus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: K000984024; recordNumber: 1959; recordedBy: Terry, PJ; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
Distribution: Tanzania, Kenya & Ethiopia

Andropogon distachyos L.

Materials

a. scientificName: Andropogon distachyos L.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: distachyos; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater;verbatimLocality: Ngorongoro Crater road, south side; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984035; recordNumber: 11842; recordedBy: Greenway, PJ; Kanuri;institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Andropogon distachyos L.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: distachyos; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater;verbatimLocality: Olairadad Southern Part of Ngorongoro Crater Wall.; minimumElevationInMeters: 2012; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-02-02; catalogNumber: K000984036; recordNumber: 5977; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Andropogon distachyos L.; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: distachyos; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja;verbatimLocality: Central Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K000984028;

Distribution: Europe, Arabia & Africa

Andropogon greenwayi Napper

Materials

Other materials:

a. scientificName: Andropogon greenwayi Napper; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: greenwayi; scientificNameAuthorship: Napper;continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill;verbatimLocality: S.S.W. of Naabi Hill to Lake Largaja, Serengeti; minimumElevationInMeters: 1478; decimalLatitude: -2.883333; decimalLongitude: -3.583333; eventDate: 1961-05-07; catalogNumber: K000984026; recordNumber: 10148; recordedBy: Greenway, PJ; Talbots, L; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Andropogon greenwayi Napper; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: greenwayi; scientificNameAuthorship: Napper;continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: LakeLAGARJA;decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1957-06-13; catalogNumber: K000984027; recordNumber: 207; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Andropogon greenwayi Napper; kingdom: Plantae; family: Poaceae; genus: Andropogon; specificEpithet: greenwayi; scientificNameAuthorship: Napper;continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Central Serengeti;decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K000984028;
d. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.16667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000984029; recordNumber: 312; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Serengeti; verbatimLocality: Milanja Ngorongoro highland; decimalLatitude: -3.16667; decimalLongitude: 35.45; eventDate: 1956-05-24; catalogNumber: K000984030; recordNumber: 173; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi Entrance, Mile 36.; minimumElevationInMeters: 1676; decimalLatitude: -2.81667; decimalLongitude: 35.2; eventDate: 1961-05-07; catalogNumber: K000984031; recordNumber: 10330; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

g. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio; minimumElevationInMeters: 1700; decimalLatitude: -3.31667; decimalLongitude: 35.033333; eventDate: 1989-05-28; catalogNumber: K000984032; recordNumber: 2784; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.S.W. of Naabi Hill to Lake Largaja, Serengeti; minimumElevationInMeters: 1478; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-07; catalogNumber: 292; recordNumber: 10148; recordedBy: Greenway, PJ; Talbots, L; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

i. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: East Simiyu; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-10; catalogNumber: 293; recordNumber: 326; recordedBy: Kreulen, AR; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

j. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333;
k. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Largaja plain.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-05-16; catalogNumber: 295; recordNumber: 4692; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

l. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 539; recordNumber: 24307; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

m. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi Entrance, Mile 36.; minimumElevationInMeters: 1676; decimalLatitude: -2.816667; decimalLongitude: 35.2; eventDate: 1961-05-26; catalogNumber: 771; recordNumber: 10330; recordedBy: Greenway, RJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

n. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: 773; recordNumber: 312; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

o. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Milanja Ngorongoro highland; verbatimLocality: Milanja Ngorongoro highland; decimalLatitude: -3; decimalLongitude: 35.166667; eventDate: 1956-05-24; catalogNumber: 774; recordNumber: 173; recordedBy: Robson, TO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

p. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Largaja; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1957-06-13; catalogNumber: 775; recordNumber: 207; recordedBy: Robson, TO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
q. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Oliu. Between Malanja and Olbalbal scarp.; minimumElevationInMeters: 1829; eventDate: 1962-06-30; catalogNumber: 784; recordNumber: 6108; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

r. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: South of Naabi gate.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1981-05-29; catalogNumber: 793; recordNumber: 259; recordedBy: Belsky, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Isotypes:

a. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and southwestern area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: K000280542; recordNumber: 10165; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and southwestern area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: PRE0664079-0; recordNumber: 10165; recordedBy: Greenway, PJ; Turner, M; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

Holotype:

a. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and southwestern area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: EA000000509; recordNumber:
Distribution: Tanzania, Kenya, Ethiopia, Somalia & Yemen

**Andropogon lima** (Hack.) Stapf

**Materials**

- a. scientificName: *Andropogon lima* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *lima*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt.; minimumElevationInMeters: 3200; decimalLatitude: -3.266667; decimalLongitude: 35.433333; catalogNumber: K000984033; recordNumber: 89004T; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Andropogon lima* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *lima*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemagarut Mt.; minimumElevationInMeters: 2987; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1988-10-24; catalogNumber: K000984034; recordNumber: 2674; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Andropogon schirensis** Hochst.

**Materials**

- a. scientificName: *Andropogon schirensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *schirensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-21; catalogNumber: K000984037; recordNumber: 10768; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Andropogon schirensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *schirensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Wogakuria Hill; minimumElevationInMeters: 1707; decimalLatitude: -1.65; decimalLongitude: 35; eventDate: 1964-01-30; catalogNumber: K000984038; recordNumber: 12006; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical & Southern Africa
**Apochiton burttii** C.E.Hubb

**Materials**

a. **scientificName**: *Apochiton burttii* C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Apochiton*; **specificEpithet**: *burttii*; **scientificNameAuthorship**: C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Olduvai; **verbatimLocality**: Serengeti plains; **minimumElevationInMeters**: 1200; **decimalLatitude**: -2.966667; **decimalLongitude**: 35.366667; **eventDate**: 1972-04-03; **catalogNumber**: DB1076; **recordNumber**: 7266; **recordedBy**: Vesey-FitzGerald, LDEF; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

b. **scientificName**: *Apochiton burttii* C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Apochiton*; **specificEpithet**: *burttii*; **scientificNameAuthorship**: C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Olduvai; **verbatimLocality**: Olduvai watercourse.; **decimalLatitude**: -2.966667; **decimalLongitude**: 35.366667; **eventDate**: 1965-01-05; **catalogNumber**: DB1077; **recordNumber**: 4487; **recordedBy**: Vesey-FitzGerald, LDEF; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

c. **scientificName**: *Apochiton burttii* C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Apochiton*; **specificEpithet**: *burttii*; **scientificNameAuthorship**: C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Ololgumi; **verbatimLocality**: Ngorongoro Conservation Area, Ololgumi, along Kakesio river, a seasonal river.; **minimumElevationInMeters**: 1600; **decimalLatitude**: -3.333; **decimalLongitude**: 35.033; **eventDate**: 1993-06-15; **catalogNumber**: 540; **recordNumber**: 657; **recordedBy**: Ellemann, L; **institutionCode**: AAU; **collectionCode**: Herbarium; **ownerInstitutionCode**: AAU; **basisOfRecord**: PreservedSpecimen

**Distribution**: Tanzania endemic

**Aristida sp.**

**Material**

a. **scientificName**: *Aristida*; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Aristida*; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Mbuzi Mare camp; **verbatimLocality**: Serengeti National Park, near Mbuzi Mare camp.; **minimumElevationInMeters**: 1552; **decimalLatitude**: -2.23332; **decimalLongitude**: 34.96467; **eventDate**: 2012-06-17; **catalogNumber**: 544; **recordNumber**: 24279; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; **basisOfRecord**: PreservedSpecimen

**Aristida adoensis** Hochst.

**Materials**

a. **scientificName**: *Aristida adoensis* Hochst.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Aristida*; **specificEpithet**: *adoensis*; **scientificNameAuthorship**: Hochst.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Endulen; **verbatimLocality**: Ngorongoro pasture research scheme. Olgoum nr. Endulen.;
decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1962-12-24; catalogNumber: 5; recordNumber: 6449; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Ngorongoro, Longo - Olbalbal.; minimumElevationInMeters: 1417; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1962-01-30; catalogNumber: 6; recordNumber: 5925; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
c. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-01-24; catalogNumber: 7; recordNumber: R56; recordedBy: Ludanga, RI; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
d. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-11; catalogNumber: 312; recordNumber: 363; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
e. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Granite Kopje; verbatimLocality: Granite Kopje 6 Miles North of Naabi, Serengeti.; minimumElevationInMeters: 1676; decimalLatitude: -2.783333; decimalLongitude: 35.333333; eventDate: 1905-05-16; catalogNumber: 313; recordNumber: 6561; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
f. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; minimumElevationInMeters: 1600; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-18; catalogNumber: 314; recordNumber: 5599; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
g. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. side of Lake Magadi; minimumElevationInMeters: 1410; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: DB1081; recordNumber: 10050; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
h. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa;
country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: DB1083; recordNumber: 10183; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

i. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serongeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; catalogNumber: DB1084; recordNumber: 601A; recordedBy: Herlocker, D; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

j. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serongeti; verbatimLocality: South of Seronera, Serengeti plains; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-14; catalogNumber: DB1085; recordNumber: 109; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

k. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngongoro; locality: Ngongoro; decimalLatitude: -3.25; decimalLongitude: 35.533333; eventDate: 1959-12-27; catalogNumber: DB1087; recordNumber: 12; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

l. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: 5 km north of lobo lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB1089; recordNumber: 285; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

m. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N. of Lake Magadi, 10-15m. South of Seronera. Serengeti; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1958-04-24; catalogNumber: K000805344; recordNumber: 368; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

n. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000805338; recordNumber: 10183; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

o. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude:
scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Shinyanga*; locality: Granite Kopje; verbatimLocality: Granite Kopje 6 Miles North of Naabi, Serengeti.; minimumElevationInMeters: 1676; decimalLatitude: -2.783333; decimalLongitude: 35.333333; eventDate: 1963-2; catalogNumber: 534; recordNumber: 6561; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805339; recordNumber: 9902; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: 536; recordNumber: 9902; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: Serengeti; locality: Banagi; verbatimLocality: Serengeti plain near Banagi; minimumElevationInMeters: 1597; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000805337; recordNumber: 5599; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: Serengeti; locality: Banagi; verbatimLocality: Serengeti plain near Banagi; minimumElevationInMeters: 1597; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: 538; recordNumber: 5599; recordedBy: Leippert, H; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida adoensis* Hochst.; kingdom: *Plantae*; family: *Poaceae*; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: DB1082; recordNumber: 9902; recordedBy: Greenway, PJ;
distribution: Eastern Africa

Aristida adscensionis L.

Materials

a. scientificName: Aristida adscensionis L.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: adscensionis; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; minimumElevationInMeters: 1450; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1987-05-01; catalogNumber: K000710861; recordNumber: 2613; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Aristida adscensionis L.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: adscensionis; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1722; decimalLatitude: -2.916667; decimalLongitude:
Aristida barbicollis Trin. & Rupr.

Materials

a. scientificName: Aristida barbicollis Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: barbicollis; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 541; recordNumber: s.n.; recordedBy: Greenway, PJ; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

b. scientificName: Aristida barbicollis Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: barbicollis; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.8; eventDate: 1961-05-17; catalogNumber: DB1091; recordNumber: 10303; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
c. scientificName: Aristida barbicollis Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: barbicollis; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: K000805098; recordNumber: 10303; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread
Aristida hordeacea Kunth

Materials

a. scientificName: **Aristida hordeacea** Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1958-05-09; catalogNumber: DB1116; recordNumber: 1077; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: **Aristida hordeacea** Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Mihale game transect (MGT 401); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-15; catalogNumber: DB1117; recordNumber: 1077; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: **Aristida hordeacea** Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: E. of Pandayega.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000805174; recordNumber: 443; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: **Aristida hordeacea** Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: E. of Pandayega.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: 526; recordNumber: 443; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

e. scientificName: **Aristida hordeacea** Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the South Western side of Nyamuma Range and of Nyamuma Guard post on Mbalageti river. Seronera to Kirawira guard post, mile 68.8. Grumeti River.

Distribution: Eastern & Southern Africa
Distribution: Tropical & Southern Africa

*Aristida kenyensis* Henrard

**Materials**

a. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: E. Serengeti.; decimalLatitude: -1.5; decimalLongitude: 35.416667; eventDate: 1962-07-20; catalogNumber: 2; recordNumber: 6026; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal depression, on the North slopes of Olmoti where they run down to the Salei Desert.; minimumElevationInMeters: 1463; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1962-07-20; catalogNumber: 2; recordNumber: 6026; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

c. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musoma; verbatimLocality: Eastern boundary.; decimalLatitude: -1.5; decimalLongitude: 34.683333; eventDate: 1961-05-25; catalogNumber: DB1096; recordNumber: 10327; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
d. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Serengeti plains, simba Kopjes North; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-20; catalogNumber: DB1097; recordNumber: 186; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: DB1098; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Sotitayi, Mile 7.8; minimumElevationInMeters: 1590; decimalLatitude: -2.433333; decimalLongitude: 34.833333; eventDate: 1961-03-27; catalogNumber: DB1099; recordNumber: 9091; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndutu Lodge; verbatimLocality: Near road 50 m from Ndutu lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1103; recordNumber: 68; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

h. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Rim of Olduvai Gorge, inside Leakey compound; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1981-04-20; catalogNumber: DB1104; recordNumber: 120; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

i. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: East Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-20; catalogNumber: K000805407; recordNumber: 193; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

j. scientificName: *Aristida kenyensis* Hennard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Hennard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Longogo- Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-01-30; catalogNumber: 511;
scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-13; catalogNumber: K000805403; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-13; catalogNumber: 513; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: K000805397; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: 515; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera. ; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: K000805389; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera. ; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: 517; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera. ; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: 517; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera. ; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: 517; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 524; catalogNumber: K000805402; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; country: Tanzania; stateProvince: Mara; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 7.8.; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805402; recordNumber: 9901; recordBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 9901; catalogNumber: K000805405; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

recordedBy: Greenway, PJ; institutionCode: US; country: Tanzania; stateProvince: Mara; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 7.8.; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805402; recordNumber: 9901; recordBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: KA; recordNumber: 354; catalogNumber: K000805390; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 9901; catalogNumber: K000805390; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 521; catalogNumber: K000805405; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

recordedBy: Greenway, PJ; institutionCode: US; country: Tanzania; stateProvince: Mara; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 7.8.; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805402; recordNumber: 9901; recordBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 9901; catalogNumber: K000805390; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; country: Tanzania; stateProvince: Mara; collectionCode: EA; recordNumber: 521; catalogNumber: K000805405; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; recordBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
CollectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

x. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 543; recordNumber: 24316; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

y. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera.; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: DB1094; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

z. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: DB1095; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

aa. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musoma; verbatimLocality: Eastern boundary; decimalLatitude: -1.5; decimalLongitude: 34.683333; eventDate: 1961-05-25; catalogNumber: 804; recordNumber: 10327; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

ab. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: 805; recordNumber: 326; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

ac. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7.8; minimumElevationInMeters: 1590; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: 806; recordNumber: 9091; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
Aristida kenyensis Henrard; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: kenyensis; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: East Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -7.2; decimalLongitude: 35.266667; eventDate: 1962-07-20; catalogNumber: 807; recordNumber: 193; recordedBy: Oteke, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Eastern Africa

Aristida mutabilis Trin. & Rupr.

Materials

a. scientificName: Aristida mutabilis Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: mutabilis; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: Footsteps of Ol Doinyo Lengai; minimumElevationInMeters: 945; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-11; catalogNumber: K000805171; recordNumber: 11349; recordedBy: Greenway, PJ; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Aristida mutabilis Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: Aristida; specificEpithet: mutabilis; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: Footsteps of Ol Doinyo Lengai; minimumElevationInMeters: 945; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-11; catalogNumber: 855; recordNumber: 11349; recordedBy: Greenway, PJ; Hunter; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Asia

Bothriochloa bladhii (Retz.) S.T.Blake

Nomenclature:

Bothriochloa bladhii (Retz.) S.T.Blake var. bladhii

Materials

a. scientificName: Bothriochloa bladhii (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: bladhii; scientificNameAuthorship: (Retz.) S.T.Blake; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeli; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: K000984062; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Bothriochloa bladhii (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: bladhii; scientificNameAuthorship: (Retz.) S.T.Blake;
Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus

Materials

a. scientificName: Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: insculpta; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: DB1140; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri; Braun, H; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: insculpta; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: near Rest Camp; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: K000984057; recordNumber: 355; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Bothriochloa bladhii (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: bladhii; scientificNameAuthorship: (Retz.) S.T.Blake; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: DB1141; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri; Braun, H; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: insculpta; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1143;

Distribution: Widespread

Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus

Materials

a. scientificName: Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: insculpta; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: near Rest Camp; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: K000984057; recordNumber: 355; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: insculpta; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: near Rest Camp; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: K000984057; recordNumber: 355; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Bothriochloa bladhii (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: bladhii; scientificNameAuthorship: (Retz.) S.T.Blake; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1143;
Distribution: Tropical Africa, Southern Africa, Arabia & Asia
Bothriochloa pertusa (L.) A.Camus

Materials

a. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes(North) Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-04-10; catalogNumber: DB1150; recordNumber: 273; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: South of Seronera, Serengeti plain; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-14; catalogNumber: DB1151; recordNumber: 102; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bologonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-12; catalogNumber: DB1152; recordNumber: 439; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Asia & Pacific, not previously recorded for East Africa

Bothriochloa radicans (Lehm.) A.Camus

Materials

a. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984061; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984061; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes Serengeti Plain;
decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11;
catalogNumber: DB1155; recordNumber: 39; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: DB1156; recordNumber: 2; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Njabaka; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1961-06-14; catalogNumber: 810; recordNumber: 10378; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

f. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: 811; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

g. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB1153; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

h. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: 813; recordNumber: 2; recordedBy: Belsky, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

i. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Njabaka; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1961-06-14; catalogNumber: DB115; recordNumber: 10378; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
j. scientificName: Bothriochloa radicans (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: Bothriochloa; specificEpithet: radicans; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera plain; verbatimLocality: Serengeti National Park, T1; minimumElevationInMeters: 1524; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1972-01-14; catalogNumber: 993; recordNumber: CAWM5549; recordedBy: Mbano, BNN; William; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Southern Africa, Arabia,

Brachiaria sp.

Materials

a. scientificName: Brachiaria; kingdom: Plantae; family: Poaceae; genus: Brachiaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 550; recordNumber: 1100; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Brachiaria; kingdom: Plantae; family: Poaceae; genus: Brachiaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 551; recordNumber: 1101; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Brachiaria ambigens Chiov.

Materials

a. scientificName: Brachiaria ambigens Chiov.; kingdom: Plantae; family: Poaceae; genus: Brachiaria; specificEpithet: ambigens; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-10; catalogNumber: K000984127; recordNumber: 6361; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Brachiaria ambigens Chiov.; kingdom: Plantae; family: Poaceae; genus: Brachiaria; specificEpithet: ambigens; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-10; catalogNumber: 772; recordNumber: 6361; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tanzania, Kenya & Ethiopia
**Brachiaria arrecta** (T.Durand & Schinz) Stent

**Materials**

a. scientificName: *Brachiaria arrecta* (T.Durand & Schinz) Stent; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *arrecta*; scientificNameAuthorship: (T.Durand & Schinz) Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 548; recordNumber: 24275; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

**Brachiaria bovonei** (Chiov.) Robyns

**Material**

a. scientificName: *Brachiaria bovonei* (Chiov.) Robyns; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *bovonei*; scientificNameAuthorship: (Chiov.) Robyns; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora Air Strip; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1962-12-29; catalogNumber: K000984131; recordNumber: 10915; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

**Brachiaria brizantha** (A.Rich.) Stapf

**Materials**

a. scientificName: *Brachiaria brizantha* (A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *brizantha*; scientificNameAuthorship: (A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: K000984128; recordNumber: 10749; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria brizantha* (A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *brizantha*; scientificNameAuthorship: (A.Rich.) Stapf;
continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Bolgonja river*; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: DB1169; recordNumber: 10749; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Bolgonja*; verbatimLocality: *Bolgonja*; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-21; catalogNumber: DB1170; recordNumber: 690; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical & Southern Africa, introduced elsewhere in the tropics

**Brachiaria dictyoneura** (Fig. & De Not.) Stapf

Nomenclature:

*Urochloa dictyoneura* (Fig. & De Not.) Veldkamp

Materials

a. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Lobo Lodge*; verbatimLocality: 5km north of Lobo Lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB1185; recordNumber: 281; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Serengeti National Park*; verbatimLocality: Eastern boundary of the Park; minimumElevationInMeters: 1650; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-05-25; catalogNumber: DB1186; recordNumber: 10669; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Mbuzi Mare camp*; verbatimLocality: *Serengeti National Park*, near
**Brachiaria eruciformis** (Sm.) Griseb.

**Materials**

a. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Bolgonja river, Mile 30; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-27; catalogNumber: K000984124; recordNumber: 10334; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa, introduced elsewhere
**Brachiaria eruciformis** (Sm.) Griseb.;

**Distribution:** Widespread in Europe, Arabia, Africa & Asia

**Brachiaria leersioides** (Hochst.) Stapf

**Materials**

a. **Brachiaria leersioides** (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *leersioides*; scientificNameAuthorship: (Hochst.) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Mara*; county: *Serengeti*; locality: *Serengeti Research Institute*; verbatimLocality: *Serengeti Research Institute*; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1178; recordNumber: 212; recordedBy: *Schmidt, W*; institutionCode: *SWRC*; collectionCode: *Herbarium*; ownerInstitutionCode: *SWRC*; basisOfRecord: PreservedSpecimen
b. scientificName: *Brachiaria leersioides* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *leersioides*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; verbatimLocality: Engaruka basin; minimumElevationInMeters: 870; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1970-02-20; catalogNumber: DB1201; recordNumber: 6577; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Eastern Africa & Arabia

**Brachiaria rugulosa** Stapf

Materials

a. scientificName: *Brachiaria rugulosa* Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *rugulosa*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simiyu; verbatimLocality: East Simiyu; decimalLatitude: -2.916667; decimalLongitude: 34.8; eventDate: 1974-05-10; catalogNumber: DB1194; recordNumber: 325; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria rugulosa* Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *rugulosa*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; county: Naabi Hill; verbatimLocality: Between Moru Kopjes and Naabi Hill Tracks, Central Plains, Serengeti; minimumElevationInMeters: 1425; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-05-18; catalogNumber: DB1195; recordNumber: 10645; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tanzania, Kenya, Zambia & Zimbabwe

**Brachiaria scalaris** (Mez.) Pilg.

Material

a. scientificName: *Brachiaria scalaris* (Mez.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *scalaris*; scientificNameAuthorship: (Mez.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olairadad, South side of Ngorongoro crater Rim; decimalLatitude: -3; decimalLongitude: 35.833333; eventDate: 1962-02-02; catalogNumber: 827; recordNumber: 5952; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia
**Brachiaria semiundulata** (Hochst. ex A.Rich.) Stapf

**Materials**

a. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; minimumElevationInMeters: 1570; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: K000984122; recordNumber: 13179; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: north east of Oldean Mtn.; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984123; recordNumber: 2753; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National park, Naabi gate; decimalLatitude: -2.333333; decimalLongitude: 34.833333; catalogNumber: DB1206; recordNumber: 6591; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
d. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopies Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB1208; recordNumber: 15; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
e. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Downeys Dam; verbatimLocality: 1500 m South of Downeys Dam, west of road to Nzaki.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1968-02-23; catalogNumber: DB1209; recordNumber: 249; recordedBy: Braun, HMH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: South of Seronera Serengeti Plain; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-13; catalogNumber: DB1210; recordNumber: 87; recordedBy:
**Brachiaria semiundulata** (Hochst. ex A.Rich.) Stapf

**Materials**

- scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Brachiaria; specificEpithet: semiundulata; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; decimalLatitude: -3; decimalLongitude: 35.833333; eventDate: 1961-04-30; catalogNumber: 828; recordNumber: 5856; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Asia
checklist of Serengeti Ecosystem Grasses

institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria serrifolia* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *serrifolia*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olongogo; verbatimLocality: Olongogo; minimumElevationInMeters: 1371; decimalLatitude: -3; decimalLongitude: 35.333333; eventDate: 1962-12-14; catalogNumber: 820; recordNumber: 6380; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

*Brachiaria subulifolia* (Mez) Clayton

Material

a. scientificName: *Brachiaria subulifolia* (Mez) Clayton; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *subulifolia*; scientificNameAuthorship: (Mez) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-18; catalogNumber: DB1219; recordNumber: 578; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Southern Africa

*Brachiaria xantholeuca* (Hack.) Stapf

Materials

a. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *xantholeuca*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI tennis court; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1221; recordNumber: 186; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: 2.5 km south of Downey's dam near Seronera.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.816667; eventDate: 1968-02-23; catalogNumber: DB1222; recordNumber: 250; recordedBy: Braun, HMM; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: 2.5 km south of Downey's dam near Seronera.
minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.816667; eventDate: 1968-02-23; catalogNumber: 350; recordNumber: 250; recordedBy: Braun, HMH; institutionCode: WAG; collectionCode: Herbarium; ownerInstitutionCode: WAG; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

*Brachypodium flexum* Nees

**Material**

a. scientificName: *Brachypodium flexum* Nees; kingdom: Plantae; family: Poaceae; genus: *Brachypodium*; specificEpithet: *flexum*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, outer southern slope.; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-01-24; catalogNumber: DB1241; recordNumber: 504; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

*Bromus leptoclados* Nees

**Materials**

a. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro forest; verbatimLocality: Ngorongoro Conservation Area, Oloronyo Forest.; minimumElevationInMeters: 2650; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 552; recordNumber: 768; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: S.E. slope of crater.; minimumElevationInMeters: 1829; maximumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087088; recordNumber: 3363; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Munge gorge; minimumElevationInMeters: 2530; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1932-09-16; catalogNumber: K001087084; recordNumber: 4362; recordedBy: Burtt, BD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: rim; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K001087085; recordNumber: 9131; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: rim; minimumElevationInMeters: 1371; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1933-07-08; catalogNumber: K001087086; recordNumber: 283; recordedBy: Staples, RR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area, Empakai, top of south rim elevation.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-27; catalogNumber: K001087087; recordNumber: P58; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

*Calamagrostis epigejos* (L.) Roth

**Materials**

a. scientificName: *Calamagrostis epigejos* (L.) Roth; kingdom: Plantae; family: Poaceae; genus: *Calamagrostis*; specificEpithet: *epigejos*; scientificNameAuthorship: (L.) Roth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater top of North - west rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: DB1258; recordNumber: 167; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Calamagrostis epigejos* (L.) Roth; kingdom: Plantae; family: Poaceae; genus: *Calamagrostis*; specificEpithet: *epigejos*; scientificNameAuthorship: (L.) Roth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater top of North - west rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: 353; recordNumber: 167; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread
Cenchrus abyssinicus (Hack.) Morrone

Nomenclature:
Odontelytrum abyssinicum Hack.

Materials
a. scientificName: Odontelytrum abyssinicum Hack.; kingdom: Plantae; family: Poaceae; genus: Odontelytrum; specificEpithet: abyssinicum; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-07; catalogNumber: 936; recordNumber: 118; recordedBy: Goddard, J; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

b. scientificName: Odontelytrum abyssinicum Hack.; kingdom: Plantae; family: Poaceae; genus: Odontelytrum; specificEpithet: abyssinicum; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olgoro Njuki, Ngorongoro crater floor.; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: K001087115; recordNumber: 12617; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Odontelytrum abyssinicum Hack.; kingdom: Plantae; family: Poaceae; genus: Odontelytrum; specificEpithet: abyssinicum; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olgoro Njuki, Ngorongoro crater floor.; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: K001087116; recordNumber: 12617; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Eastern Africa & Arabia

Cenchrus ciliaris L.

Materials
a. scientificName: Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: Cenchrus; specificEpithet: ciliaris; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Near Banagi.; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1971-01-08; catalogNumber: 300; recordNumber: 2143B; recordedBy: Brown, ES; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: Cenchrus; specificEpithet: ciliaris; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Near S.R.I; minimumElevationInMeters: 1600; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1973-10-18; catalogNumber: 302;
c. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLatitude: -2.333333; verbatimLongitude: 34.833333; eventDate: 1958-04-28; catalogNumber: 303; recordNumber: 398; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

d. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -2.333333; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: 304; recordNumber: 4464; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

e. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Serengeti Research Institute Compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: DB1263; recordNumber: 1; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduavai; verbatimLocality: Inside Leakey compound, Olduvai Gorge; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1981-04-16; catalogNumber: DB1264; recordNumber: 116; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ntudu Lodge; verbatimLocality: Near road 50 m from Ntudu lodge.; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1265; recordNumber: 69; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

h. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute Compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1266; recordNumber: 165; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

i. **scientificName**: *Cenchrus ciliaris* L.; kingdom: Plantaee; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: DB1269; recordNumber: 4464; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
i. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1, Serengeti National Park.; minimumElevationInMeters: 1530; decimalLongitude: -2.45; decimalLatitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB1270; recordNumber: 9855; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

k. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1, Serengeti National Park Simba Kopje.; minimumElevationInMeters: 1700; decimalLongitude: -2.7; decimalLatitude: 34.916667; eventDate: 1970-12-08; catalogNumber: DB1272; recordNumber: 5454; recordedBy: Harris, BJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

l. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: T1 Serengeti national Park Simba Kopje; minimumElevationInMeters: 1700; decimalLongitude: -2.7; decimalLatitude: 34.916667; eventDate: 1970-12-08; catalogNumber: DB1272; recordNumber: 5454; recordedBy: Harris, BJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

m. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Gol Kopjes; verbatimLocality: Gol Kopjes.; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1972-03-30; catalogNumber: DB1273; recordNumber: 250; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

n. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bologonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35; eventDate: 1972-04-12; catalogNumber: DB1274; recordNumber: 416; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

o. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1, Serengeti National Park.; minimumElevationInMeters: 1466; decimalLatitude: -2.36; decimalLongitude: 34.5; eventDate: 2004-03-06; catalogNumber: 553; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

p. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.233332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 554; recordNumber: 24281; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;
collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

q. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti.; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: 761; recordNumber: 9856; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

r. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera to Banagi, Mile 3.8.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000748227; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

s. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti.; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000748224; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

t. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera to Banagi, Mile 3.8.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: 818; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

u. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Mt; verbatimLocality: Embagai Mt; West Arusha; minimumElevationInMeters: 1981; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1932-02-06; catalogNumber: K000748168; recordNumber: 344; recordedBy: Thompson, IH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

v. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro Conservation Area; Olduvai, shifting sands 5-6km NW of confluence of Main and side Gorges; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-27; catalogNumber: K000748194; recordNumber: 19306; recordedBy: Leakey, MD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

w. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1341; decimalLatitude: -2.333333; decimalLongitude:
Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: Cenchrus; scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal escarpment; minimumElevationInMeters: 1524; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1961-03-18; catalogNumber: 994; recordNumber: 5725; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal escarpment; minimumElevationInMeters: 1524; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1961-03-18; catalogNumber: 995; recordNumber: 5725; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1962-01-30; catalogNumber: 996; recordNumber: 5931; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1962-01-30; catalogNumber: 997; recordNumber: 5931; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1959-12-22; catalogNumber: 998; recordNumber: 12; recordedBy: Jacob, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Cenchrus ciliaris L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1554; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1966-02-16; catalogNumber: 999; recordNumber: 253; recordedBy: Goddard,
**Checklist of Serengeti Ecosystem Grasses**

**Distribution:** Widespread

**Chloris** sp.

**Materials**

- **a.** scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 573; recordNumber: 24262; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- **b.** scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 574; recordNumber: 24286; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- **c.** scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 575; recordNumber: 24296; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
**Chloris gayana Kunth**

**Materials**

a. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: K000984204; recordNumber: 24305; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.06667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984201; recordNumber: 34; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: the 3rd crossing from Seronera on the Banagi road.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000984202; recordNumber: 9969; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Old Boma; minimumElevationInMeters: 2134; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1971-11; catalogNumber: K000984204; recordNumber: 5650; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
CatalogNumber: 2000; verbatimLocality: Tanzania; scientificName: PreservedSpecimen SWRC; catalogNumber: Bolgonja; Tanzania; cEpithet: scientificName: SWRC; catalogNumber: Bolgonja; Tanzania; speci cEpithet: cName: PreservedSpecimen collectionCode: recordNumber: 6302; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000984205; recordNumber: 1964-12-15; Lake Lagarja.; Tanzania; speci cEpithet: cName: PreservedSpecimen collectionCode: recordNumber: 164; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1275; recordNumber: 1972-04-18; 1974-02-01; catalogNumber: DB1278; recordNumber: 130; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Ngorongoro; minimumElevationInMeters: 2100; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: DB1277; recordNumber: 4462; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: DB1277; recordNumber: 4462; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-19; catalogNumber: DB1281; recordNumber: 656; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-18; catalogNumber: DB1282; recordNumber: 575; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen scientificName: Chloris gayana Kunth; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: gayana; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, outer northern slope.; minimumElevationInMeters: 2000; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB1283; recordNumber: 531; recordedBy: Frame, GW; institutionCode:
m. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 557; recordNumber: 372; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

n. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 558; recordNumber: 376; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

o. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndayan 4 km North-west of Endulen.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 559; recordNumber: 703; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

p. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, ca. 12 km Northwest of Endulen Village; minimumElevationInMeters: 1700; decimalLatitude: -3.166; decimalLongitude: 35.2; eventDate: 1993-07-19; catalogNumber: 560; recordNumber: 714; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

q. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo forest; verbatimLocality: Ngorongoro Conservation Area, Oloronyo Forest.; minimumElevationInMeters: 2650; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 561; recordNumber: 766; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

r. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nasiporiong.; verbatimLocality: Ngorongoro Conservation Area, Nasiporiong.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 562; recordNumber: 819; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

s. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country:
Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Masek; verbatimLocality: Ngorongoro Conservation Area, Masek Southwest of Lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -3.033; decimalLongitude: 35.05; eventDate: 1993-09-21; catalogNumber: 563; recordNumber: 923; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

t. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 564; recordNumber: 942; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

u. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 565; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

v. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Central Plains; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1286; decimalLatitude: -2.27; decimalLongitude: 34.5; eventDate: 2004-03-09; catalogNumber: 566; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

w. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli road 3000m from the junction at the footprints site.; minimumElevationInMeters: 1646; decimalLatitude: -3.271389; decimalLongitude: 35.173889; eventDate: 2008-04-09; catalogNumber: 1117; recordNumber: 1186; recordedBy: Mollel, NP; Mboya, EL; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

x. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli road 3000m from the junction at the footprints site.; minimumElevationInMeters: 1646; decimalLatitude: -3.271389; decimalLongitude: 35.173889; eventDate: 2008-04-09; catalogNumber: 1118; recordNumber: 1186; recordedBy: Mollel, NP; Mboya, EL; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen

y. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country:
Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to TAWIRI research centre. 36 M, 0360699, 9732458 UTM.; minimumElevationInMeters: 1519; decimalLatitude: -3.25; decimalLongitude: 34.333333; eventDate: 2003-02-02; catalogNumber: 1119; recordNumber: 935; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Widespread, native to Tropical Africa

**Chloris pycnothrix** Trin.

**Materials**

a. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1992-02-16; catalogNumber: 1120; recordNumber: 1048; recordedBy: Paulo, S.; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Serengeti; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984197; recordNumber: 329; recordedBy: Paulo, S.; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti, Endarbar; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000984198; recordNumber: 440; recordedBy: Paulo, S.; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K000984199; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndutu Lodge; verbatimLocality: 5 km west of Ndutu Lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1287; recordNumber: 50; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI Tennis Court.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1289; recordNumber: 192; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 567; recordNumber: 366; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 568; recordNumber: 706; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Conservation Area. Ngorongoro.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 569; recordNumber: 814; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Serengeti; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 35.4; eventDate: 1993-09-10; catalogNumber: 570; recordNumber: 882; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: DB1284; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

scientificName: Chloris pycnothrix Trin.; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: pycnothrix; scientificNameAuthorship: Trin.; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: DB1288; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Chloris virgata Sw.

Materials

a. scientificName: Chloris virgata Sw.; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: virgata; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti Research Institute; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1296; recordNumber: 204; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: Chloris virgata Sw.; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: virgata; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndbaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-07; catalogNumber: 572; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
c. scientificName: Chloris virgata Sw.; kingdom: Plantae; family: Poaceae; genus: Chloris; specificEpithet: virgata; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: DB1297; recordNumber: 9863; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Widespread
**Chrysochloa orientalis** (C.E.Hubb) Swallen

**Materials**

a. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-14; catalogNumber: DB1300; recordNumber: 2004; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-14; catalogNumber: 380; recordNumber: 2004; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: DSM; collectionCode: Herbarium; ownerInstitutionCode: DSM; basisOfRecord: PreservedSpecimen
c. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1981-05-15; catalogNumber: DB1302; recordNumber: 219; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
d. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI Airfield; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1981-05-15; catalogNumber: 330; recordNumber: 4655; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
e. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti Plains; verbatimLocality: Grumeti plains.; minimumElevationInMeters: 1200; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-04-26; catalogNumber: DB1303; recordNumber: 4655; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
f. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera.;
decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1304; recordNumber: 216; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: Chrysochloa orientalis (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: Chrysochloa; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera.;
decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1306; recordNumber: 216; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

h. scientificName: Chrysochloa orientalis (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: Chrysochloa; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: South of Seronera.;
decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1306; recordNumber: 216; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

i. scientificName: Chrysochloa orientalis (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: Chrysochloa; specificEpithet: orientalis; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Endarbark; verbatimLocality: Serengeti area.;
minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087090; recordNumber: 9873; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tanzania, Kenya, Uganda & Democratic Republic of Congo

Chrysopogon plumulosus Hochst.

Nomenclature:

Chrysopogon aucheri (Boiss.) Stapf var. quinqueplumis (A.Rich) Stapf

Materials

a. scientificName: Chrysopogon plumulosus Hochst.; kingdom: Plantae; family: Poaceae; genus: Chrysopogon; specificEpithet: plumulosus; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Serengeti; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1968-3; catalogNumber: K000984066; recordNumber: EAH12695; recordedBy: Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Chrysopogon plumulosus Hochst.; kingdom: Plantae; family: Poaceae; genus: Chrysopogon; specificEpithet: plumulosus; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: East Serengeti; minimumElevationInMeters: 1722; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-11-26; catalogNumber: K001087095; recordNumber: 251; recordedBy: Oteke, J; institutionCode:
K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: Chrysopogon plumulosus Hochst.; kingdom: Plantae; family: Poaceae; genus: Chrysopogon; specificEpithet: plumulosus; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; verbatimLocality: Olgarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K001087096; recordNumber: 6396; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

Ctenium somalense (Chiov.) Chiov.

Nomenclature:

Ctenium concinnum Nees var. minus Pilg.

Material

a. scientificName: Ctenium concinnum Nees var. minus Pilg.; kingdom: Plantae; family: Poaceae; genus: Ctenium; specificEpithet: concinnum; infraspecificEpithet: minus; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1962-08-21; catalogNumber: K001087094; recordNumber: 10767; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Cymbopogon sp.

Material

a. scientificName: Cymbopogon; kingdom: Plantae; family: Poaceae; genus: Cymbopogon; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Serengeti National Park, along the road to Nabaka gate. 36M, 0668594, 9748618 UTM.; minimumElevationInMeters: 1305; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-02-01; catalogNumber: 1148; recordNumber: 917; recordedBy: Mollé, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
**Cymbopogon caesius** (Hook. & Arn.) Stapf

**Nomenclature:**

*Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy

**Materials**

a. **scientificName**: *Cymbopogon caesius* (Hook. & Arn.) Stapf; **kingdom**: Plantae; **family**: Poaceae; **genus**: Cymbopogon; **specificEpithet**: caesius; **scientificNameAuthorship**: (Hook. & Arn.) Stapf; **continent**: Africa; **country**: Tanzania; **stateProvince**: Shinyanga; **locality**: Lake Magadi; **verbatimLocality**: N.W. and W. of Lake Magadi; **minimumElevationInMeters**: 1432; **decimalLatitude**: -2.633333; **decimalLongitude**: 34.9; **eventDate**: 1961-04-13; **catalogNumber**: K000984046; **recordNumber**: 10046; **recordedBy**: Greenway, PJ; Tanner, M; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

b. **scientificName**: *Cymbopogon caesius* (Hook. & Arn.) Stapf; **kingdom**: Plantae; **family**: Poaceae; **genus**: Cymbopogon; **specificEpithet**: caesius; **scientificNameAuthorship**: (Hook. & Arn.) Stapf; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Engitati Hill; **verbatimLocality**: W. side of Ngorongoro Crater floor; **minimumElevationInMeters**: 1707; **decimalLatitude**: -3.133333; **decimalLongitude**: 35.55; **eventDate**: 1966-07-24; **catalogNumber**: K000984047; **recordNumber**: 12607; **recordedBy**: Greenway, PJ; Tanner, M; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

c. **scientificName**: *Cymbopogon caesius* (Hook. & Arn.) Stapf; **kingdom**: Plantae; **family**: Poaceae; **genus**: Cymbopogon; **specificEpithet**: caesius; **scientificNameAuthorship**: (Hook. & Arn.) Stapf; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Seronera; **verbatimLocality**: W. of Seronera, Serengeti; **minimumElevationInMeters**: 1463; **decimalLatitude**: -2.45; **decimalLongitude**: 34.833333; **eventDate**: 1961-05-15; **catalogNumber**: K000984049; **recordNumber**: 10186; **recordedBy**: Greenway, PJ; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

d. **scientificName**: *Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy; **kingdom**: Plantae; **family**: Poaceae; **genus**: Cymbopogon; **specificEpithet**: excavatus; **scientificNameAuthorship**: (Hochst.) Stapf ex Burtt Davy; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Tabora; **verbatimLocality**: mile 46.6 from Bologonja river via Kleins Camp; **minimumElevationInMeters**: 1615; **decimalLatitude**: -1.816667; **decimalLongitude**: 34.633333; **eventDate**: 1961-04-30; **catalogNumber**: K000984048; **recordNumber**: 10129; **recordedBy**: Greenway, PJ; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

e. **scientificName**: *Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy; **kingdom**: Plantae; **family**: Poaceae; **genus**: Cymbopogon; **specificEpithet**: excavatus; **scientificNameAuthorship**: (Hochst.) Stapf ex Burtt Davy; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Ikoma; **minimumElevationInMeters**: 1371; **decimalLatitude**: -2.066667; **decimalLongitude**: 34.616667; **eventDate**: 1954-02-19; **catalogNumber**: K000984050; **recordNumber**: 39; **recordedBy**: Brooks, GP; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

**Distribution**: Tropical Africa & Asia
**Cymbopogon pospischilii** (K.Schum.) C.E.Hubb

**Materials**

a. **scientificName**: *Cymbopogon pospischilii* (K.Schum.) C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cymbopogon*; **specificEpithet**: pospischilii; **scientificNameAuthorship**: (K.Schum.) C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Shinyanga; **locality**: Simiyu river; **verbatimLocality**: S. boundary, Mile 10.2 west; **minimumElevationInMeters**: 1463; **decimalLatitude**: -2.916667; **decimalLongitude**: 34.8; **eventDate**: 1961-06-18; **catalogNumber**: K00984051; **recordNumber**: 10380; **recordedBy**: Greenway, PJ; Tanner, M; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

b. **scientificName**: *Cymbopogon pospischilii* (K.Schum.) C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cymbopogon*; **specificEpithet**: pospischilii; **scientificNameAuthorship**: (K.Schum.) C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Serengeti National Park; **verbatimLocality**: E. plains; **minimumElevationInMeters**: 1700; **decimalLatitude**: -2.333333; **decimalLongitude**: 34.833333; **eventDate**: 1973-02-07; **catalogNumber**: K00984052; **recordNumber**: 2; **recordedBy**: Herlocker, D; Hoeck, H; Kreulen, AR; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

d. **scientificName**: *Cymbopogon pospischilii* (K.Schum.) C.E.Hubb; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cymbopogon*; **specificEpithet**: pospischilii; **scientificNameAuthorship**: (K.Schum.) C.E.Hubb; **continent**: Africa; **country**: Tanzania; **stateProvince**: Shinyanga; **locality**: Naabi Hill Gate; **verbatimLocality**: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; **minimumElevationInMeters**: 1651; **decimalLatitude**: -2.73597; **decimalLongitude**: 34.95284; **eventDate**: 2012-06-16; **catalogNumber**: 583; **recordNumber**: 24268; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; **basisOfRecord**: PreservedSpecimen

**Distribution**: Tropical Africa & Asia

**Cynodon sp.**

**Materials**

a. **scientificName**: *Cynodon*; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cynodon*; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Endulen; **verbatimLocality**: Ngorongoro Conservation Area, ca. 12 km Northwest of Endulen Village; **minimumElevationInMeters**: 1700; **decimalLatitude**: -3.116; **decimalLongitude**: 35.2; **eventDate**: 1993-04-27; **catalogNumber**: 581; **recordNumber**: 452; **recordedBy**: Ellemann, L; **institutionCode**: AAU; **collectionCode**: Herbarium; **ownerInstitutionCode**: AAU; **basisOfRecord**: PreservedSpecimen

b. **scientificName**: *Cynodon*; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cynodon*; **continent**: Africa; **country**: Tanzania; **stateProvince**: Shinyanga; **locality**: Naabi Hill Gate; **verbatimLocality**: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.); **minimumElevationInMeters**: 1734; **decimalLatitude**: -2.83139; **decimalLongitude**: 34.99672; **eventDate**: 2012-06-16; **catalogNumber**: 582; **recordNumber**: 24259; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; **basisOfRecord**: PreservedSpecimen

c. **scientificName**: *Cynodon*; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Cynodon*; **continent**: Africa; **country**: Tanzania; **stateProvince**: Shinyanga; **locality**: Naabi Hill Gate; **verbatimLocality**: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; **minimumElevationInMeters**: 1651; **decimalLatitude**: -2.73597; **decimalLongitude**: 34.95284; **eventDate**: 2012-06-16; **catalogNumber**: 583; **recordNumber**: 24268; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; **basisOfRecord**: PreservedSpecimen
Cynodon aethiopicus Clayton & Harlan

Materials

a. scientificName: Cynodon aethiopicus Clayton & Harlan; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: aethiopicus; scientificNameAuthorship: Clayton & Harlan; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, 15 km Northwest of Endulen village.; minimumElevationInMeters: 1700; decimalLatitude: -3.116; decimalLongitude: 35.2; eventDate: 1993-04-27; catalogNumber: 446; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Cynodon aethiopicus Clayton & Harlan; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: aethiopicus; scientificNameAuthorship: Clayton & Harlan; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 579; recordNumber: 708; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Southern Africa
**Cynodon dactylon** (L.) Pers.

**Materials**

a. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; decimalLatitude: -3.16667; decimalLongitude: 35.583333; eventDate: 1958-04-26; catalogNumber: K000984212; recordNumber: 383; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984213; recordNumber: 321; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11; catalogNumber: K000984225; recordNumber: 6315; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Cynodon nlemfuensis** Vanderyst

**Materials**

a. scientificName: *Cynodon nlemfuensis* Vanderyst; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater, South Rim, outer slopes, road to Karatu, 5 km before junction to Lemala; minimumElevationInMeters: 2350; decimalLatitude: -3.16667; decimalLongitude: 35.583333; eventDate: 1977-09-20; catalogNumber: K000984223; recordNumber: 19178; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Cynodon nlemfuensis* Vanderyst; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduva; verbatimLocality: shifting sands 5-6 km NW of confluence of Main and Side Gorges; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-27; catalogNumber: K000984224; recordNumber: 19305; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, introduced elsewhere
Cynodon nlemfuensis var. nlemfuensis

Materials

a. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K000984216; recordNumber: 2791; recordedBy: Chuwa, S; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; minimumElevationInMeters: 1679; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1989-10-19; catalogNumber: K000984217; recordNumber: 2867; recordedBy: Chuwa, S; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984218; recordNumber: 9859; recordedBy: Greenway, PJ; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: North of Engare Nanyuki, North Serengeti; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1958-04-23; catalogNumber: K000984219; recordNumber: 360; recordedBy: Paulo, S; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; minimumElevationInMeters: 1520; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1972-12-12; catalogNumber: K000984220; recordNumber: 80; recordedBy: Frame, GW; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: Cynodon nlemfuensis Vanderyst var. nlemfuensis; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: nlemfuensis; infraspecificEpithet: nlemfuensis; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-15; catalogNumber: K000984221;
scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: South of Lemuta hill; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1958-04-22; catalogNumber: K000984222; recordNumber: 350; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa, introduced elsewhere

### Cynodon nlemfuensis var. robustus Clayton & J.R.Harlan

#### Material

a. scientificName: *Cynodon nlemfuensis* Vanderyst var. *robustus* Clayton & J.R.Harlan; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: *nlemfuensis*; infraspecificEpithet: *robustus*; scientificNameAuthorship: Clayton & J.R.Harlan; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000984215; recordNumber: 300; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

### Cynodon plectostachyus (K.Schum.) Pilg.

#### Materials

a. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K000984210; recordNumber: 2790; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera lodge, Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-16; catalogNumber: K000984211; recordNumber: 10190; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: Cynodon; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county:
Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984214; recordNumber: 9855; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plecostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquaters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 580; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
e. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plecostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: North of; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-29; catalogNumber: K001087092; recordNumber: 410; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
f. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plecostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; decimalLatitude: -2.983333; decimalLongitude: 35.616667; eventDate: 1966-02-24; catalogNumber: K001087093; recordNumber: 6356; recordedBy: Leippert; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa, introduced elsewhere

**Dactyloctenium sp.**

**Material**

a. scientificName: *Dactyloctenium*; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 590; recordNumber: 24306; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
Dactyloctenium aegyptium (L.) Willd.

Material

a. scientificName: Dactyloctenium aegyptium (L.) Willd.; kingdom: Plantae; family: Poaceae; genus: Dactyloctenium; specificEpithet: aegyptium; scientificNameAuthorship: (L.) Willd.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 586; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Dactyloctenium geminatum Hack.

Nomenclature:

Dactyloctenium bogdanii S.M.Phillips

Materials

a. scientificName: Dactyloctenium bogdanii S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: Dactyloctenium; specificEpithet: bogdanii; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Orkuman; verbatimLocality: Ngorongoro Conservation Area. Along a dry riverine close to Orkuman river; minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 587; recordNumber: 487; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Dactyloctenium bogdanii S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: Dactyloctenium; specificEpithet: bogdanii; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 588; recordNumber: 707; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

c. scientificName: Dactyloctenium bogdanii S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: Dactyloctenium; specificEpithet: bogdanii; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo-o-ogol; verbatimLocality: Ngorongoro Conservation Area, Oldonyo-o-ogol.; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 589; recordNumber: 1128; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Southern Africa
**Deschampsia flexuosa** (L.) Trin.

**Nomenclature:**

*Aira caryophyllaea* Leers

**Material**

a. scientificName: *Aira caryophyllaea* Leers; kingdom: Plantae; family: Poaceae; genus: *Aira*; specificEpithet: *caryophyllaea*; scientificNameAuthorship: Leers; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1962-06-14; catalogNumber: 852; recordNumber: 6097; recordedBy: Newbould, JB; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Dichanthium annulatum** (Forssk.) Stapf

**Material**

a. scientificName: *Dichanthium annulatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Dichanthium*; specificEpithet: *annulatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1417; decimalLatitude: -2.32; decimalLongitude: 34.73; eventDate: 2004-02-07; catalogNumber: 591; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Dichanthium annulatum** var. *annulatum*

**Material**

a. scientificName: *Dichanthium annulatum* (Forssk.) Stapf var. *annulatum*; kingdom: Plantae; family: Poaceae; genus: *Dichanthium*; infraspecificEpithet: *annulatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Robanda village, road to the water pool, CG01 plot 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1147; recordNumber: 819B; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread
Digitaria sp.

Materials

a. scientificName: Digitaria; kingdom: Plantae; family: Poaceae; genus: Digitaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kelogi; verbatimLocality: Ngorongoro Conservation Area, Kelogi.; minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 597; recordNumber: 482; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Digitaria; kingdom: Plantae; family: Poaceae; genus: Digitaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 598; recordNumber: 709; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
c. scientificName: Digitaria; kingdom: Plantae; family: Poaceae; genus: Digitaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmekeke; verbatimLocality: Ngorongoro Conservation Area, below the lower water tank at Olmekeke pipeline.; minimumElevationInMeters: 1700; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-09-09; catalogNumber: 599; recordNumber: 880; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
d. scientificName: Digitaria; kingdom: Plantae; family: Poaceae; genus: Digitaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 600; recordNumber: 1094; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
e. scientificName: Digitaria; kingdom: Plantae; family: Poaceae; genus: Digitaria; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo-o-ogol; verbatimLocality: Ngorongoro Conservation Area, Oldonyo-o-ogol.; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 601; recordNumber: 1119; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Digitaria abyssinica (Hochst. ex A.Rich.) Stapf

Nomenclature:

Digitaria scalarum (Schweinf.) Chiov.

Materials

a. scientificName: Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county:
**b.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Eastern boundary, Serengeti 10.6 miles from Soltayai.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-01; catalogNumber: K001087110; recordNumber: 10488; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**c.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K001087110; recordNumber: 372; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**d.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Engare Nanyuki, Serengeti.; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K001087109; recordNumber: 6304; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**e.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Seronera -Naabi hill road. 6 miles North of Simba Kopje.; minimumElevationInMeters: 1585; decimalLatitude: -2.633333; decimalLongitude: 34.916667; eventDate: 1970-03-18; catalogNumber: 310; recordNumber: 6617; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**f.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 592; recordNumber: 370; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**g.** Digitaria abyssinica (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713;
h. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Eastern boundary, Serengeti 10.6 miles from Soitayal.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-01; catalogNumber: 829; recordNumber: 10488; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

i. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Central Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: 831; recordNumber: 6304; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

j. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Engare Nanyuki, Serengeti.; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: 831; recordNumber: 6304; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

k. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On SE slope of crater; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087105; recordNumber: 3366; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

l. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On SE slope of crater; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087105; recordNumber: 3366; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

m. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: crater floor; minimumElevationInMeters: 1737; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-10-10; catalogNumber: 1002; recordNumber: E27;
n. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, outer eastern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-01-26; catalogNumber: 1003; recordNumber: 510; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

o. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater floor north of main lake; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: K001087107; recordNumber: 147; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater floor north of main lake; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1005; recordNumber: 147; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

q. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, outer northern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: 1006; recordNumber: 535; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

r. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1700; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-03-04; catalogNumber: 1007; recordNumber: 81; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

s. **Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-04-07; catalogNumber: 1008; recordNumber: 89; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
**Digitaria abyssinica** (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: abyssinica; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1700; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-04-08; catalogNumber: 1009; recordNumber: 97; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

**Digitaria diagonalis** (Nees) Stapf

**Nomenclature:**

*Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.

**Materials**

a. scientificName: *Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: diagonalis; infraspecificEpithet: uniglumis; scientificNameAuthorship: (A.Rich) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora river; verbatimLocality: Tabora river, mile 46.6 from the Bologonja river via Klein's camp.; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K001087216; recordNumber: 10127; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: diagonalis; infraspecificEpithet: uniglumis; scientificNameAuthorship: (A.Rich) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lerong; verbatimLocality: West side of Lemagrut; minimumElevationInMeters: 2286; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1961-02-02; catalogNumber: K001087218;
Digitaria macroblephara (Hack. ex Schinz) Paoli

Distribution: Tropical Africa & Arabia

Materials

a. scientificName: Digitaria macroblephara (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: macroblephara; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; vernacularLocality: Serengeti plain entrance of National Park near Lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000984085; recordNumber: 5595; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Digitaria macroblephara (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: macroblephara; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Ngorongoro; county: Oldevu; vernacularLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-27; catalogNumber: K000984086; recordNumber: 19304; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Digitaria macroblephara (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: macroblephara; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Soitayai; vernacularLocality: North of Soityai (Serengeti area); decimalLatitude: -2.466667; decimalLongitude: 35.333333; eventDate: 1958-04-23; catalogNumber: K000984087; recordNumber: 362; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Digitaria macroblephara (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: macroblephara; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; vernacularLocality: Central Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-21; catalogNumber: K000984088; recordNumber: 399; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Shinyanga; **locality**: Lake Magadi; **verbatimLocality**: Lake Magadi, South Seronera;  
   **decimalLatitude**: -2.633333; **decimalLongitude**: 34.9; **eventDate**: 1958-04-28;  
   **catalogNumber**: K000984089; **recordNumber**: 401; **recordedBy**: Paulo, S;  
   **basisOfRecord**: PreservedSpecimen

f. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Lemuta hill; **verbatimLocality**: South of Lemuta hill;  
   **decimalLatitude**: -2.7; **decimalLongitude**: 35.266667; **eventDate**: 1958-04-22;  
   **catalogNumber**: K000984090; **recordNumber**: 351; **recordedBy**: Paulo, S;  
   **basisOfRecord**: PreservedSpecimen

g. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Mara; **county**: Serengeti; **locality**: Serengeti; **verbatimLocality**: Serengeti;  
   **decimalLatitude**: -2.45; **decimalLongitude**: 34.833333; **eventDate**: 1961-03-17;  
   **catalogNumber**: K000984091; **recordNumber**: 9837; **recordedBy**: Greenway, PJ;  
   **basisOfRecord**: PreservedSpecimen

h. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Mara; **county**: Serengeti; **locality**: Banagi Hill; **verbatimLocality**: W. Serengeti plains;  
   **decimalLatitude**: -2.3; **decimalLongitude**: 34.833333; **eventDate**: 1954-03-16;  
   **catalogNumber**: K000984092; **recordNumber**: 96; **recordedBy**: Brooks, GP;  
   **basisOfRecord**: PreservedSpecimen

i. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Mara; **county**: Serengeti; **locality**: Sand hill; **verbatimLocality**: Central Serengeti National Park;  
   **decimalLatitude**: -2.833333; **decimalLongitude**: 35; **eventDate**: 1954-01-24;  
   **catalogNumber**: K000984093; **recordNumber**: 48; **recordedBy**: Brooks, GP;  
   **basisOfRecord**: PreservedSpecimen

j. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;  
   **scientificNameAuthorship**: (Hack. ex Schinz) Paoli; **continent**: Africa; **country**: Tanzania;  
   **stateProvince**: Mara; **county**: Serengeti; **locality**: Nyaraswiga; **verbatimLocality**: North West Escarpment of Nyaraswiga plateau;  
   **decimalLatitude**: -2.366667; **decimalLongitude**: 34.783333; **eventDate**: 1967-01-22;  
   **catalogNumber**: K000984094; **recordNumber**: 99; **recordedBy**: Braun, HMH;  
   **basisOfRecord**: PreservedSpecimen

k. **scientificName**: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; **kingdom**: Plantae;  
   **family**: Poaceae; **genus**: Digitaria; **specificEpithet**: macroblephara;
**Digitaria macroblephara** (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: macroblephara;

**Digitaria nodosa** Parl.; kingdom: Plantae; family: Poaceae; genus: Digitaria; specificEpithet: nodosa;

**Distribution:** Tanzania, Kenya, Uganda, Ethiopia, Somalia & Sudan

**Material**

a. scientificName: Digitaria nodosa Parl.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endoinyo Emboleh; verbatimLocality: Endoinyo Emboleh, Ngorongoro crater; minimumElevationInMeters: 1768; decimalLatitude: -3.083333; decimalLongitude: -35.416667; eventDate: 1963-1; catalogNumber: K001087104; recordNumber: 829; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Asia & Arabia
**Digitaria rivae** (Chiov.) Stapf

**Material**

a. scientificName: *Digitaria rivae* (Chiov.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *rivae*; scientificNameAuthorship: (Chiov.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 595; recordNumber: 24294; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

**Digitaria ternata** A.Rich.Stapf

**Materials**

a. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 596; recordNumber: 367; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaai crater; verbatimLocality: Ngorongoro conservation area, Empakaai crater, top of east rim.; minimumElevationInMeters: 2400; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-13; catalogNumber: 1141; recordNumber: 87; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

c. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro conservation area.; minimumElevationInMeters: 1524; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1988-04-18; catalogNumber: 1142; recordNumber: 2637; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread
Digitaria velutina (Forssk.) P.Beauv.

Materials

a. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-04-09; catalogNumber: K000984097; recordNumber: 10573; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi to Seronera river crossing down the corridor, mile 14.5 from Seronera.; decimalLatitude: -2.3; decimalLongitude: 34.966667; eventDate: 1961-04-04; catalogNumber: K000984098; recordNumber: 9972; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1961-11-20; catalogNumber: K000984099; recordNumber: 6409; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

Diheteropogon amplexdens var. amplexdens (Nees) Clayton

Materials

a. scientificName: *Diheteropogon amplexdens* (Nees) Clayton var. *amplexdens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexdens*; infraspecificEpithet: *amplexdens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-09; catalogNumber: K000984040; recordNumber: 10770; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Diheteropogon amplexdens* (Nees) Clayton var. *amplexdens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexdens*; infraspecificEpithet: *amplexdens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tutishi river; verbatimLocality: N.W. of Tutishi river near the Lake Magadi track; minimumElevationInMeters: 1402; decimalLatitude: -2.616667; decimalLongitude: 34.766667; eventDate: 1962-12-22; catalogNumber: K000984041; recordNumber: 10905; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. **scientificName**: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; infraspecificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile, 7.8; minimumElevationInMeters: 1615; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-27; catalogNumber: K000984042; recordNumber: 9900; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution**: Tropical Africa

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**Dinebra caudata** (K.Schum.) P.M. Peterson & N.Snow

**Nomenclature**:

**Leptochloa caudata** (K.Schum.) N.Snow

**Materials**

a. **scientificName**: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile, 7.8; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-09; catalogNumber: K000984264; recordNumber: 10152; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. **scientificName**: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Campi ya Mawi; verbatimLocality: N.E. of Campi ya Mawi and the Togora plains; minimumElevationInMeters: 1768; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1968-02-28; catalogNumber: K000984265; recordNumber: 13345; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. **scientificName**: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; minimumElevationInMeters: 1707; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1962-05-23; catalogNumber: K000984266; recordNumber: 10665; recordedBy: Greenway, PJ;
Distribution: Tanzania, Kenya, Uganda, Rwanda and Democratic Republic of Congo

**Dinebra retroflexa** (Vahl) Panz.

**Materials**

a. scientificName: *Dinebra retroflexa* (Vahl) Panz.; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; scientificNameAuthorship: (Vahl) Panz.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli valley on the hip of stones covering the hominin footprints site.; minimumElevationInMeters: 1708; decimalLatitude: -3.226944; decimalLongitude: 35.191111; eventDate: 2008-04-10; catalogNumber: 1112; recordNumber: 1202; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

b. scientificName: *Dinebra retroflexa* (Vahl) Panz.; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; scientificNameAuthorship: (Vahl) Panz.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli valley on the hip of stones covering the hominin footprints site.; minimumElevationInMeters: 1708; decimalLatitude: -3.226944; decimalLongitude: 35.191111; eventDate: 2008-04-10; catalogNumber: 1113; recordNumber: 1202; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen

Distribution: Widespread

**Dinebra retroflexa** var. **condensata** S.M.Philips

**Materials**

a. scientificName: *Dinebra retroflexa* (Vahl) Panz. var. **condensata** S.M.Philips; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; infraspecificEpithet: **condensata**; scientificNameAuthorship: S.M.Philips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi; verbatimLocality: East of Musabi, Grumeti river.; decimalLatitude: -2.2333; decimalLongitude: 34.466667; eventDate: 1968-02-10; catalogNumber: 872; recordNumber: 13168; recordedBy: Greenway, PJ; Kanuri; Braun; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

b. scientificName: *Dinebra retroflexa* (Vahl) Panz. var. **condensata** S.M.Philips; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; infraspecificEpithet: **condensata**; scientificNameAuthorship: S.M.Philips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyakoromo Guard Post; verbatimLocality: Nyakaoromo guard post to Ndabaka.; minimumElevationInMeters: 1097; decimalLatitude: -2.2; decimalLongitude: 34.05; eventDate: 1962-04-19; catalogNumber: K001087167; recordNumber: 10613; recordedBy: Greenway, PJ; Watson, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Distribution: Tropical Africa & Asia

**Diplachne fusca** (L.) P.Beauv. ex Roem. & Schult.

**Nomenclature:**

*Leptochloa fusca* (L.) Kunth | *Leptochloa fusca* (L.) Kunth subsp. *fusca fusca*

**Materials**

a. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: *Poaceae*; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: SE side of Ngorongoro crater floor. Hippo pool.; decimalLatitude: -3.25; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K001087168; recordNumber: 12593; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: *Poaceae*; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater floor, Gorigor swamp, western end.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1977-10-09; catalogNumber: K001087170; recordNumber: 19521; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: *Poaceae*; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Titushi river near Lake Magadi, Musoma district.; minimumElevationInMeters: 1432; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1961-04-13; catalogNumber: K001087171; recordNumber: 10043; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: *Poaceae*; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Ngorgoro crater; minimumElevationInMeters: 1646; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-07-05; catalogNumber: K000984261; recordNumber: 12535; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: *Poaceae*; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbalageti river; verbatimLocality: N.W. of Serengeti; decimalLatitude: -2.883333; decimalLongitude: 34.9; eventDate: 1956-12-16; catalogNumber: K000984262; recordNumber: 9027; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
f. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: *Poaceae*; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Titushi river flats;
verbatimLocality: mile 14 from Seronera, Serengeti; minimumElevationInMeters: 800; decimalLatitude: -2.616667; decimalLongitude: 34.766667; eventDate: 1962-03-06; catalogNumber: K000984263; recordNumber: 10501; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

g. scientificName: Leptochloa fusca (L.) Kunth; kingdom: Plantae; family: Poaceae; genus: Leptochloa; specificEpithet: fusca; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 641; recordNumber: 24322; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

h. scientificName: Leptochloa fusca (L.) Kunth subsp. fusca; kingdom: Plantae; family: Poaceae; genus: Leptochloa; specificEpithet: fusca; infraspecificEpithet: fusca; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Serengeti plains, head waters of the Mbalangeti river.; minimumElevationInMeters: 1554; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1968-02-14; catalogNumber: K001087169; recordNumber: 13183; recordedBy: Greenway, PJ; Kanuri; Boer de; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Disakisperma obtusiflorum (Hochst.) P.M. Peterson & N.Snow

Nomenclature:

Leptochloa obtusiflora Hochst.

Materials

a. scientificName: Leptochloa obtusiflora Hochst.; kingdom: Plantae; family: Poaceae; genus: Leptochloa; specificEpithet: obtusiflora; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi to Seronera river crossing the corridor, mile 14.5 from Seronera; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.966667; eventDate: 1961-04-04; catalogNumber: K000984259; recordNumber: 9971; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Leptochloa obtusiflora Hochst.; kingdom: Plantae; family: Poaceae; genus: Leptochloa; specificEpithet: obtusiflora; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Kleins Camp to Bolgonja river; minimumElevationInMeters: 1646; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1962-05-25; catalogNumber: K000984260; recordNumber: 10666; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Distribution: Tropical Africa & Arabia

_Disakisperma yemenicum_ (Schweinf.) P.M.Peterson & N.Snow

Nomenclature:

_Coelachyrum yemenicum_ (Schweinf.) S.M.Phillips; _Cypholepis yemenica_ (Schweinf.) Chiov.

Materials

a. scientificName: _Coelachyrum yemenicum_ (Schweinf.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: _Coelachyrum_; specificEpithet: _yemenicum_; scientificNameAuthorship: (Schweinf.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 577; recordNumber: 24254; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: _Cypholepis yemenica_ (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: _Cypholepis_; specificEpithet: _yemenica_; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki springs; verbatimLocality: Ngare Nanyuki springs, Serengeti Central Plains; minimumElevationInMeters: 1615; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-04; catalogNumber: K001087097; recordNumber: 10694; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: _Cypholepis yemenica_ (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: _Cypholepis_; specificEpithet: _yemenica_; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldiang’arangar; verbatimLocality: East Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.8; decimalLongitude: 35.416667; eventDate: 1963-2; catalogNumber: K001087098; recordNumber: 6543; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: _Cypholepis yemenica_ (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: _Cypholepis_; specificEpithet: _yemenica_; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; verbatimLocality: Masai district, gorge below the Engaruka road. Top of the escarpment above the gorge.; minimumElevationInMeters: 974; decimalLatitude: -2.983333; decimalLongitude: 35.616667; eventDate: 1970-02-27; catalogNumber: K001087099; recordNumber: 25551; recordedBy: Richards, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: _Cypholepis yemenica_ (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: _Cypholepis_; specificEpithet: _yemenica_; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; minimumElevationInMeters: 1000; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1966-02-24; catalogNumber: K001087100; recordNumber: 6362; recordedBy: Leippert; institutionCode: K;
collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scienti
cificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1460; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1987-05-01; catalogNumber: K001087101; recordNumber: 2608; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

g. scienti
cificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-12-27; catalogNumber: K001087102; recordNumber: 2857; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h. scienti
cificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plains, 2 miles west of the eastern boundary.; minimumElevationInMeters: 1737; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-05-30; catalogNumber: K001087103; recordNumber: 10678; recordedBy: Greenway, PJ; Watson, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

i. scienti
cificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: -9999; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1973-12-06; catalogNumber: 1111; recordNumber: 2; recordedBy: Banyikwa, FF; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Arabia, Eastern & Southern Africa

**Echinochloa brevipedicellata** (Peter) Clayton

**Material**

- a. scienti
cificName: *Echinochloa brevipedicellata* (Peter) Clayton; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *brevipedicellata*; scientificNameAuthorship: (Peter) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-28; catalogNumber: 291; recordNumber: 3B; recordedBy: Banyikwa, FF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tanzania & Kenya
**Echinochloa colona** (L.) Link

**Materials**

a. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 602; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

b. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 603; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

c. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1548; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-12; catalogNumber: 604; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Echinochloa haploclada** (Stapf) Stapf

**Materials**

a. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Riverside, Serengeti National Park, Banagi.; minimumElevationInMeters: 1350; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-03; catalogNumber: K001087221; recordNumber: 5605; recordedBy: Leipert; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-03-17; catalogNumber: K001087222; recordNumber: 9839; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo springs; verbatimLocality: Serengeti national park.; minimumElevationInMeters: -9999; decimalLatitude: -2.033333; decimalLongitude: 35.216667; catalogNumber: K001087223; recordNumber: 5391; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

*Echinochloa ugandensis* Snowden & C.E.Hubb.

**Materials**

a. scientificName: *Echinochloa ugandensis* Snowden & C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *ugandensis*; scientificNameAuthorship: Snowden & C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: 934; recordNumber: 9860; recordedBy: Greenway, PJ; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

b. scientificName: *Echinochloa ugandensis* Snowden & C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *ugandensis*; scientificNameAuthorship: Snowden & C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: 935; recordNumber: 12616; recordedBy: Greenway, PJ; Kanuri; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

*Ehrharta erecta* Lam.

**Nomenclature:**

*Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.

**Materials**

a. scientificName: *Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ehrharta*; specificEpithet: *erecta*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: valley north-west of Jaeger Summit. Ngorongoro Conservation Area.; minimumElevationInMeters: 3047; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: K000984284; recordNumber: 186; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ehrharta*; specificEpithet: *erecta*; infraspecificEpithet: *abyssinica*;
scientificNameAuthorship: (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; verbatimLocality: Crater Highlands; minimumElevationInMeters: 2591; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-30; catalogNumber: K000984285; recordNumber: 6248; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Ehrharta erecta Lam. var. abyssinica (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south-east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1143; recordNumber: EN803; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

Eleusine jaegeri Pilg.

Materials

a. scientificName: Eleusine jaegeri Pilg.; continent: Africa; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.35; eventDate: 1993-06-17; catalogNumber: 605; recordNumber: 664; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Eleusine jaegeri Pilg.; continent: Africa; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro conservation area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 606; recordNumber: 718; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

c. scientificName: Eleusine jaegeri Pilg.; continent: Africa; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Rhino lodge.; verbatimLocality: Ngorongoro Conservation Area, Entim e Rotian, close to Rhino-lodge.; minimumElevationInMeters: 2200; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-08-29; catalogNumber: 607; recordNumber: 861; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

d. scientificName: Eleusine jaegeri Pilg.; continent: Africa; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian;
scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 609; recordNumber: 24299; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater; eventDate: 1956-08-03; catalogNumber: 796; recordNumber: s.n.; recordedBy: Napper, D; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2317; maximumElevationInMeters: 2317; eventDate: 1965-06-10; catalogNumber: 797; recordNumber: 122; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; maximumElevationInMeters: 2286; eventDate: 1935-1; catalogNumber: 799; recordNumber: 89; recordedBy: Moreau, RE; Moreau, WM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2439; maximumElevationInMeters: 2439; eventDate: 1933-02-22; catalogNumber: K000766126; recordNumber: 3368; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 608; recordNumber: 909; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: South East slope of the crater.; minimumElevationInMeters: 2439; maximumElevationInMeters: 2439; eventDate: 1933-02-22; catalogNumber: 819; recordNumber: 3368; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

l. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaa crater, Ngorongoro, top of south rim.; minimumElevationInMeters: 3018; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-09-03; catalogNumber: 821; recordNumber: 46; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

m. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaa crater, outer eastern slope of Ngorongoro.; minimumElevationInMeters: 2130; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-08-14; catalogNumber: 822; recordNumber: 43; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

n. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater; eventDate: 1956-08-03; catalogNumber: K000766124; recordNumber: s.n.; recordedBy: Napper, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

o. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Empakaa crater, Ngorongoro, top of south rim.; minimumElevationInMeters: 3018; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-09-03; catalogNumber: K000766132; recordNumber: 46; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater wall above Laroda.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1932-09-12; catalogNumber: K000766136; recordNumber: 4302; recordedBy: Burtt, BD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

q. scientificName: Eleusine jaegeri Pilg.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: jaegeri; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1935-1; catalogNumber: K000766127; recordNumber: 90; recordedBy: Moreau; Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1935-1; catalogNumber: 1012; recordNumber: 90; recordedBy: Moreau; Moreau; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater south rim, outer slopes. Junction to Lemala.; minimumElevationInMeters: 2100; maximumElevationInMeters: 2350; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1977-09-15; catalogNumber: K000766129; recordNumber: 19056; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2682; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1956-12-09; catalogNumber: K000766125; recordNumber: 9149; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2896; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1948-11-01; catalogNumber: K000766137; recordNumber: 49; recordedBy: Salt, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1961-6; catalogNumber: K000766138; recordNumber: G41; recordedBy: Bogdan; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: West rim of crater.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-21; catalogNumber: K000766139; recordNumber: 898; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087163; recordNumber: 981; recordedBy: Pole Evans, IB; Erens, J; institutionCode:
**Eleusine multiflora** Hochst. ex A.Rich.

**Materials**

a. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the top of the Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087164; recordNumber: 979; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the top of the Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087164; recordNumber: 979; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1524; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1941-4; catalogNumber: 787; recordNumber: B2584; recordedBy: Bally, PRO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

d. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1524; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1941-4; catalogNumber: 787; recordNumber: B2584; recordedBy: Bally, PRO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** East Africa
Elionurus muticus (Spreng.) Kuntze

Nomenclature:

Elionurus argenteus Nees

Materials

a. scientificName: Elionurus argenteus Nees; kingdom: Plantae; family: Poaceae; genus: Elionurus; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K001087162; recordNumber: 2787; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Elionurus argenteus Nees; kingdom: Plantae; family: Poaceae; genus: Elionurus; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Olduvai Gorge; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1962-08-21; catalogNumber: K000984053; recordNumber: 10769; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Elionurus argenteus Nees; kingdom: Plantae; family: Poaceae; genus: Elionurus; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K001087162; recordNumber: 2787; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: Eleusine multiflora Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: multiflora; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Empakaai Crater; Conservation Area; top of East rim.; minimumElevationInMeters: 2450; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1974-01-22; catalogNumber: 789; recordNumber: 501; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

f. scientificName: Eleusine multiflora Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: multiflora; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-04-09; catalogNumber: K001087160; recordNumber: 10574; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

g. scientificName: Eleusine multiflora Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: multiflora; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Old Boma.; minimumElevationInMeters: 2134; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1961-02-11; catalogNumber: K001087161; recordNumber: 5652; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Eastern Africa & Arabia

Eleusine muticus (Spreng.) Kuntze

Nomenclature:

Eleusine argenteus Nees

Materials

a. scientificName: Eleusine argenteus Nees; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1962-08-21; catalogNumber: K000984053; recordNumber: 10769; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Eleusine argenteus Nees; kingdom: Plantae; family: Poaceae; genus: Eleusine; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa;
country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; verbatimLocality: Mara River guard post, mile 87 from Seronera.; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1961-10-04; catalogNumber: K000984054; recordNumber: 10238; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

verbatimLocality: Mara River guard post, mile 87 from Seronera.;
minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1961-10-04; catalogNumber: K000984054; recordNumber: 10238; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

**Enneapogon sp.**

Material

a. scientificName: *Enneapogon*; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 612; recordNumber: 24265; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

c. scientificName: *Cenchrus argenteus* Nees; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: argenteus; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo range; verbatimLocality: East boundary, Lobo range; minimumElevationInMeters: 1981; decimalLatitude: -1.966667; decimalLongitude: 35.216667; eventDate: 1961-05-18; catalogNumber: K000984055; recordNumber: 10307; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Enneapogon cenchroides** (Licht.) C.E.Hubb

Materials

a. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: cenchroides; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mosonik; verbatimLocality: West of Lake Natron; minimumElevationInMeters: 1219; decimalLatitude: -2.583333; decimalLongitude: 35.8; eventDate: 1962-11-29; catalogNumber: K000984272; recordNumber: 6356; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: cenchroides; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Mgungu River; minimumElevationInMeters: 1341; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K000984273; recordNumber: 10345; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Salambala; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1829; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-11-21; catalogNumber: K000984274; recordNumber: 6294; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 611; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Arabia & Asia

*Enneapogon desvauxii* P.Beauv.

**Nomenclature:**

*Enneapogon brachystachyus* Stapf

**Materials**

a. scientificName: *Enneapogon brachystachyus* Stapf; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *brachystachyus*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Slope of Ibalba, from Ngorongoro.; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1957-03-12; catalogNumber: K001087166; recordNumber: 202; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Enneapogon desvauxii* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *desvauxii*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: North of Olbalbal.; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-29; catalogNumber: K001087165; recordNumber: 412; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Asia & Americas

*Enneapogon persicus* Boiss.

**Nomenclature:**

*Enneapogon elegans* (Nees ex Steud.) Stapf
Materials

a. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: Enneapogon; specificEpithet: persicus; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam Paddock, Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-19; catalogNumber: K000984267; recordNumber: 10071; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: Enneapogon; specificEpithet: persicus; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-7; catalogNumber: K000984268; recordNumber: 13605; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: Enneapogon; specificEpithet: persicus; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: mile 8 E. of Naabi Hill and three miles from the Eastern boundary; minimumElevationInMeters: 1646; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1962-03-15; catalogNumber: K000984269; recordNumber: 10524; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: Enneapogon; specificEpithet: persicus; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ipumba Kopje; verbatimLocality: S. Boundary; minimumElevationInMeters: 1524; decimalLatitude: -3.266667; decimalLongitude: 34.833333; eventDate: 1961-06-06; catalogNumber: K000984270; recordNumber: 10367; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: Enneapogon; specificEpithet: persicus; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Mgungu river; minimumElevationInMeters: 1341; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K000984271; recordNumber: 10347; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Asia

**Enteropogon** sp.

Material

a. scientificName: *Enteropogon*; kingdom: Plantae; family: Poaceae; genus: Enteropogon; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi plains; verbatimLocality: T1. Serengeti National Park. Musabi plains.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.55;
Enteropogon macrostachyus (Hochst. ex A.Rich) Munro ex Benth.

Material

a. scientificName: Enteropogon macrostachyus (Hochst. ex A.Rich) Munro ex Benth.; kingdom: Plantae; family: Poaceae; genus: Enteropogon; specificEpithet: macrostachyus; scientificNameAuthorship: (Hochst. ex A.Rich) Munro ex Benth.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-29; catalogNumber: K000766110; recordNumber: 9928; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

Eragrostis sp.

Materials

a. scientificName: Eragrostis; kingdom: Plantae; family: Poaceae; genus: Eragrostis; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 617; recordNumber: 24267; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: Eragrostis; kingdom: Plantae; family: Poaceae; genus: Eragrostis; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 618; recordNumber: 24267; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

c. scientificName: Eragrostis; kingdom: Plantae; family: Poaceae; genus: Eragrostis; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 619; recordNumber: 24267; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

d. scientificName: Eragrostis; kingdom: Plantae; family: Poaceae; genus: Eragrostis; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.;
Eragrostis aethiopica Chiov.

Materials

a. scientificName: *Eragrostis aethiopica* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aethiopica*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1958-04-27; catalogNumber: K000984237; recordNumber: 388; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis aethiopica* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aethiopica*; scientificNameAuthorship: Chiov.; continent: Africa;
Distribution: Tropical Africa & Arabia

**Eragrostis aspera** (Jacq.) Nees

**Materials**

a. scientificName: *Eragrostis aspera* (Jacq.) Nees; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aspera*; scientificNameAuthorship: (Jacq.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Eastern Hillock; minimumElevationInMeters: 1676; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-06-02; catalogNumber: K000984227; recordNumber: 10359; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis aspera* (Jacq.) Nees; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aspera*; scientificNameAuthorship: (Jacq.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-16; catalogNumber: K000984228; recordNumber: 10192; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa, Arabia & Asia

**Eragrostis cilianensis** (All.) Janch.

**Nomenclature:**

*Eragrostis polysperma* Peter

**Materials**

**Other materials:**

a. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Plains; minimumElevationInMeters: 1189; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1968-02-20; catalogNumber: K000984244; recordNumber: 13313; recordedBy: Greenway, PJ; Kanuri; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyarawiga Hill; minimumElevationInMeters: 1341; decimalLatitude: -2.366667; decimalLongitude: 34.783333; eventDate: 1962-03-05; catalogNumber: K000984245;
scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; verbatimLocality: floor; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984247; recordNumber: 2799; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984247; recordNumber: 2799; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000984248; recordNumber: 9983; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: In gorge N.E. Ol Doinyo Lengai; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000984249; recordNumber: 11353; recordedBy: Greenway, PJ; Hunter, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

g.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: South side of Lake Magadi, Mile 18 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: K000984250; recordNumber: 10504; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; minimumElevationInMeters: 997; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1966-02-24; catalogNumber: K000984251; recordNumber: 6359; recordedBy: Leipper, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

i.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: In gorge N.E. Ol Doinyo Lengai; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000984249; recordNumber: 11353; recordedBy: Greenway, PJ; Hunter, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

j.

scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: In gorge N.E. Ol Doinyo Lengai; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000984249; recordNumber: 11353; recordedBy: Greenway, PJ; Hunter, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Olbalbal; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984252; recordNumber: 322; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Isotype:

- scientificName: *Eragrostis polysperma* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *polysperma*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Arusha: Deutsch Ost-Afrika: Landschaft Winter Hochland: Rand des Ngorongoro Kessels.; minimumElevationInMeters: 2200; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1926-07-22; catalogNumber: W0027741; recordNumber: 43114; recordedBy: Peter, A; institutionCode: W; collectionCode: Herbarium; ownerInstitutionCode: W; basisOfRecord: PreservedSpecimen

Distribution: Widespread

**Eragrostis exasperata** Peter

Materials

- scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo springs; verbatimLocality: Serengeti N.P.; decimalLatitude: -1.966667; decimalLongitude: 35.216667; eventDate: 1967-09-01; catalogNumber: K000984229; recordNumber: 5392; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; minimumElevationInMeters: 1554; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-06-22; catalogNumber: K000984230; recordNumber: 10388; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-02; catalogNumber: K000984231; recordNumber: 9952; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa
Eragrostis heteromera Stapf

Materials

a. scientificName: Eragrostis heteromera Stapf; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: heteromera; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984232; recordNumber: 9840; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Eragrostis heteromera Stapf; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: heteromera; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka Guard Post; minimumElevationInMeters: 1128; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1968-02-22; catalogNumber: K000984233; recordNumber: 13330; recordedBy: Greenway, PJ; Kanuri; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Eragrostis heteromera Stapf; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: heteromera; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984234; recordNumber: 37; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Eragrostis heteromera Stapf; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: heteromera; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Excavation 6 km north of Simba kopjes; minimumElevationInMeters: 1500; decimalLatitude: -2.633333; decimalLongitude: 34.916667; eventDate: 1967-05-23; catalogNumber: K000984235; recordNumber: 228; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: Eragrostis heteromera Stapf; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: heteromera; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1417; decimalLatitude: -2.23; decimalLongitude: 34.73; eventDate: 2004-02-07; catalogNumber: 614; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa
**Eragrostis hispida** K.Schum.

**Materials**

a. scientificName: *Eragrostis hispida* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *hispida*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984226; recordNumber: 9996; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis hispida* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *hispida*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Between Campi ya Mpofo and Klein's camp; minimumElevationInMeters: 1554; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1963-01-14; catalogNumber: K001087157; recordNumber: 10939; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

**Eragrostis humidicola** Napper

**Material**

a. scientificName: *Eragrostis humidicola* Napper; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *humidicola*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from the Bologonja river via Klein's camp.; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-05-01; catalogNumber: K001087220; recordNumber: 10134; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Kenya, Tanzania, Uganda, Democratic Republic of Congo & Rwanda

**Eragrostis papposa** (Roem. & Schult.) Steud.

**Nomenclature:**

*Eragrostis aulacosperma* (Fresen.) Steud.

**Materials**

a. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal, Olbaata; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333,
b. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: SE part of park.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-11-21; catalogNumber: 298; recordNumber: 99; recordedBy: Kreulen, AR; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

c. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Serengeti.; minimumElevationInMeters: 1524; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1965-05-16; catalogNumber: 299; recordNumber: 4687; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

d. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Depression. Olbaata; minimumElevationInMeters: 1371; eventDate: 1962-02-07; catalogNumber: 790; recordNumber: 5991; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

e. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Depression. Olbaata; minimumElevationInMeters: 1371; eventDate: 1962-02-07; catalogNumber: 790; recordNumber: 5991; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

f. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 10km to the SE.; minimumElevationInMeters: 1500; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1968-02-27; catalogNumber: 794; recordNumber: 256; recordedBy: Braun, HMM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

g. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Northern slope of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.883333; decimalLongitude: 35.083333; eventDate: 1968-03-29; catalogNumber: 795; recordNumber: 274; recordedBy: Braun, HMM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
h. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal, Olbaata; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-14; catalogNumber: 816; recordNumber: 6374; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

i. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1959-02-19; catalogNumber: 823; recordNumber: 1675; recordedBy: Heady, HF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

j. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-19; catalogNumber: 1010; recordNumber: 1695; recordedBy: Heady, AF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Africa & Asia

**Eragrostis pilosa** (L.) P.Beauv.

Materials

a. scientificName: *Eragrostis pilosa* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *pilosa*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyaraswiga Hill; decimalLatitude: -2.366667; decimalLongitude: 34.783333; eventDate: 1958-04-27; catalogNumber: K000984236; recordNumber: 395; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis pilosa* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *pilosa*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronerera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087156; recordNumber: 9875; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread
**Eragrostis racemosa** (Thunb.) Steud.

**Materials**

a. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: racemosa; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, Mile 55.3; minimumElevationInMeters: 1798; decimalLatitude: -1.866667; decimalLongitude: 35.4; eventDate: 1961-05-17; catalogNumber: K000984241; recordNumber: 10302; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: racemosa; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Handajenga; minimumElevationInMeters: 1219; decimalLatitude: -2.25; decimalLongitude: 34.1; eventDate: 1968-02-21; catalogNumber: K000984242; recordNumber: 13318; recordedBy: Greenway, PJ; Kanuri; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: racemosa; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from Bolgonja river via Kleins Camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000984243; recordNumber: 10130; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: racemosa; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area 3 km south of Endulen Village.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-08-06; catalogNumber: 615; recordNumber: 776; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

**Eragrostis schweinfurthii** Chiov.

**Materials**

a. scientificName: *Eragrostis schweinfurthii* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: schweinfurthii; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: on top of the Ngorongoro crater ridge; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000984239; recordNumber: 908; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
b. scientificName: *Eragrostis schweinfurthii* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: north east of Oldean Mtn.; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984240; recordNumber: 2751b; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

*Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.

Materials

a. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: north east of Oldean Mtn.; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984240; recordNumber: 2751; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: K000984255; recordNumber: 90; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: 35.583333; decimalLongitude: -3.166667; eventDate: 1938-06-24; catalogNumber: K000984256; recordNumber: 25130; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000984257; recordNumber: 72; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti;
minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K000984258; recordNumber: 9847; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: Eragrostis tenuifolia (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: tenuifolia; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 616; recordNumber: 717; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Eragrostis viscosa Trin.

Materials

a. scientificName: Eragrostis viscosa Trin.; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: viscosa; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki springs; verbatimLocality: Eastern boundary of Serengeti National Park, Engare Nanyuki (Nyanuki) Springs.; minimumElevationInMeters: 1615; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-05; catalogNumber: K001087158; recordNumber: 10703; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Eragrostis viscosa Trin.; kingdom: Plantae; family: Poaceae; genus: Eragrostis; specificEpithet: viscosa; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: At junction of Olduvai to Loliondo roads and Bangi-Seronera old road, just north of Olduvai gorge.; minimumElevationInMeters: 1524; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1964-04-02; catalogNumber: K001087159; recordNumber: 4028; recordedBy: Verdcourt, B; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa, Asia & Arabia
**Eriochloa sp.**

Material

a. scientificName: *Eriochloa*; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatinLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 626; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Eriochloa fatmensis** (Hochst. & Steud.) Clayton

Nomenclature:

*Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.

Materials

a. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatinLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 625; recordNumber: 371; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatinLocality: Along the road to Nabaka gate, 36M, 068713, 9750232 UTM.; minimumElevationInMeters: 1314; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-01-31; catalogNumber: 1136; recordNumber: 899; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

c. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatinLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot, 36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1137; recordNumber: 839; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

d. scientificName: *Eriochloa nubica* (Steed.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steed.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Naibardad Hill; verbatinLocality: Eluwanit Dam, near Naibardad, South East Serengeti.; minimumElevationInMeters: 1753;
Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000765975; recordNumber: 319; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000765979; recordNumber: 9861; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Ngorongoro conservation area.; minimumElevationInMeters: 1760; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: K000766014; recordNumber: 2585; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ondulen; verbatimLocality: Ondulen, Serengeti area.; eventDate: 1958-04-29; catalogNumber: K000766016; recordNumber: 414; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K000766018; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: Esere, near Kakesio, Ngorongoro conservation area.; minimumElevationInMeters: 1760; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: K000766016; recordNumber: 414; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K000766018; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: Esere, near Kakesio, Ngorongoro conservation area.; minimumElevationInMeters: 1760; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: K000766016; recordNumber: 414; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K000766018; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K000766018; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Eriochloa nubica (Steud.) Hack. & Stapf ex Thell. ; kingdom: Plantae; family: Poaceae; genus: Eriochloa; specificEpithet: nubica; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K000766018; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
**Distribution:** Tropical Africa & Arabia

*Eriochloa meyeriana* (Nees) Pilg.

**Materials**

a. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: westwards on the Grumeti river; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1956-11-19; catalogNumber: K000984119; recordNumber: 9036; recordedBy: Greenway, PJ; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-12; catalogNumber: K000984120; recordNumber: 10179; recordedBy: Greenway, PJ; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-12; catalogNumber: DB0360; recordNumber: 10179; recordedBy: Greenway, PJ; institutionCode: Herbarium; ownerInstitutionCode: SWRC; collectionCode: Herbarium; basisOfRecord: PreservedSpecimen

d. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Serengeti River below Sid Downeys Dam; minimumElevationInMeters: 1410; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1962-04-15; catalogNumber: DB0361; recordNumber: 10600; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

*Eustachys paspaloides* (Vahl) Lanza & Mattei

**Materials**

a. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 627; recordNumber: 24264; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;
collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 628; recordNumber: 24295; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

c. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka Plains; verbatimLocality: South of Ndalaka plains; minimumElevationInMeters: 1280; decimalLatitude: -2.11667; decimalLongitude: 33.916667; eventDate: 1956-12-01; catalogNumber: K001087147; recordNumber: 9093; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; decimalLatitude: -2.33333; decimalLongitude: 34.833333; eventDate: 1958-04-22; catalogNumber: K001087145; recordNumber: 347; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Entrance to National Park, Maswa district.; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K001087146; recordNumber: 65; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Entrance to National Park, Maswa district.; minimumElevationInMeters: 1600; decimalLatitude: -2.33333; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K001087148; recordNumber: 5596; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
g. scientificName: Eustachys paspaloides (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: Eustachys; specificEpithet: paspaloides; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti.; minimumElevationInMeters: 1554; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K001087149; recordNumber: 9845; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
h. **Eustachys paspaloides** (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti.; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K001087150; recordNumber: 364; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution**: Tropical Africa & Arabia

### Exotheca abyssinica** (Hochst. ex A.Rich.) Andersson

**Materials**

a. **Exotheca abyssinica** (Hochst. ex A.Rich.) Andersson; kingdom: Plantae; family: Poaceae; genus: *Exotheca*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2700; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 629; recordNumber: 771; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. **Exotheca abyssinica** (Hochst. ex A.Rich.) Andersson; kingdom: Plantae; family: Poaceae; genus: *Exotheca*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1156; recordNumber: EN758; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution**: Eastern & Southern Africa

### Festuca obturbans** St.-Yves

**Material**

a. **Festuca obturbans** St.-Yves; kingdom: Plantae; family: Poaceae; genus: *Festuca*; specificEpithet: *obturbans*; scientificNameAuthorship: St.-Yves; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater;
**Distribution:** Tanzania, Kenya & Yemen

**Harpachne schimperi** A.Rich.

**Materials**

a. **scientificName:** *Harpachne schimperi* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Harpachne*; **specificEpithet:** schimperi; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Mara; **county:** Serengeti; **locality:** Serengeti Research Centre; **verbatimLocality:** T1. Serengeti Research Centre.; **minimumElevationInMeters:** 1550; **decimalLatitude:** 34.85; **decimalLongitude:** -2.38; **eventDate:** 2004-02-09; **catalogNumber:** 630; **recordNumber:** s.n.; **recordedBy:** Mboya, E; **institutionCode:** MO; **collectionCode:** Herbarium; **ownerInstitutionCode:** MO; **basisOfRecord:** PreservedSpecimen

b. **scientificName:** *Harpachne schimperi* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Harpachne*; **specificEpithet:** schimperi; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Shinyanga; **county:** Serengeti; **locality:** Naabi Hill Gate; **verbatimLocality:** Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; **minimumElevationInMeters:** 1734; **decimalLatitude:** -2.93333; **decimalLongitude:** 35.81667; **eventDate:** 1905-05-14; **catalogNumber:** K000984283; **recordNumber:** 9140; **recordedBy:** Greenway, PJ; **institutionCode:** K; **collectionCode:** Herbarium; **ownerInstitutionCode:** K; **basisOfRecord:** PreservedSpecimen

c. **scientificName:** *Harpachne schimperi* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Harpachne*; **specificEpithet:** schimperi; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Mara; **county:** Serengeti; **locality:** Mbuzi Mare camp; **verbatimLocality:** Serengeti National Park, near Mbuzi Mare camp.; **minimumElevationInMeters:** 1552; **decimalLatitude:** -2.23332; **decimalLongitude:** 34.96467; **eventDate:** 2012-06-17; **catalogNumber:** 632; **recordNumber:** 24285; **recordedBy:** Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode:** US; **collectionCode:** Herbarium; **ownerInstitutionCode:** US; **basisOfRecord:** PreservedSpecimen

d. **scientificName:** *Harpachne schimperi* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Harpachne*; **specificEpithet:** schimperi; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Mara; **county:** Serengeti; **locality:** Lobo Lodge; **verbatimLocality:** Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; **minimumElevationInMeters:** 1817; **decimalLatitude:** -1.99967; **decimalLongitude:** 35.16778; **eventDate:** 2012-06-17; **catalogNumber:** 633; **recordNumber:** 24293; **recordedBy:** Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode:** US; **collectionCode:** Herbarium; **ownerInstitutionCode:** US; **basisOfRecord:** PreservedSpecimen

e. **scientificName:** *Harpachne schimperi* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Harpachne*; **specificEpithet:** schimperi; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Lake Magadi; **verbatimLocality:** Ngorongoro Conservation Area, W side of Lake Magadi.
minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 634; recordNumber: 24319; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

*Helictotrichon elongatum* (Hochst. ex A.Rich.) C.E.Hubb

**Material**

a. scientificName: *Helictotrichon elongatum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *elongatum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-26; catalogNumber: K000984279; recordNumber: P82; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

*Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.

**Materials**

a. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: On crater rim. Embagai Crater; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K001087142; recordNumber: 9130; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1961-01-07; catalogNumber: K001087144; recordNumber: 5614; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area, Empakaai crater, north slope of Jaeger Williams E et al.
**Heteropogon contortus** (L.) P.Beauv. ex Roem. & Schult.

**Materials**

a. Plantae; family: Poaceae; genus: Heteropogon; specificEpithet: contortus; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: Heteropogon; specificEpithet: contortus; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 635; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

b. Plantae; family: Poaceae; genus: Heteropogon; specificEpithet: contortus; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 635; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

c. Plantae; family: Poaceae; genus: Heteropogon; specificEpithet: contortus; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot. 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1154; recordNumber: 3; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

d. Plantae; family: Poaceae; genus: Heteropogon; specificEpithet: contortus; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater, Misigiyo, 15.1km from NCAA headquarters.; minimumElevationInMeters: 2270; decimalLatitude: -3.21; decimalLongitude: 35.354167; eventDate: 1997-06-17; catalogNumber: 1155; recordNumber: 3; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread
Hyparrhenia sp.

Materials

a. scientificName: Hyparrhenia; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1307; decimalLatitude: -2.27; decimalLongitude: 34.53; eventDate: 2004-03-09; catalogNumber: 638; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

b. scientificName: Hyparrhenia; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1150; recordNumber: EN789; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Hyparrhenia anamesa Clayton

Material

a. scientificName: Hyparrhenia anamesa Clayton; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: anamesa; scientificNameAuthorship: Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Between Ngoitoktok springs and Oljoro Nyuki River, Ngorongoro crater floor; minimumElevationInMeters: 1768; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K000984012; recordNumber: 12598; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Hyparrhenia anthistirioides (Hochst. & A.Rich.) Andersson ex Stapf

Materials

a. scientificName: Hyparrhenia anthistirioides (Hochst. & A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: anthistirioides; scientificNameAuthorship: (Hochst. & A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndugani Kopjes; verbatimLocality: S.W. Beacon, mile 26; minimumElevationInMeters: 1493; decimalLatitude: -3.25; decimalLongitude: 34.833333; eventDate: 1961-06-06; catalogNumber: K000984015; recordNumber: 10363; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Hyparrhenia anthistirioides (Hochst. & A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: anthistirioides; scientificNameAuthorship: (Hochst. & A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes;
minimumElevationInMeters: 1585; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: K000984016; recordNumber: 13177; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Scientific Name: Hyparrhenia anthistirioides (Hochst. & A.Rich.) Andersson ex Stapf;
Kingdom: Plantae; Family: Poaceae; Genus: Hyparrhenia; Specific Epithet: anthistirioides;
Scientific Name Authorship: (Hochst. & A.Rich.) Andersson ex Stapf;
Country: Tanzania; State Province: Arusha; County: Ngorongoro; Locality: Laetoli;
verbatimLocality: Ngorongoro, Esere-Laetoli road, Laetoli road 2100m from the junction to the footprints site.; minimumElevationInMeters: 1585; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: K000984016; recordNumber: 13177; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Hyparrhenia cymbaria (L.) Stapf

Material

a. scientificName: Hyparrhenia cymbaria (L.) Stapf; Kingdom: Plantae; Family: Poaceae; Genus: Hyparrhenia; Specific Epithet: cymbaria; Scientific Name Authorship: (L.) Stapf;
Continent: Africa; Country: Tanzania; State Province: Arusha; County: Ngorongoro; Locality: Ngorongoro;
minimumElevationInMeters: 2286; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1936-6; catalogNumber: K000984017; recordNumber: 119; recordedBy: Tosbrooke, J; Institution Code: K; Collection Code: Herbarium; Owner Institution Code: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Asia

Hyparrhenia dregeana (Nees) Stapf ex Stent

Material

a. scientificName: Hyparrhenia dregeana (Nees) Stapf ex Stent; Kingdom: Plantae; Family: Poaceae; Genus: Hyparrhenia; Specific Epithet: dregeana; Scientific Name Authorship: (Nees) Stapf ex Stent;
Continent: Africa; Country: Tanzania; State Province: Arusha; County: Ngorongoro; Locality: Ngorongoro Crater;
verbatimLocality: Ngorongoro crater; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-15; catalogNumber: K000984014; recordNumber: 1343; recordedBy: Heady, AF; Institution Code: K; Collection Code: Herbarium; Owner Institution Code: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia
**Hyparrhenia filipendula** (Hochst.) Stapf

**Materials**

a. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: filipendula; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Duma river air strip; decimalLatitude: -2.666667; decimalLongitude: 34.333333; eventDate: 1962-12-26; catalogNumber: K000765579; recordNumber: 10911; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: filipendula; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Tabora, Mile 46.6 from the Bolonongja river via Klein's camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000765598; recordNumber: 10128; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: filipendula; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Bolonongja river to Tabora river via Klein's camp Mile 25; minimumElevationInMeters: 1585; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1961-04-30; catalogNumber: K000765627; recordNumber: 10125; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

**Hyparrhenia finitima** (Hochst.) Andersson ex Stapf

**Material**

a. scientificName: *Hyparrhenia finitima* (Hochst.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: finitima; scientificNameAuthorship: (Hochst.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera Dam Paddock, Serengeti; minimumElevationInMeters: 1158; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-19; catalogNumber: K000984006; recordNumber: 10072; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa
**Hyparrhenia hirta** (L.) Stapf

**Materials**

a. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engitati Hill; verbatimLocality: W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1646; decimalLatitude: -3.133333; decimalLongitude: 35.55; eventDate: 1966-07-24; catalogNumber: K000984002; recordNumber: 12608; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1983-01-10; catalogNumber: K000984003; recordNumber: 2227; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater Rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: K000984004; recordNumber: 2745; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; minimumElevationInMeters: 1448; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1961-04-06; catalogNumber: K000984005; recordNumber: 9999; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater floor; minimumElevationInMeters: 1920; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-16; catalogNumber: K000984013; recordNumber: 1637; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
f. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 636; recordedNumber: s.n.; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
g. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa;
Hyparrhenia (Hochst. ex A.Rich.) Andersson ex Stapf papillipes

Materials

a. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engitati Hill; verbatimLocality: W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1646; decimalLatitude: -3.133333; decimalLongitude: 35.55; eventDate: 1966-07-24; catalogNumber: 1106; recordNumber: 12608; recordedBy: Greenway, PJ; Kanuri; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

b. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater Rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: 1107; recordNumber: 2745; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

c. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaai crater; verbatimLocality: On an inselberg three miles west of the Eastern boundary near the Engari Nanyuki headwaters; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: 1149; recordNumber: 182; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf

Materials

a. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: On an inselberg three miles west of the Eastern boundary near the Engari Nanyuki headwaters; minimumElevationInMeters: 1646; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-05; catalogNumber: K00984020; recordNumber: 10704; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K00984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K00984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf

Materials

a. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K00984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf

Materials

a. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K00984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf

Materials

a. scientificName: Hyparrhenia papillipes (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: Hyparrhenia; specificEpithet: papillipes; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K00984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Hyparrhenia pilgeriana C.E.Hubb

**Materials**

a. scientificName: *Hyparrhenia pilgeriana* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *pilgeriana*; scientificNameAuthorship: C.E.Hubb; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-07-18; catalogNumber: K000984022; recordNumber: 6185; recordedBy: Newbould, JB; institutionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *papillipes*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Conservation Area, top of northeast rim; minimumElevationInMeters: 1730; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1927-09-18; catalogNumber: K000984023; recordNumber: 494; recordedBy: Giemeisel, QL; Rephart, LW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa, Yemen & Madagascar

*Hyparrhenia pilgeriana* C.E.Hubb
**Hyparrhenia quarrei** Robyns

**Material**

a. scientificName: *Hyparrhenia quarrei* Robyns; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *quarrei*; scientificNameAuthorship: Robyns; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 637; recordNumber: 24309; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

**Hyparrhenia rufa** (Nees) Stapf

**Materials**

a. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; county: Mara; locality: Musabi; verbatimLocality: Mile 8, W. of Musabi; decimalLatitude: -2.23333; decimalLongitude: 34.46667; eventDate: 1962-04-20; catalogNumber: K000984008; recordNumber: 10619; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Beacon Area; verbatimLocality: S.W. Beacon Area; minimumElevationInMeters: 1524; decimalLatitude: -3.28333; decimalLongitude: 34.8; eventDate: 1962-03-27; catalogNumber: K000984009; recordNumber: 10554; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. Beacon Area; minimumElevationInMeters: 1524; decimalLatitude: -3.28333; decimalLongitude: 34.8; eventDate: 1962-03-27; catalogNumber: K000984009; recordNumber: 10554; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality:
Nyamakachowe; minimumElevationInMeters: 1189; decimalLatitude: -2.45; decimalLongitude: 34.55; eventDate: 1962-03-07; catalogNumber: K000984010; recordNumber: 10507; recordedBy: Greenway, PJ; Tanner, M; Allen, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Hyperthelia dissoluta** (Nees ex Steud.) Clayton

**Materials**

a. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984044; recordNumber: 9992; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Guard Post; verbatimLocality: From Kirawira Guard Post to Seronera on the return, Mile 95.1; minimumElevationInMeters: 1250; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1961-04-24; catalogNumber: K000984045; recordNumber: 10090; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: 34.96467; decimalLongitude: 3.23332; eventDate: 2012-06-17; catalogNumber: K000984056; recordNumber: 11846; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Ischaemum afrum** (J.F.Gmel.) Dandy

**Materials**

a. scientificName: *Ischaemum afrum* (J.F.Gmel.) Dandy; kingdom: Plantae; family: Poaceae; genus: *Ischaemum*; specificEpithet: *afrum*; scientificNameAuthorship: (J.F.Gmel.) Dandy; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: S.E. side; minimumElevationInMeters: 1524; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984056; recordNumber: 11846; recordedBy: Greenway, PJ; Kanuri;
**Ischaemum afrum** (J.F.Gmel.) Dandy; kingdom: Plantae; family: Poaceae; genus: *Ischaemum*; specificEpithet: *afrum*; scientificNameAuthorship: (J.F.Gmel.) Dandy; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro CA;verbatimLocality: Ngorongoro conservation area, Noiti volcanic lahar, alkaline rocks area.; minimumElevationInMeters: 1800; decimalLatitude: -3.210833; decimalLongitude: 35.220556; eventDate: 2004-07-02; catalogNumber: 1151; recordNumber: EN729; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & India

**Leersia sp.**

**Material**

a. scientificName: *Leersia*; kingdom: Plantae; family: Poaceae; genus: *Leersia*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, Shore of Lake Ngorotok.; minimumElevationInMeters: 1752; decimalLatitude: -3.21029; decimalLongitude: 35.60078; eventDate: 2012-06-19; catalogNumber: 640; recordNumber: 24323; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Leersia denudata** Launert

**Materials**

a. scientificName: *Leersia denudata* Launert; kingdom: Plantae; family: Poaceae; genus: *Leersia*; specificEpithet: *denudata*; scientificNameAuthorship: Launert; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater;verbatimLocality: Crater floor.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1966-10-10; catalogNumber: 785; recordNumber: E25; recordedBy: Gilbert, VC; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Leersia denudata* Launert; kingdom: Plantae; family: Poaceae; genus: *Leersia*; specificEpithet: *denudata*; scientificNameAuthorship: Launert; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Floor. Munge swamp N. W. Ngorongoro.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1966-07-14; catalogNumber: 786; recordNumber: 12570; recordedBy: Greenway, PJ; Kanuri, K; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa
**Leersia hexandra** Sw.

**Material**

- **scientificName**: *Leersia hexandra* Sw.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Leersia*; **specificEpithet**: *hexandra*; **scientificNameAuthorship**: Sw.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Ngorongoro Crater; **verbatimLocality**: Near Fig-Tree kopje; **minimumElevationInMeters**: 1676; **decimalLatitude**: -3.16667; **decimalLongitude**: 35.58333; **eventDate**: 1963-1; **catalogNumber**: K001087151; **recordNumber**: 6523; **recordedBy**: Newbould, JB; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

**Distribution**: Widespread

**Loudetia sp.**

**Material**

- **scientificName**: *Loudetia*; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Loudetia*; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Serengeti Research Centre; **verbatimLocality**: T1. Serengeti Research Centre.; **minimumElevationInMeters**: 1550; **decimalLatitude**: -2.38; **decimalLongitude**: 34.85; **eventDate**: 2004-02-09; **catalogNumber**: 643; **recordNumber**: s.n.; **recordedBy**: Mboya, E; **institutionCode**: MO; **collectionCode**: Herbarium; **ownerInstitutionCode**: MO; **basisOfRecord**: PreservedSpecimen

**Loudetia arundinacea** (Hochst. ex A.Rich.) Hochst. ex Steud.

**Materials**

- **scientificName**: *Loudetia arundinacea* (Hochst. ex A.Rich.) Hochst. ex Steud.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Loudetia*; **specificEpithet**: *arundinacea*; **scientificNameAuthorship**: (Hochst. ex A.Rich.) Hochst. ex Steud.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Kirawira; **verbatimLocality**: Mile 55 from Seronera to Kirawira Guard Post; **minimumElevationInMeters**: 1219; **decimalLatitude**: -2.16667; **decimalLongitude**: 34.15; **eventDate**: 1961-04-24; **catalogNumber**: K000984070; **recordNumber**: 10087; **recordedBy**: Greenway, PJ; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen
- **scientificName**: *Loudetia arundinacea* (Hochst. ex A.Rich.) Hochst. ex Steud.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Loudetia*; **specificEpithet**: *arundinacea*; **scientificNameAuthorship**: (Hochst. ex A.Rich.) Hochst. ex Steud.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Mbuzi Mare camp; **verbatimLocality**: Serengeti National Park, near Mbuzi Mare camp.; **minimumElevationInMeters**: 1552; **decimalLatitude**: -2.23332; **decimalLongitude**: 34.96467; **eventDate**: 2012-06-17; **catalogNumber**: 642; **recordNumber**: 24282; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; **basisOfRecord**: PreservedSpecimen
Distribution: Tropical Africa

**Loudetia kagerensis** (K.Schum.) C.E.Hubb

**Materials**

a. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kampi ya po-fu; minimumElevationInMeters: 1768; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1968-02-28; catalogNumber: K000984067; recordNumber: 13347; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984068; recordNumber: 9991; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from the Bolgonja River via Kleins Camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000984069; recordNumber: 10133; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyamakachowe Hill; decimalLatitude: 34.633333; eventDate: 1958-04-28; catalogNumber: K000984071; recordNumber: 397; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Melinis sp.**

**Material**

a. scientificName: *Melinis*; kingdom: Plantae; family: Poaceae; genus: *Melinis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: *Serengeti National Park*; verbatimLocality: T1. *Serengeti National Park*.; minimumElevationInMeters: 1466; decimalLatitude: -2.36; decimalLongitude: 34.5; eventDate: 2004-03-06; catalogNumber: 645; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
Melinis repens (Willd.) Zizka

Material

a. scientificName: Melinis repens (Willd.) Zizka; kingdom: Plantae; family: Poaceae; genus: Melinis; specificEpithet: repens; scientificNameAuthorship: (Willd.) Zizka; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 644; recordNumber: s.n.; recordedBy: Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Microchloa kunthii Desv.

Materials

a. scientificName: Microchloa kunthii Desv.; kingdom: Plantae; family: Poaceae; genus: Microchloa; specificEpithet: kunthii; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1 Seronera Serengeti.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1963-12-14; catalogNumber: DB0225; recordNumber: 12969; recordedBy: Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: Microchloa kunthii Desv.; kingdom: Plantae; family: Poaceae; genus: Microchloa; specificEpithet: kunthii; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1 Seronera Serengeti.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1963-12-14; catalogNumber: 316; recordNumber: 12969; recordedBy: Tanner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

c. scientificName: Microchloa kunthii Desv.; kingdom: Plantae; family: Poaceae; genus: Microchloa; specificEpithet: kunthii; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 646; recordNumber: 710; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

d. scientificName: Microchloa kunthii Desv.; kingdom: Plantae; family: Poaceae; genus: Microchloa; specificEpithet: kunthii; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili-Esere.; verbatimLocality: Ngorongoro Conservation Area, Olbili-Esere.; minimumElevationInMeters: 1600; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-01-23; catalogNumber: 647; recordNumber: 1016; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

e. scientificName: Microchloa kunthii Desv.; kingdom: Plantae; family: Poaceae; genus: Microchloa; specificEpithet: kunthii; scientificNameAuthorship: Desv.; continent: Africa;
Odyssea paucinervis (Nees) Stapf

Materials

a. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Arusha*; county: *Ngorongoro*; locality: *Lake Magadi*; verbatimLocality: *Ngorongoro Conservation Area, W side of Lake Magadi.*; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.96467; eventDate: 2012-06-17; catalogNumber: 649; recordNumber: 24288; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Arusha*; county: *Ngorongoro*; locality: *Lake Magadi*; verbatimLocality: *Ngorongoro crater, Lake Magadi (soda lake).*; minimumElevationInMeters: 1545; decimalLatitude: -3.18333; decimalLongitude: 35.53333; eventDate: 1966-09-10; catalogNumber: K001087154; recordNumber: E40; recordedBy: Gilbert, VC; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Arusha*; county: *Ngorongoro*; locality: *Lake Magadi*; verbatimLocality: *East side of Lake Magadi, Ngorongoro crater floor.*; minimumElevationInMeters: 1661; decimalLatitude: -3.18333; decimalLongitude: 35.53333; eventDate: 1966-07-14; catalogNumber: K001087152; recordNumber: 12576; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: *Africa*; country: *Tanzania*; stateProvince: *Arusha*; county: *Ngorongoro*; locality: *Lake Magadi*; verbatimLocality: *Mara*; minimumElevationInMeters: 1661; decimalLatitude: -3.17713; decimalLongitude: 35.96467; eventDate: 2012-06-19; catalogNumber: 648; recordNumber: 24255; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

Distribution: Widespread

*Odyssea paucinervis* (Nees) Stapf

Materials
Lake Magadi; verbatimLocality: East side of Lake Magadi, Ngorongoro crater floor.;
minimumElevationInMeters: 1661; decimalLatitude: -3.183333; decimalLongitude: 35.533333;
eventDate: 1966-07-14; catalogNumber: K001087153; recordNumber: 12576;
recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium;
ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: Odyssea paucinervis (Nees) Stapf; kingdom: Plantae; family: Poaceae;
genus: Odyssea; specificEpithet: paucinervis; scientificNameAuthorship: (Nees) Stapf;
continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: West side of Lake Magadi, Ngorongoro crater floor.;
minimumElevationInMeters: 1661; decimalLatitude: -3.183333; decimalLongitude: 35.533333;
eventDate: 1966-07; catalogNumber: K001087155; recordNumber: 13597;
recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium;
ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Southern Africa

Oldeania alpina (K.Schum.) Stapleton

Nomenclature:
Arundinaria alpina K.Schum.

Materials

a. scientificName: Arundinaria alpina K.Schum.; kingdom: Plantae; family: Poaceae; genus:
Arundinaria; specificEpithet: alpina; scientificNameAuthorship: K.Schum.; continent:
Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Whole south and south east side of the mountain to the crater rim and part of the crater wall.; minimumElevationInMeters: 2896;
maximumElevationInMeters: 3185; decimalLatitude: -3.266667; decimalLongitude: 35.433333;
eventDate: 1932-09-23; catalogNumber: K001087114; recordNumber: 4223;
recordedBy: Burtt, BD; institutionCode: K; collectionCode: Herbarium;
ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Arundinaria alpina K.Schum.; kingdom: Plantae; family: Poaceae; genus:
Arundinaria; specificEpithet: alpina; scientificNameAuthorship: K.Schum.; continent:
Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation Area, Oldean Mountain; minimumElevationInMeters: 2439; decimalLatitude: -3.266667; decimalLongitude: 35.433333;
eventDate: 1988-10-21; catalogNumber: K001087113; recordNumber: 2679;
recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium;
ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa
**Oplismenus compositus** (L.) P.Beauv.

**Material**

- scientificName: *Oplismenus compositus* (L.) P.Beauv.;
- kingdom: Plantae;
- family: Poaceae;
- genus: *Oplismenus*;
- specificEpithet: *compositus*;
- scientificNameAuthorship: (L.) P.Beauv.;
- continent: Africa;
- country: Tanzania;
- stateProvince: Mara;
- county: Serengeti;
- locality: Bolgonja;
- verbatimLocality: T1, Bologonja River;
- minimumElevationInMeters: 1440;
- decimalLatitude: -1.783333;
- decimalLongitude: 35.2;
- eventDate: 1962-08-18;
- catalogNumber: DB0232;
- recordNumber: 10754;
- recordedBy: Greenway, PJ;
- institutionCode: SWRC;
- collectionCode: Herbarium;
- ownerInstitutionCode: SWRC;
- basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Oplismenus hirtellus** (L.) P.Beauv.

**Material**

- scientificName: *Oplismenus hirtellus* (L.) P.Beauv.;
- kingdom: Plantae;
- family: Poaceae;
- genus: *Oplismenus*;
- specificEpithet: *hirtellus*;
- scientificNameAuthorship: (L.) P.Beauv.;
- continent: Africa;
- country: Tanzania;
- stateProvince: Mara;
- county: Serengeti;
- locality: Serengeti National Park;
- verbatimLocality: Serengeti National Park, Kirawin;
- decimalLatitude: -2.333333;
- decimalLongitude: 34.833333;
- eventDate: 1965-04-27;
- catalogNumber: DB0238;
- recordNumber: 4657;
- recordedBy: Vesey-FitzGerald, LDEF;
- institutionCode: SWRC;
- collectionCode: Herbarium;
- ownerInstitutionCode: SWRC;
- basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Oropetium capense** Stapf

**Material**

- scientificName: *Oropetium capense* Stapf;
- kingdom: Plantae;
- family: Poaceae;
- genus: *Oropetium*;
- specificEpithet: *capense*;
- scientificNameAuthorship: Stapf;
- continent: Africa;
- country: Tanzania;
- stateProvince: Mara;
- county: Serengeti;
- locality: Seronera;
- verbatimLocality: T1, Seronera, Serengeti;
- minimumElevationInMeters: 1530;
- decimalLatitude: -2.45;
- decimalLongitude: 34.833333;
- eventDate: 1961-03-20;
- catalogNumber: DB0241;
- recordNumber: 9854;
- recordedBy: Greenway, PJ;
- institutionCode: SWRC;
- collectionCode: Herbarium;
- ownerInstitutionCode: SWRC;
- basisOfRecord: PreservedSpecimen

**Distribution:** Africa & Arabia
**Oryza eichingeri** Peter

**Material**

a. scientificName: *Oryza eichingeri* Peter; kingdom: Plantae; family: Poaceae; genus: *Oryza*; specificEpithet: eichingeri; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Serengeti National Park Nyamburi; minimumElevationInMeters: 1500; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1973-11-04; catalogNumber: DB0246; recordNumber: 7591; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Sri Lanka

**Panicum** sp.

**Materials**

a. scientificName: *Panicum*; kingdom: Plantae; family: Poaceae; genus: *Panicum*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; verbatimLocality: Moru Kapjes area; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1969-02-27; catalogNumber: DB0405; recordNumber: 26; recordedBy: Braun, HMH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Panicum*; kingdom: Plantae; family: Poaceae; genus: *Panicum*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Along the road from Muguma to Musoma on the Serengeti Plains at Nyichoka village.; minimumElevationInMeters: 1460; eventDate: 1992-02-20; catalogNumber: 1125; recordNumber: 1146; recordedBy: Macha; Leliyo, G; Mboya, EJ; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Panicum atrosanguineum** Hochst. ex A.Rich.

**Materials**

a. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endoinyo Emboleh; verbatimLocality: Olbalbal Escarpment; minimumElevationInMeters: 1829; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1963-2; catalogNumber: K000984144; recordNumber: 6569; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1890; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1987-04-29; catalogNumber: K000984146; recordNumber: 2586; recordedBy:
scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: N.W. side of Lake Lagarja; minimumElevationInMeters: 1219; decimalLatitude: -2.45; decimalLongitude: 34.83333; eventDate: 1962-04-20; catalogNumber: K000984148; recordNumber: 10621; recordedBy: Greenway, PJ; Tanner, M; Watson; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Kitu Hill; verbatimLocality: Duma river - Mamerehe Guard Post, S.E. of Kitu Hill; minimumElevationInMeters: 1219; decimalLatitude: -2.45; decimalLongitude: 34.83333; eventDate: 1962-04-20; catalogNumber: K000984148; recordNumber: 10621; recordedBy: Greenway, PJ; Tanner, M; Watson; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Naabi south Serengeti Plains; decimalLatitude: -2.33333; decimalLongitude: 34.83333; eventDate: 1972-03-16; catalogNumber: DB0250; recordNumber: 128; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 9 km south -east of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.33333; decimalLongitude: 34.83333; eventDate: 1969-03-26; catalogNumber: DB0251; recordNumber: 270; recordedBy: Brown, HM; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 9 km south -east of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.33333; decimalLongitude: 34.83333; eventDate: 1969-03-26; catalogNumber: 323; recordNumber: 270; recordedBy: Brown, HM; institutionCode: WAG; collectionCode: Herbarium; ownerInstitutionCode: WAG; basisOfRecord: PreservedSpecimen

h. scientificName: *Panicum atrosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atrosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Kitu Hill; verbatimLocality: Duma river - Mamerehe Guard Post, S.E. of Kitu Hill; minimumElevationInMeters: 1219; decimalLatitude: -2.45; decimalLongitude: 34.316667; eventDate: 1962-04-20; catalogNumber: DB0252; recordNumber: 10621; recordedBy: Greenway, PJ; Tanner, M; Watson; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
**Panicum atrosanguineum** Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: T1, N. of lake Magadi on the Seronera track.; minimumElevationInMeters: 1380; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1961-04-20; catalogNumber: DB0253; recordNumber: 10081; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Panicum atrosanguineum** Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: 10 km north of lake Lagarje; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1981-04-10; catalogNumber: DB0254; recordNumber: 79; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Panicum atrosanguineum** Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Naabi south Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-16; catalogNumber: DB0378; recordNumber: 128; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Panicum atrosanguineum** Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: atrosanguineum; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: ca. 5km from the Serengeti National Park boundary towards the west. Near Robanda hill. 36M, 0689110, 97634640UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1124; recordNumber: 858A; recordedBy: Mollek, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Panicum calvum** Stapf

**Material**

a. **scientificName:** Panicum calvum Stapf; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: calvum; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: 3 km from Crater view point; minimumElevationInMeters: 2250; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-01-24; catalogNumber: K000984152; recordNumber: 89038C; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa
Panicum chionachne Mez

Materials

a. scientificName: Panicum chionachne Mez; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: chionachne; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater east rim; minimumElevationInMeters: 2460; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-11-13; catalogNumber: DB0267; recordNumber: 7606; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: Panicum chionachne Mez; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: chionachne; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, Inside east rim elevation.; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: DB0268; recordNumber: 181; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: Panicum chionachne Mez; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: chionachne; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, Inside east rim elevation.; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: 329; recordNumber: 181; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Panicum coloratum L.

Nomenclature:

Panicum coloratum L. var. minus Stapf ex Chiov.

Materials

a. scientificName: Panicum coloratum L.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: coloratum; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: E. of Serengeti; minimumElevationInMeters: 1585; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-23; catalogNumber: K000984132; recordNumber: 208; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Panicum coloratum L.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: coloratum; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15;
catalogNumber: K000984135; recordNumber: 10187; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi; verbatimLocality: N.W. of Naabi; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1958-04-24; catalogNumber: K000984136; recordNumber: 369; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: near Kakesio; minimumElevationInMeters: 1600; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-28; catalogNumber: K000984137; recordNumber: 2583; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: south of Lake Magadi, Mile 10.6 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: K000984138; recordNumber: 10505; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
f. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: South of Lake Magadi, Mile 10.6 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: DB0276; recordNumber: 10505; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
g. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Naabi Hill (North) Serengeti Plains.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1972-03-22; catalogNumber: DB0277; recordNumber: 228; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
h. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Simba North Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-17; catalogNumber: DB0278; recordNumber: 166; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
i. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge;
**scientificName**: *Panicum coloratum* L.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Panicum*; **specificEpithet**: *coloratum*; **scientificNameAuthorship**: L.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Serengeti Research Institute; **verbatimLocality**: SRI Compound; **decimalLatitude**: -2.433333; **decimalLongitude**: 34.85; **eventDate**: 1981-05-11; **catalogNumber**: DB0280; **recordNumber**: 212; **recordedBy**: Belsky, PJ; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

**verbatimLocality**: 15 km south of Lobo Lodge; **decimalLatitude**: -2.116667; **decimalLongitude**: 35.166667; **eventDate**: 1981-5; **catalogNumber**: DB0279; **recordNumber**: 237; **recordedBy**: Belsky, PJ; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

**scientificName**: *Panicum coloratum* L.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Panicum*; **specificEpithet**: *coloratum*; **scientificNameAuthorship**: L.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Mara; **county**: Serengeti; **locality**: Serengeti; **verbatimLocality**: W. of Seronera, Serengeti; **minimumElevationInMeters**: 1463; **decimalLatitude**: -2.45; **decimalLongitude**: 34.833333; **eventDate**: 1961-05-15; **catalogNumber**: DB0281; **recordNumber**: 10187; **recordedBy**: Greenway, PJ; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

**verbatimLocality**: SRI Compound; **decimalLatitude**: -2.433333; **decimalLongitude**: 34.85; **eventDate**: 1981-05-11; **catalogNumber**: DB0282; **recordNumber**: 244; **recordedBy**: Belsky, PJ; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

**verbatimLocality**: SRI compound; **decimalLatitude**: -2.433333; **decimalLongitude**: 34.833333; **eventDate**: 1961-03-20; **catalogNumber**: DB0283; **recordNumber**: 9862; **recordedBy**: Greenway, PJ; **institutionCode**: SWRC; **collectionCode**: Herbarium; **ownerInstitutionCode**: SWRC; **basisOfRecord**: PreservedSpecimen

**verbatimLocality**: 15 km south of Lobo Lodge; **decimalLatitude**: -2.883333; **decimalLongitude**: 35.033333; **eventDate**: 1962-03-15; **catalogNumber**: K000984133; **recordNumber**: 10529; **recordedBy**: Greenway, PJ; **Tanner, M; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen

**verbatimLocality**: 15 km south of Lobo Lodge; **decimalLatitude**: -2.883333; **decimalLongitude**: 35.033333; **eventDate**: 1962-03-15; **catalogNumber**: K000984133; **recordNumber**: 10529; **recordedBy**: Greenway, PJ; **Tanner, M; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; **basisOfRecord**: PreservedSpecimen
Panicum coloratum L. var. minus Stapf ex Chiov.

**Family:** Poaceae  
**Genus:** Panicum  
**Specific Epithet:** coloratum  
**Infraspecific Epithet:** minus  
**Scientific Name Authorship:** Stapf ex Chiov.  
**Continent:** Africa  
**Country:** Tanzania  
**State Province:** Arusha  
**County:** Ngorongoro  
**Locality:** Kambi ya Nyoka  
**Decimal Latitude:** -3.3  
**Decimal Longitude:** 35.583333  
**Event Date:** 1989-01-21  
**Catalog Number:** K000984134  
**Record Number:** 89033  
**Recorded By:** Pocs, T; Chuwa, S  
**Institution Code:** K  
**Collection Code:** Herbarium  
**Owner Institution Code:** K  
**Basis Of Record:** Preserved Specimen

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**Distribution:** Widespread

**Panicum commutatum** Schult.

**Nomenclature:**

*Panicum joorii* Vasey

**Materials**

a.  
**Scientific Name:** Panicum joorii Vasey  
**Kingdom:** Plantae  
**Family:** Poaceae  
**Genus:** Panicum  
**Specific Epithet:** joorii  
**Scientific Name Authorship:** Vasey  
**Continent:** Africa  
**State Province:** Shinyanga  
**Locality:** Naabi Hill Gate  
**verbatim Locality:** Central plains, N.E. of Naabi hill  
**Minimum Elevation In Meters:** 1646  
**Decimal Latitude:** -2.883333  
**Decimal Longitude:** 35.033333  
**Event Date:** 1962-03-15  
**Catalog Number:** DB0399  
**Record Number:** 10529  
**Recorded By:** Greenway, PJ; Tanner, M  
**Institution Code:** SWRC  
**Collection Code:** Herbarium  
**Owner Institution Code:** SWRC  
**Basis Of Record:** Preserved Specimen

b.  
**Scientific Name:** Panicum joorii Vasey  
**Kingdom:** Plantae  
**Family:** Poaceae  
**Genus:** Panicum  
**Specific Epithet:** joorii  
**Scientific Name Authorship:** Vasey  
**Continent:** Africa  
**State Province:** Shinyanga  
**Locality:** Naabi Hill Gate  
**verbatim Locality:** Serengeti National Park, Naabi Hill Gate (at 0.5 km N).  
**Minimum Elevation In Meters:** 1734  
**Decimal Latitude:** -2.83139  
**Decimal Longitude:** 34.99672  
**Event Date:** 2012-06-16  
**Catalog Number:** 652  
**Record Number:** 24263  
**Recorded By:** Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F  
**Institution Code:** US  
**Collection Code:** Herbarium  
**Owner Institution Code:** US  
**Basis Of Record:** Preserved Specimen

c.  
**Scientific Name:** Panicum joorii Vasey  
**Kingdom:** Plantae  
**Family:** Poaceae  
**Genus:** Panicum  
**Specific Epithet:** joorii  
**Scientific Name Authorship:** Vasey  
**Continent:** Africa  
**State Province:** Shinyanga  
**Locality:** Naabi Hill Gate  
**verbatim Locality:** Serengeti National Park, at 12 km NW of Naabi Hill Gate.  
**Minimum Elevation In Meters:** 1651  
**Decimal Latitude:** -2.73597  
**Decimal Longitude:** 34.95284  
**Event Date:** 2012-06-16  
**Catalog Number:** 654  
**Record Number:** 24278  
**Recorded By:** Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F  
**Institution Code:** US  
**Collection Code:** Herbarium  
**Owner Institution Code:** US  
**Basis Of Record:** Preserved Specimen
Distribution: North & South America

*Panicum deustum* Thunb.

Materials

- **a.** scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: deustum; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0296; recordNumber: 522; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- **b.** scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: deustum; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-12; catalogNumber: DB0297; recordNumber: 418; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- **c.** scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: deustum; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0298; recordNumber: 523; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- **d.** scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: deustum; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera Kopjes; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1971-06-22; catalogNumber: DB0304; recordNumber: s.n.; recordedBy: Unknown; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- **e.** scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: deustum; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 651; recordNumber: 24311; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Afghanistan
**Panicum humile** Steud.

**Nomenclature:**

**Panicum watense** Mez

**Material**

a. scientificName: *Panicum watense* Mez; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *watense*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 658; recordNumber: 24304; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Panicum hygrocharis** Steud.

**Materials**

a. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: below Sid Downeys Dam; minimumElevationInMeters: 1432; decimalLatitude: -2.43333; decimalLongitude: 34.81667; eventDate: 1962-04-15; catalogNumber: K000984139; recordNumber: 10599; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Munge Swamp; verbatimLocality: N. W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1661; decimalLatitude: -3.08333; decimalLongitude: 35.66667; eventDate: 1966-07-14; catalogNumber: K000984140; recordNumber: 12573; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 15.3; minimumElevationInMeters: 1585; decimalLatitude: -2.6; decimalLongitude: 34.98333; eventDate: 1961-06-03; catalogNumber: K000984141; recordNumber: 10354; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lerai stream;
verbatimLocality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.216667; decimalLongitude: 35.5; eventDate: 1962-07-31; catalogNumber: K000984142; recordNumber: 6252; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Panicum hymeniochilum* Nees; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hymeniochilum*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: below Sid Downeys Dam; minimumElevationInMeters: 1432; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1962-04-15; catalogNumber: DB0401; recordNumber: 10599; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 15.3; minimumElevationInMeters: 1585; decimalLatitude: -2.6; decimalLongitude: 34.983333; eventDate: 1961-06-03; catalogNumber: DB0400; recordNumber: 10354; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1500; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1965-07-27; catalogNumber: DB0396; recordNumber: 4770; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

h. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-04; catalogNumber: DB0391; recordNumber: 321; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Panicum hymeniochilum** Nees

Material

a. scientificName: *Panicum hymeniochilum* Nees; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hymeniochilum*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation area, Oldean Mountain; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1983-04-19; catalogNumber: K000984145; recordNumber: 2471; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
**Distribution:** Tropical Africa

*Panicum infestum* Andersson

**Material**

a. scientificName: *Panicum infestum* Andersson; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *infestum*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Serengeti National Park. Kirawira; decimalLatitude: 34.15; eventDate: 1965-04-27; catalogNumber: DB0320; recordNumber: 4658; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

*Panicum massaiense* Stapf

**Materials**

a. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. Beacon area; minimumElevationInMeters: 1524; decimalLatitude: -2.083333; decimalLongitude: 34.333333; eventDate: 1962-03-27; catalogNumber: K000984149; recordNumber: 10551; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.W. of Naabi Hill; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1958-05-03; catalogNumber: K000984150; recordNumber: 417; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; verbatimLocality: Mbono and Simiyu river junctions; minimumElevationInMeters: 1387; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: K000984151; recordNumber: 10371; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; verbatimLocality: Mbono and Simiyu river junctions; minimumElevationInMeters: 1387; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: DB0330; recordNumber: 10371; recordedBy: Greenway, PJ; Tanner, M; institutionCode:
**Panicum massaiense** Stapf.

**Scientific Name:** Panicum massaiense Stapf.

**Kingdom:** Plantae;

**Family:** Poaceae;

**Genus:** Panicum;

**Specific Epithet:** massaiense;

**Scientific Name Authorship:** Stapf.

**County:** Tanzania;

**State Province:** Shinyanga;

**Locality:** Beacon Area;

**Minimum Elevation In Meters:** 1524;

**Decimal Latitude:** -2.083333;

**Decimal Longitude:** 34.333333;

**Event Date:** 1962-03-27;

**Catalog Number:** DB0373;

**Record Number:** 10551;

**Recorded By:** Greenway, PJ; Tanner, M; Harvey, G;

**Institution Code:** SWRC;

**Collection Code:** Herbarium;

**Owner Institution Code:** SWRC;

**Basis Of Record:** Preserved Specimen

**Distribution:** Tropical Africa

**Panicum maximum** Jacq.

**Nomenclature:**

*Megathyrsus maximus* (Jacq.) B.K.Simon & S.W.L.Jacobs

**Materials**

a. **Scientific Name:** Megathyrsus maximus (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Kingdom:** Plantae;

**Family:** Poaceae;

**Genus:** Megathyrsus;

**Specific Epithet:** maximus;

**Scientific Name Authorship:** (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Continent:** Africa;

**Country:** Tanzania;

**State Province:** Mara;

**County:** Serengeti;

**Locality:** Bolgonja;

**Decimal Latitude:** -1.783333;

**Decimal Longitude:** 35.2;

**Event Date:** 1972-04-11;

**Catalog Number:** DB0344;

**Record Number:** 371;

**Recorded By:** Schmidt, W;

**Institution Code:** SWRC;

**Collection Code:** Herbarium;

**Owner Institution Code:** SWRC;

**Basis Of Record:** Preserved Specimen

b. **Scientific Name:** Megathyrsus maximus (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Kingdom:** Plantae;

**Family:** Poaceae;

**Genus:** Megathyrsus;

**Specific Epithet:** maximus;

**Scientific Name Authorship:** (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Continent:** Africa;

**Country:** Tanzania;

**State Province:** Mara;

**County:** Serengeti;

**Locality:** Serengeti Research Institute;

**Decimal Latitude:** -2.433333;

**Decimal Longitude:** 34.85;

**Event Date:** 1980-01-21;

**Catalog Number:** DB0345;

**Record Number:** 5;

**Recorded By:** Belsky, PJ;

**Institution Code:** SWRC;

**Collection Code:** Herbarium;

**Owner Institution Code:** SWRC;

**Basis Of Record:** Preserved Specimen

c. **Scientific Name:** Megathyrsus maximus (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Kingdom:** Plantae;

**Family:** Poaceae;

**Genus:** Megathyrsus;

**Specific Epithet:** maximus;

**Scientific Name Authorship:** (Jacq.) B.K.Simon & S.W.L.Jacobs;

**Continent:** Africa;

**Country:** Tanzania;

**State Province:** Mara;

**County:** Serengeti;

**Locality:** Serengeti, Sri Airstrip (Serengeti Research Institute);

**Decimal Latitude:** -2.45;

**Decimal Longitude:** 34.833333;

**Event Date:** 1981-05-15;

**Catalog Number:** DB0346;

**Record Number:** 226;

**Recorded By:** Belsky, PJ;

**Institution Code:** SWRC;

**Collection Code:** Herbarium;

**Owner Institution Code:** SWRC;

**Basis Of Record:** Preserved Specimen

d. **Scientific Name:** Panicum maximum Jacq.;

**Kingdom:** Plantae;

**Family:** Poaceae;

**Genus:** Panicum;

**Specific Epithet:** maximum;

**Scientific Name Authorship:** Jacq.;

**Continent:** Africa;

**Country:** Tanzania;

**State Province:** Arusha;

**County:** Ngorongoro;

**Locality:** Ngorongoro Conservation Area, Ngorongoro*;

**Minimum Elevation In Meters:** 1800;

**Decimal Latitude:** -3.2;

**Decimal Longitude:** 35.2;

**Event Date:** 1993-08-19;

**Catalog Number:** 655;

**Record Number:** 817;

**Recorded By:** Ellemann,
L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
e. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 656; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
f. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 657; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
g. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Naibardad Hill; verbatimLocality: South Serengeti; minimumElevationInMeters: 1798; decimalLatitude: -3.116667; decimalLongitude: 35.1; eventDate: 1962-12-22; catalogNumber: K000765296; recordNumber: 6434; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
h. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000765311; recordNumber: 9981; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
i. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: DB0343; recordNumber: 9981; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
j. scientificName: Panicum maximum Jacq.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: maximum; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ngamuriak; verbatimLocality: East Serengeti.; minimumElevationInMeters: 1981; eventDate: 1962-11-21; catalogNumber: K000765310; recordNumber: 6279; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread
**Panicum monticola** Hook.f.

**Materials**

a. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: K000984153; recordNumber: 154; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: DB0261; recordNumber: 154; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1159; recordNumber: 154; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

d. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1160; recordNumber: 154; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

**Panicum poioides** Stapf

**Nomenclature:**

*Panicum graciliculme* Napper

**Materials**

**Isotypes:**

a. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera;
b. scientificName: Panicum graciliculme Napper; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: graciliculme; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: PRE0591637-0; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

c. scientificName: Panicum graciliculme Napper; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: graciliculme; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: NY00414078; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: NY; collectionCode: Herbarium; ownerInstitutionCode: NY; basisOfRecord: PreservedSpecimen

d. scientificName: Panicum graciliculme Napper; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: graciliculme; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: US00731055; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

e. scientificName: Panicum graciliculme Napper; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: graciliculme; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: PRE0031839-0; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

Other materials:

a. scientificName: Panicum graciliculme Napper; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: graciliculme; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB00374; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: Panicum pooides Stapf; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: pooides; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti;
decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-10; catalogNumber: DB0369; recordNumber: 323; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
c. scientificName: Panicum poioides Stapf; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: poioides; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1470; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1960-01-24; catalogNumber: DB0375; recordNumber: 247; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
d. scientificName: Panicum poioides Stapf; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: poioides; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serenonera; verbatimLocality: Near small Kopje, west of Seronera offices and workshops; minimumElevationInMeters: 1470; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-03-21; catalogNumber: DB0376; recordNumber: 269; recordedBy: Hubert, MHB; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
e. scientificName: Panicum poioides Stapf; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: poioides; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serenonera; minimumElevationInMeters: 1470; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-03-09; catalogNumber: DB0377; recordNumber: 264; recordedBy: Hubert, MHB; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Panicum repens L.

Materials

a. scientificName: Panicum repens L.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: repens; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation Area, Oldean Mountain; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1988-10-21; catalogNumber: K000984143; recordNumber: 2678; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
b. scientificName: Panicum repens L.; kingdom: Plantae; family: Poaceae; genus: Panicum; specificEpithet: repens; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-15; catalogNumber: DB0382; recordNumber: 1094; recordedBy: Suleiman, HO; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Widespread
**Paspalidium geminatum** (Forssk.) Stapf

**Nomenclature:**

*Setaria geminata* (Forssk.) Veldkamp

**Materials**

a. scientificName: *Paspalidium geminatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Paspalidium*; specificEpithet: *geminatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi Mgungu river; minimumElevationInMeters: 1320; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: DB0456; recordNumber: 10348; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Paspalidium geminatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Paspalidium*; specificEpithet: *geminatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi Mgungu river; minimumElevationInMeters: 1320; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K001087172; recordNumber: 10348; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Paspalum scrobiculatum** L.

**Nomenclature:**

*Paspalum commersonii* Lam.

**Material**

a. scientificName: *Paspalum commersonii* Lam.; kingdom: Plantae; family: Poaceae; genus: *Paspalum*; specificEpithet: *commersonii*; scientificNameAuthorship: Lam.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: K000984121; recordNumber: 10744; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Pennisetum sp.**

**Material**

a. scientificName: *Pennisetum*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kelogi; verbatimLocality: Ngorongoro Conservation Area, Kelogi;
Pennisetum clandestinum Hochst. ex Chiov.

Nomenclature:

Cenchrus clandestinus (Hochst. ex Chiov.) Morrone

Materials

a. scientificName: Pennisetum clandestinum Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: clandestinum; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 659; recordNumber: 715; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Pennisetum clandestinum Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: clandestinum; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2400; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-08-05; catalogNumber: 660; recordNumber: 774; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

c. scientificName: Pennisetum clandestinum Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: clandestinum; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2400; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-08-29; catalogNumber: 661; recordNumber: 833; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

d. scientificName: Pennisetum clandestinum Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: clandestinum; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Entim e Rotian, close to Rhino-lodge.; minimumElevationInMeters: 2200; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-08-29; catalogNumber: 662; recordNumber: 863; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

e. scientificName: Pennisetum clandestinum Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: clandestinum; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 663; recordNumber: 944; recordedBy:
Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

f. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; stateProvince: Tanzania; county: Arusha; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian; verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 910b; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

g. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; stateProvince: Tanzania; county: Arusha; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai crater, top of east rim.; minimumElevationInMeters: 2600; decimalLatitude: -2.93333; decimalLongitude: 35.816667; eventDate: 1973-03-17; catalogNumber: K000766339; recordNumber: 103; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; stateProvince: Tanzania; county: Arusha; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai crater, top of east rim.; minimumElevationInMeters: 2600; decimalLatitude: -2.93333; decimalLongitude: 35.816667; eventDate: 1973-03-17; catalogNumber: DB0422; recordNumber: 103; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Native to Eastern Africa, introduced widely

*Pennisetum mezianum* Leeke

**Materials**

a. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; stateProvince: Tanzania; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopja, Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB0432; recordNumber: 17; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; stateProvince: Tanzania; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti National Park. Serengeti Research Institute compound; decimalLatitude: -2.43333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB0429; recordNumber: 172; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
c. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Near Naabi Hill; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1974-01-07; catalogNumber: DB0428; recordNumber: 229; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbali-balal; verbatimLocality: Ngorongoro Conservation Area, Olbali-balal west of the swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1993-12-10; catalogNumber: 665; recordNumber: 985; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

e. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili-Esere; verbatimLocality: Ngorongoro Conservation Area, Olbili-Esere.; minimumElevationInMeters: 1600; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-01-23; catalogNumber: 666; recordNumber: 1017; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

f. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndbaka-Seronera Road.; minimumElevationInMeters: 1290; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-04; catalogNumber: 667; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

g. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000766238; recordNumber: 318; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: North Serengeti, North of Engare Nanyuki.; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1958-04-23; catalogNumber: K000766243; recordNumber: 361; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

i. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-15; catalogNumber: K000766244; recordNumber: 1505; recordedBy:
Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

j. scientificName: Pennisetum meziånun Leeke; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: meziånun; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000766254; recordNumber: 9836; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

k. scientificName: Pennisetum meziånun Leeke; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: meziånun; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB0433; recordNumber: 9836; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

l. scientificName: Pennisetum meziånun Leeke; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: meziånun; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Ngorongoro conservation areas, Serengeti National Park, Southern edge of Lake Lagarja (=Ndutu); minimumElevationInMeters: 1700; maximumElevationInMeters: 1730; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1977-10-01; catalogNumber: K000766255; recordNumber: 19340; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

m. scientificName: Pennisetum meziånun Leeke; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: meziånun; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti Plain; minimumElevationInMeters: 1432; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000766240; recordNumber: 70; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

n. scientificName: Pennisetum meziånun Leeke; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: meziånun; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera airdrome; verbatimLocality: Musoma district.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000766246; recordNumber: 294; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Pennisetum polystachion (L.) Schult.

Material

a. scientificName: Pennisetum polystachion (L.) Schult.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: polystachion; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:
Oolgumi; verbatimLocality: Ngorongoro Conservation Area, Oolgumi, along Kakesio river, a seasonal river.; minimumElevationInMeters: 1600; decimalLatitude: -3.333; decimalLongitude: 35.033; eventDate: 1993-06-15; catalogNumber: 669; recordNumber: 658; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Pennisetum polystachion subsp. atrichum (Stapf & C.E.Hubb) Brunken

Material

a. scientificName: Pennisetum polystachion (L.) Schult. subsp. atrichum (Stapf & C.E.Hubb) Brunken; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: polystachion; infraspecificEpithet: atrichum; scientificNameAuthorship: (Stapf & C.E.Hubb) Brunken; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; verbatimLocality: Endulen; verbatimLocality: Ngorongoro Conservation Area. West of Endulen airstrip.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-04-14; catalogNumber: 668; recordNumber: 355; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Pennisetum polystachion subsp. polystachion

Materials

a. scientificName: Pennisetum polystachion (L.) Schult. subsp. polystachion; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: polystachion; infraspecificEpithet: polystachion; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area Sendui.; minimumElevationInMeters: 2450; decimalLatitude: -2.916; decimalLongitude: 35.7; eventDate: 1993-07-22; catalogNumber: 670; recordNumber: 721; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: Pennisetum polystachion (L.) Schult. subsp. polystachion; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: polystachion; infraspecificEpithet: polystachion; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oltebesi; verbatimLocality: Ngorongoro Conservation Area, Oltebesi above Ndiyan village; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-29; catalogNumber: 671; recordNumber: 934; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

c. scientificName: Pennisetum polystachion (L.) Schult. subsp. polystachion; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: polystachion; infraspecificEpithet: polystachion; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo;
**Pennisetum riparium** Hochst. ex A.Rich.

**Nomenclature:**

*Cenchrus dowsonii* (Stapf & C.E.Hubb) Morrone | *Pennisetum dowsonii* Stapf

**Materials**

- a. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-17; catalogNumber: K000984072; recordNumber: 1663; recordedBy: Heady, HF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2195; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1961-02-08; catalogNumber: K000984073; recordNumber: 31; recordedBy: Senga, C; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Ngorongoro Conservation Area, Rotian glade; minimumElevationInMeters: 2300; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1989-01-13; catalogNumber: K000984074; recordNumber: 89016A; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- d. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: Checklist of Serengeti Ecosystem Grasses 149

**Distribution:** Widespread
1959-02-17; catalogNumber: 939; recordNumber: 1663; recordedBy: Heady, AF; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**Pennisetum setaceum** (Forssk.) Chiov.

**Nomenclature:**

*Cenchrus setaceus* (Forssk.) Morrone

**Materials**

a. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 20; minimumElevationInMeters: 1585; decimalLatitude: -2.65; decimalLongitude: 35.333333; eventDate: 1961-06-03; catalogNumber: K000984081; recordNumber: 10356; recordedBy: Greenway, PJ; Kanuri; Limbrey, H; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Serengeti plain; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1968-02-08; catalogNumber: K000984082; recordNumber: 13152; recordedBy: Greenway, PJ; Kanuri; Limbrey, H; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lolgarien; verbatimLocality: Oldoinyo-Gol; minimumElevationInMeters: 1524; decimalLatitude: -2.6; decimalLongitude: 35.383333; eventDate: 1961-5; catalogNumber: K000984083; recordNumber: 4; recordedBy: Newbould, JB; Thesiger, WP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Nasera rock; minimumElevationInMeters: 1700; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1987-04-30; catalogNumber: K000984084; recordNumber: 2599; recordedBy: Williams E et al.
Distribution: Widespread

**Pennisetum sphacelatum** (Nees) T.Durand & Schinz

Nomenclature:

*Pennisetum schimperi* A.Rich. | *Cenchrus sphacelatus* (Nees) Morrone

Materials

a. scientificName: *Cenchrus sphacelatus* (Nees) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *sphacelatus*; scientificNameAuthorship: (Nees) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater rim near windy Gap, 8 miles N. of Crater lodge; minimumElevationInMeters: 1829; decimalLatitude: -3.16667; decimalLongitude: 35.09167; eventDate: 2012-06-19; catalogNumber: 555; recordNumber: 24308; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: *Pennisetum schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater rim near windy Gap, 8 miles N. of Crater lodge; minimumElevationInMeters: 1829; decimalLatitude: -3.16667;
scientificName: *Pennisetum schimperi* A.Rich.;
genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.;
continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro;
verbatimLocality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-18; catalogNumber: K000766300; recordNumber: 1670; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Pennisetum schimperi* A.Rich.;
genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.;
continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro;
verbatimLocality: Old Boma; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-18; catalogNumber: K000766300; recordNumber: 1670; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Pennisetum schimperi* A.Rich.;
genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.;
continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro;
verbatimLocality: On the top ridge of the Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-18; catalogNumber: K000766300; recordNumber: 1670; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz;
genus: *Pennisetum*; specificEpithet: *sphacelatum*;
scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaai Crater; verbatimLocality: Empakaai Crater, 1 mile southwest, along main road.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-03; catalogNumber: DB0445; recordNumber: 124; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz;
genus: *Pennisetum*; specificEpithet: *sphacelatum*;
scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.35; eventDate: 1993-06-17; catalogNumber: 675; recordNumber: 665; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

h. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz;
genus: *Pennisetum*; specificEpithet: *sphacelatum*;
scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen Village.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283;
eventDate: 1993-07-16; catalogNumber: 676; recordNumber: 698; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

i. scientificName: Pennisetum sphacelatum (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: sphacelatum; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian; verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 677; recordNumber: 910a; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

j. scientificName: Pennisetum sphacelatum (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: sphacelatum; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, 1 mile southwest, along main road.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-03; catalogNumber: 1102; recordNumber: 124; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

c. scientificName: Pennisetum squamulatum Fresen.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: squamulatum; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K001087175; recordNumber: 6401;

Distribution: Tropical Africa

Pennisetum squamulatum Fresen.

Nomenclature:
Cenchrus squamulatum (Fresen.) Morrone

Materials

a. scientificName: Pennisetum squamulatum Fresen.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: squamulatum; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Barafu Kopjes; minimumElevationInMeters: 1768; decimalLatitude: -2.5; decimalLongitude: 35.416667; eventDate: 1968-02-12; catalogNumber: K001087174; recordNumber: 13173; recordedBy: Greenway, PJ; Kanuri; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Pennisetum squamulatum Fresen.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: squamulatum; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Barafu Kopjes; minimumElevationInMeters: 1768; decimalLatitude: -2.5; decimalLongitude: 35.416667; eventDate: 1968-02-12; catalogNumber: DB0449; recordNumber: 13173; recordedBy: Greenway, PJ; Kanuri; Turner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: Pennisetum squamulatum Fresen.; kingdom: Plantae; family: Poaceae; genus: Pennisetum; specificEpithet: squamulatum; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K001087175; recordNumber: 6401;
Distribution: Tanzania, Kenya, Ethiopia & Eritrea

**Pennisetum stramineum** Peter

**Nomenclature:**
*Cenchrus stramineus* (A. Peter) Morrone

**Materials**

a. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes (North) Serengeti plains; decimalLatitude: -2.7; decimalLongitude: 34.91667; eventDate: 1972-03-11; catalogNumber: DB0441; recordNumber: 43; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndutu Lodge; verbatimLocality: Near road 50 m from Ndutu Lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB0439; recordNumber: 66; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation area. Empakaai Crater, outer northern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB0438; recordNumber: 533; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Near Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 556; recordNumber: 24276;
recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbag, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Naabi Hill; minimumElevationInMeters: 1676; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1956-12-11; catalogNumber: K000984076; recordNumber: 9159; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-14; catalogNumber: K000984077; recordNumber: 10053; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Central Serengeti plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-21; catalogNumber: K000984079; recordNumber: 341; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-14; catalogNumber: DB0440; recordNumber: 10053; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia
Pennisetum trachyphyllum Pilg.

Nomenclature:

_Cenchrus trachyphyllum_ (Pilg.) Morrone

Material

a. scientificName: _Cenchrus trachyphyllum_ (Pilg.) Morrone; kingdom: Plantae; family: Poaceae; genus: _Cenchrus_; specificEpithet: _trachyphyllum_; scientificNameAuthorship: (Pilg.) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation area north east slope.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-09-09; catalogNumber: DB0451; recordNumber: 238; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Eastern & Central Africa

Perotis patens Gand.

Materials

a. scientificName: _Perotis patens_ Gand.; kingdom: Plantae; family: Poaceae; genus: _Perotis_; specificEpithet: _patens_; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0478; recordNumber: 495; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: _Perotis patens_ Gand.; kingdom: Plantae; family: Poaceae; genus: _Perotis_; specificEpithet: _patens_; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp Mile 55. 3.; minimumElevationInMeters: 1140; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: DB0474; recordNumber: 10198; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

Phalaris arundinacea L.

Materials

a. scientificName: _Phalaris arundinacea_ L.; kingdom: Plantae; family: Poaceae; genus: _Phalaris_; specificEpithet: _arundinacea_; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, NCAA headquarters.; minimumElevationInMeters: 2400; decimalLatitude: -3; decimalLongitude: 36; eventDate: 1997-08-21; catalogNumber: 679; recordNumber: s.n.; recordedBy: Metele, P;
b. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Ol'Moti crater, floor on eastern side.; minimumElevationInMeters: 3048; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1956-11-21; catalogNumber: K001065328; recordNumber: 3270; recordedBy: Tanner, M; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1981; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1963-01-07; catalogNumber: K001065327; recordNumber: 1682; recordedBy: Napper, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Upland grassland near Rest Camp, Ngorongoro.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1963-01-07; catalogNumber: K001065327; recordNumber: 1682; recordedBy: Napper, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area. Empakai crater, deep depression, northeast of Jaeger Summit.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: K001065322; recordNumber: 187; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area. Empakai crater, deep depression, northeast of Jaeger Summit.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: DB0480; recordNumber: 187; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

g. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemala Forest; verbatimLocality: Ngorongoro conservation area. Lemala forest (Rotian glade); minimumElevationInMeters: 2134; decimalLatitude: -3.116667; decimalLongitude: 35.666667; eventDate: 1988-10-28; catalogNumber: K001065323; recordNumber: 2725; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
h. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Rotian glade; verbatimLocality: Ngorongoro conservation area. Rotian glade, N.H.F.R.; minimumElevationInMeters: 2300; decimalLatitude: 35.666667; decimalLongitude: 35.666667; eventDate: 1989-01-15; catalogNumber: K001065324; recordNumber: 89016E; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

i. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Ngorongoro conservation area. Nainokanoka. Olmoti crater floor.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1977-10-10; catalogNumber: K001065325; recordNumber: 19559; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

*Phragmites australis* (Cav.) Trin. ex Steud.

Material

a. scientificName: *Phragmites australis* (Cav.) Trin. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Phragmites*; specificEpithet: *australis*; scientificNameAuthorship: (Cav.) Trin. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1961-06-13; catalogNumber: K000984275; recordNumber: 10377; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Widespread

*Poa annua* L.

Materials

a. scientificName: *Poa annua* L.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *annua*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: rim, S. side; minimumElevationInMeters: 2256; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-05; catalogNumber: K000984282; recordNumber: 12531; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Poa annua* L.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *annua*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 680; recordNumber: 24301;
**Poa leptoclada** Hochst. ex A.Rich.

**Materials**

a. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; verbatimLocality: Crater highlands; minimumElevationInMeters: 2591; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-30; catalogNumber: K000984280; recordNumber: 6244; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

b. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K000984281; recordNumber: 9137; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 24300; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

d. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater rim, south side.; minimumElevationInMeters: 2256; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-05; catalogNumber: K001087127; recordNumber: 12530; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the south east slope of crater.; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087128; recordNumber: 3361; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread
Distribution: Tropical Africa & Arabia

**Pogonarthria squarrosa** (Roem. & Schult.) Pilg.

**Material**

a. scientificName: *Pogonarthria squarrosa* (Roem. & Schult.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Pogonarthria*; specificEpithet: *squarrosa*; scientificNameAuthorship: (Roem. & Schult.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein’s camp; verbatimLocality: Seronera to Klein’s camp, mile 55.3.; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087132; recordNumber: 5681; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Pogononeura biflora** Napper

**Materials**

**Isotypes:**

a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post;
minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: K000366539; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: NY00431431; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: NY; collectionCode: Herbarium; ownerInstitutionCode: NY; basisOfRecord: PreservedSpecimen

c. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: PRE0784719-0; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

d. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: PRE0696292-0; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

e. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: US00289117; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

Holotypes:

a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: EA000000530; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.;
**Polypogon monspeliensis** (L.) Desf.

**Materials**

a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Kirawira guard post, Musoma district.; minimumElevationInMeters: 1128; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1962-04-18; catalogNumber: K001087133; recordNumber: 10608; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi-Nyamuma; verbatimLocality: Musabi - Nyamuma Guard post. Musoma district.; minimumElevationInMeters: 1234; decimalLatitude: -2.333333; decimalLongitude: 34.333333; eventDate: 1962-04-20; catalogNumber: K001087134; recordNumber: 10620; recordedBy: Greenway, PJ; Turner, M; Watson, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Musabi - Nyamuma Guard post. Musoma district.; minimumElevationInMeters: 1676; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1953-11-09; catalogNumber: K001087135; recordNumber: 1738; recordedBy: Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1965-11-17; catalogNumber: 866; recordNumber: H217; recordedBy: Herlocker, D; collectionCode: Herbarium; ownerInstitutionCode: N; basisOfRecord: PreservedSpecimen

c. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lengusa; verbatimLocality: T.N.P. Serengeti South; eventDate: 1969-12-19; catalogNumber: K001087136; recordNumber: 5; recordedBy: Ole Sayalal, P; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania & Uganda
Distribution: Widespread

**Polypogon schimperianus** (Hochst. ex Steud.) Cope

**Material**

a. scientificName: *Polypogon schimperianus* (Hochst. ex Steud.) Cope; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *schimperianus*; scientificNameAuthorship: (Hochst. ex Steud.) Cope; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: crater highland; minimumElevationInMeters: 3048; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-29; catalogNumber: K000984278; recordNumber: 6237; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

**Psilolemma jaegeri** (Pilg.) S.M.Philips

**Materials**

a. scientificName: *Psilolemma jaegeri* (Pilg.) S.M.Philips; kingdom: Plantae; family: Poaceae; genus: *Psilolemma*; specificEpithet: *jaegeri*; scientificNameAuthorship: (Pilg.) S.M.Philips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 682; recordNumber: 24320; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
decimalLongitude: 34.9; eventDate: 1956-11-16; catalogNumber: K001087141; recordNumber: 9028; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

### c.

scientificName: *Psilolemma jaegeri* (Pilg.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Psilolemma*; specificEpithet: *jaegeri*; scientificNameAuthorship: (Pilg.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: East Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11; catalogNumber: K001087140; recordNumber: 6314; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda & Democratic Republic of Congo

### Schmidtia pappophoroides Steud. ex J.A.Schmidt.

**Nomenclature:**

*Schmidtia bulbosa* Stapf

**Material**

a. scientificName: *Schmidtia pappophoroides* Steud. ex J.A.Schmidt.; kingdom: Plantae; family: Poaceae; genus: *Schmidtia*; specificEpithet: *pappophoroides*; scientificNameAuthorship: Steud. ex J.A.Schmidt.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera to Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087139; recordNumber: 10301; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### Setaria sp.

**Material**

a. scientificName: *Setaria*; kingdom: Plantae; family: Poaceae; genus: *Setaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Crater Highlands Olmoti Crater; minimumElevationInMeters: 2700; decimalLatitude: -3; decimalLongitude: 35.083333; eventDate: 1959-12-27; catalogNumber: DB0647; recordNumber: 17; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

### Setaria homonyma (Steud.) Chiov.

**Materials**

a. scientificName: *Setaria homonyma* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steud.) Chiov.;
Setaria incrassata (Hochst.) Hack.

Materials

a. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Kirawira; minimumElevationInMeters: 1200; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1965-04-25; catalogNumber: DB0585; recordNumber: 4651; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria homonyma* (Steed.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steed.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: near south wall, 0.5 mile south of Lerai forest; minimumElevationInMeters: 1730; decimalLatitude: -3.217778; decimalLongitude: 35.268333; eventDate: 2004-06-29; catalogNumber: 1130; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Enduleni, Olindogom stream.; minimumElevationInMeters: 1730; decimalLatitude: -3.217778; decimalLongitude: 35.268333; eventDate: 2004-06-29; catalogNumber: 1130; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

d. scientificName: *Setaria homonyma* (Steed.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steed.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Enduleni, Olindogom stream.; minimumElevationInMeters: 1730; decimalLatitude: -3.217778; decimalLongitude: 35.268333; eventDate: 2004-06-29; catalogNumber: 1130; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Asia
eventDate: 1993-04-20; catalogNumber: 683; recordNumber: 374; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
c. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Masapi Serengeti area; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000765110; recordNumber: 433; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Setaria kagerensis** Mez

**Materials**

a. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Baangi; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-30; catalogNumber: K000984102; recordNumber: 9946; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olairadad S. side of Ngorongoro Crater wall.; minimumElevationInMeters: 2012; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-02-02; catalogNumber: K000984103; recordNumber: 5973; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Banagi; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-30; catalogNumber: DB0648; recordNumber: 9946; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Setaria longiseta** P.Beauv.

**Materials**

a. scientificName: *Setaria longiseta* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *longiseta*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2;
eventDate: 1972-04-24; catalogNumber: DB0620; recordNumber: 732a; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria longiseta* P.Beaup.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *longiseta*; scientificNameAuthorship: P.Beaup.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-10; catalogNumber: DB0619; recordNumber: 614; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: K000984107; recordNumber: 10757; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: DB0622; recordNumber: 698; recordedBy: Herlocker, D; Asao, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Setaria megaphylla** (Steud.) T.Durand & Schinz

Materials

a. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1930-07-27; catalogNumber: K000984106; recordNumber: 284; recordedBy: Staples, RR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: K000984107; recordNumber: 10757; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kogatende; verbatimLocality: Kogatende - Nyamburi; decimalLatitude: -1.583333; decimalLongitude: 34.933333; catalogNumber: DB0624; recordNumber: 698; recordedBy: Herlocker, D; Asao, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: DB0622; recordNumber: 10757; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater wall.;
minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: 1131; recordNumber: 2793; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia

*Setaria orthosticha* K.Schum. ex R.A.W.Herrm.

Material

a. scientificName: *Setaria orthosticha* K.Schum. ex R.A.W.Herrm.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *orthosticha*; scientificNameAuthorship: K.Schum. ex R.A.W.Herrm.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Gurusri river, west of Enduleni.; minimumElevationInMeters: 1700; decimalLatitude: -3.211111; decimalLongitude: 35.220556; eventDate: 2004-06-25; catalogNumber: K000984105; recordNumber: 94; recordedBy: Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

*Setaria poiretiana* (Schult.) Kunth

Nomenclature:

*Setaria caudula* Stapf

Materials

a. scientificName: *Setaria caudula* Stapf; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *caudula*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1935-1; catalogNumber: K000984105; recordNumber: 94; recordedBy: Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria poiretiana* (Schult.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *poiretiana*; scientificNameAuthorship: (Schult.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Wall along the road leading up from crater; minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984104; recordNumber: 2794; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria poiretiana* (Schult.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *poiretiana*; scientificNameAuthorship: (Schult.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Wall along the road leading up from crater; minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984104; recordNumber: 2794; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Distribution: Widespread

**Setaria pumila** (Poir.) Roem. & Schult.

**Nomenclature:**

**Setaria pallide-fusca** (Schumach.) Stapf & C.E.Hubb

**Materials**

a. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Simiyu Guard Post and return, Mile 41.3; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-27; catalogNumber: K000984111; recordNumber: 10107; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. of Beacon area; minimumElevationInMeters: 1554; decimalLatitude: -3.283333; decimalLongitude: 34.8; eventDate: 1962-03-26; catalogNumber: K000984112; recordNumber: 10545; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Simiyu Guard Post and return, Mile 41.3; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-27; catalogNumber: DB0640; recordNumber: 10107; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. of Beacon area; minimumElevationInMeters: 1554; decimalLatitude: -3.283333; decimalLongitude: 34.8; eventDate: 1962-03-26; catalogNumber: DB0642; recordNumber: 10545; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera Serengeti plains;
DecimalLatitude: -2.333333; DecimalLongitude: 34.833333; EventDate: 1972-03-14; CatalogNumber: DB0641; RecordNumber: 108; RecordedBy: Schmidt, W; InstitutionCode: SWRC; CollectionCode: Herbarium; OwnerInstitutionCode: SWRC; BasisOfRecord: Preserved Specimen

**f.** ScientificName: *Setaria pumila* (Poir.) Roem. & Schult.; Kingdom: Plantae; Family: Poaceae; Genus: *Setaria*; SpecificEpithet: *pumila*; ScientificNameAuthorship: (Poir.) Roem. & Schult.; Continent: Africa; Country: Tanzania; StateProvince: Mara; County: Serengeti; Locality: Serengeti Plains; VerbatimLocality: South West Beacon Area; MinimumElevationInMeters: 1500; DecimalLatitude: -2.333333; DecimalLongitude: 34.833333; EventDate: 1962-03-27; CatalogNumber: DB0639; RecordNumber: 10552; RecordedBy: Greenway, PJ; InstitutionCode: SWRC; CollectionCode: Herbarium; OwnerInstitutionCode: SWRC; BasisOfRecord: Preserved Specimen

**g.** ScientificName: *Setaria pumila* (Poir.) Roem. & Schult.; Kingdom: Plantae; Family: Poaceae; Genus: *Setaria*; SpecificEpithet: *pumila*; ScientificNameAuthorship: (Poir.) Roem. & Schult.; Continent: Africa; Country: Tanzania; StateProvince: Arusha; County: Ngorongoro; Locality: Endulen; VerbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; MinimumElevationInMeters: 1900; DecimalLatitude: -3.2; DecimalLongitude: 35.266; EventDate: 1993-04-20; CatalogNumber: 684; RecordNumber: 369; RecordedBy: Ellemann, L; InstitutionCode: AAU; CollectionCode: Herbarium; OwnerInstitutionCode: AAU; BasisOfRecord: Preserved Specimen

**h.** ScientificName: *Setaria pumila* (Poir.) Roem. & Schult.; Kingdom: Plantae; Family: Poaceae; Genus: *Setaria*; SpecificEpithet: *pumila*; ScientificNameAuthorship: (Poir.) Roem. & Schult.; Continent: Africa; Country: Tanzania; StateProvince: Arusha; County: Ngorongoro; Locality: Laetoli; VerbatimLocality: Esere-Laetoli road, Laetoli road, 900m, from the junction to the footprints site.; MinimumElevationInMeters: 1625; DecimalLatitude: -3.291389; DecimalLongitude: 35.173889; EventDate: 2008-04-08; CatalogNumber: 1133; RecordNumber: 1138; RecordedBy: Mollel, NP; Mboya, EI; InstitutionCode: NCAA; CollectionCode: Herbarium; OwnerInstitutionCode: NCAA; BasisOfRecord: Preserved Specimen

**i.** ScientificName: *Setaria pumila* (Poir.) Roem. & Schult.; Kingdom: Plantae; Family: Poaceae; Genus: *Setaria*; SpecificEpithet: *pumila*; ScientificNameAuthorship: (Poir.) Roem. & Schult.; Continent: Africa; Country: Tanzania; StateProvince: Arusha; County: Ngorongoro; Locality: Laetoli; VerbatimLocality: Esere-Laetoli road, Laetoli road, 900m, from the junction to the footprints site.; MinimumElevationInMeters: 1625; DecimalLatitude: -3.291389; DecimalLongitude: 35.173889; EventDate: 2008-04-08; CatalogNumber: 1134; RecordNumber: 1138; RecordedBy: Mollel, NP; Mboya, EI; InstitutionCode: NCAA; CollectionCode: Herbarium; OwnerInstitutionCode: NCAA; BasisOfRecord: Preserved Specimen

**Distribution:** Widespread

*Setaria sphacelata* (Schumach.) Stapf & C.E. Hubb ex Moss

**Nomenclature:**

*Setaria sphacelata* (Schumach.) Stapf & C.E. Hubb ex Moss var. *torta* (Stapf) Clayton | *Setaria sphacelata* (Schumach.) Stapf & C.E. Hubb ex Moss var. *sericea* (Stapf) Clayton
Materials

a. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984116; recordNumber: 36; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB0606; recordNumber: 534; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

c. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-26; catalogNumber: DB0596; recordNumber: 5; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

d. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Seronera river, the 3rd crossing from Seronera on the Banagi road.; minimumElevationInMeters: 1410; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: DB0592; recordNumber: 676; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: 5 km north of Lobo Lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB0589; recordNumber: 278; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

f. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Belongonja; verbatimLocality: Belongonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-27; catalogNumber: DB0588; recordNumber: 805; recordedBy:
Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
g. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1315; decimalLatitude: -2.27; decimalLongitude: 34.61; eventDate: 2004-03-09; catalogNumber: 685; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
h. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1494; decimalLatitude: -2.43; decimalLongitude: 34.82; eventDate: 2004-02-05; catalogNumber: 686; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
i. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 687; recordNumber: 11; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
j. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 1096; recordNumber: 11; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
k. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Near Robanda Hill, 36M, 689097, 9763522 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-29; catalogNumber: 1128; recordNumber: 882; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
l. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*;
scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa;
country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Ndabaka- Seronera road. 0702390, 9731772 UTM; minimumElevationInMeters: 1494; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2004-02-04; catalogNumber: 1129; recordNumber: 708; recordedBy: Mboya, EI; Shombe, H; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

m. scientificName: Setaria sphacelata (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: Setaria; specificEpithet: sphacelata; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Curusi river, west of Enduleni.; minimumElevationInMeters: 1700; decimalLatitude: -3.211111; decimalLongitude: 35.220556; eventDate: 2004-06-25; catalogNumber: 1132; recordNumber: EN551; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

n. scientificName: Setaria sphacelata (Schumach.) Stapf & C.E.Hubb ex Moss var. sericea (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: Setaria; specificEpithet: sphacelata; infraspecificEpithet: sericea; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000984114; recordNumber: 9968; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

o. scientificName: Setaria sphacelata (Schumach.) Stapf & C.E.Hubb ex Moss var. sericea (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: Setaria; specificEpithet: sphacelata; infraspecificEpithet: sericea; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: E. side; minimumElevationInMeters: 1371; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-04-11; catalogNumber: K000984115; recordNumber: 10594; recordedBy: Greenway, PJ; Tanner, M; Rensbjurgh, HJ van; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. scientificName: Setaria sphacelata (Schumach.) Stapf & C.E.Hubb ex Moss var. sericea (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: Setaria; specificEpithet: sphacelata; infraspecificEpithet: sericea; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of the southern rim; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K000984117; recordNumber: P5; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

q. scientificName: Setaria sphacelata (Schumach.) Stapf & C.E.Hubb ex Moss var. sericea (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: Setaria; specificEpithet: sphacelata; infraspecificEpithet: sericea; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: E. side; minimumElevationInMeters: 1371; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-04-11; catalogNumber: DB0591; recordNumber: 10594; recordedBy: Greenway, PJ; Tanner, M; Rensbjurgh, HJ van;
**Setaria sphacelata** (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapl) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specific epithet: *sphacelata*; infraspecific epithet: *sericea*; scientific name authorship: (Stapl) Clayton; continent: Africa; country: Tanzania; state province: Mara; county: Serengeti; locality: Seronera river; minimum elevation in meters: 1432; decimal latitude: -2.45; decimal longitude: 34.8333; event date: 1961-04-03; catalog number: DB0590; record number: 9968; recorded by: Greenway, PJ; institution code: SWRC; collection code: Herbarium; owner institution code: SWRC; basis of record: Preserved Specimen

**Setaria sphacelata** (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapl) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specific epithet: *sphacelata*; infraspecific epithet: *sericea*; scientific name authorship: (Stapl) Clayton; continent: Africa; country: Tanzania; state province: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatim locality: top of the southern rim; minimum elevation in meters: 2900; decimal latitude: -2.9333; decimal longitude: 35.8166; event date: 1973-02-28; catalog number: 1097; record number: P5; recorded by: Frame, GW; institution code: NHT; collection code: Herbarium; owner institution code: NHT; basis of record: Preserved Specimen

**Setaria sphacelata** (Schumach.) Stapf & C.E.Hubb ex Moss var. *torta* (Stapl) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specific epithet: *sphacelata*; infraspecific epithet: *torta*; scientific name authorship: (Stapl) Clayton; continent: Africa; country: Tanzania; state province: Shinyanga; locality: Ngorurika; verbatim locality: E. Serengeti; minimum elevation in meters: 2042; decimal latitude: -2.8333; decimal longitude: 35; event date: 1962-11-21; catalog number: K000984113; record number: 6290; recorded by: Newbould, JB; institution code: K; collection code: Herbarium; owner institution code: K; basis of record: Preserved Specimen

**Setaria sulcata** Raddi

**Material**

**Setaria verticillata** (L.) P.Beauv.

**Materials**

**Distribution:** Widespread

**Setaria sulcata** Raddi

**Material**

**Distribution:** Native to Central & South America, introduced in Tanzania

**Setaria verticillata** (L.) P.Beauv.
continent: **Africa**; country: **Tanzania**; stateProvince: **Mara**; county: **Serengeti**; locality: *Seronera*; verbatimLocality: Dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.983333; eventDate: 1993-04-05; catalogNumber: K000984108; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: *Herbarium*; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Arusha**; county: **Ngorgoro**; locality: *Kakesio*; verbatimLocality: *Kakessio*; minimumElevationInMeters: 1768; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1993-04-07; catalogNumber: K000984109; recordedBy: Newbould, JB; institutionCode: K; collectionCode: *Herbarium*; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Arusha**; county: **Ngorgoro**; locality: *Endulen*; minimumElevationInMeters: 1829; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1993-06-07; catalogNumber: K000984110; recordedBy: Msuya, EZM; institutionCode: K; collectionCode: *Herbarium*; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Mara**; county: **Serengeti**; locality: *Serengeti Research Institute*; verbatimLocality: *Serengeti Research Institute*; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1993-05-11; catalogNumber: DB0650; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: *Herbarium*; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
e. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Arusha**; county: **Ngorgoro**; locality: *Endulen*; verbatimLocality: *Ngorgoro Conservation Area, Ndeyan 4 km North-west of Endulen Village*.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 688; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: *Herbarium*; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
f. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Arusha**; county: **Ngorgoro**; locality: *Enja Shori*; verbatimLocality: *Ngorgoro Conservation Area, along Enja Shori*.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 689; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: *Herbarium*; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
g. scientificName: *Setaria verticillata* (L.) P. Beauv.; kingdom: **Plantae**; family: **Poaceae**; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P. Beauv.; continent: **Africa**; country: **Tanzania**; stateProvince: **Arusha**; county: **Ngorgoro**; locality: *Nasiporiong*; verbatimLocality: *Ngorgoro Conservation Area, Nasiporiong*.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 690; recordedBy: Ellemann,
scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 691; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

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scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1290; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-02-02; catalogNumber: 692; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

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scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1290; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-02-02; catalogNumber: 692; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

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scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1290; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-02-02; catalogNumber: 692; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

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Distribution: Widespread
**Snowdenia petitiana** (A.Rich.) C.E.Hubb

**Materials**

a. **scientificName:** *Snowdenia petitiana* (A.Rich.) C.E.Hubb; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Snowdenia*; **specificEpithet:** *petitiana*; **scientificNameAuthorship:** (A.Rich.) C.E.Hubb; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Empakai Crater; **verbatimLocality:** Empakai crater, top of east rim; **minimumElevationInMeters:** 2600; **decimalLatitude:** -2.933333; **decimalLongitude:** 35.816667; **eventDate:** 1973-03-14; **catalogNumber:** DB0655; **recordNumber:** 94; **recordedBy:** Frame, GW; **institutionCode:** SWRC; **collectionCode:** Herbarium; **ownerInstitutionCode:** SWRC; **basisOfRecord:** PreservedSpecimen

b. **scientificName:** *Snowdenia petitiana* (A.Rich.) C.E.Hubb; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Snowdenia*; **specificEpithet:** *petitiana*; **scientificNameAuthorship:** (A.Rich.) C.E.Hubb; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Empakai Crater; **verbatimLocality:** Empakai crater; inside east rim.; **minimumElevationInMeters:** 2300; **decimalLatitude:** -2.933333; **decimalLongitude:** 35.816667; **eventDate:** 1973-05-30; **catalogNumber:** DB0654; **recordNumber:** 169; **recordedBy:** Frame, GW; **institutionCode:** SWRC; **collectionCode:** Herbarium; **ownerInstitutionCode:** SWRC; **basisOfRecord:** PreservedSpecimen

c. **scientificName:** *Snowdenia petitiana* (A.Rich.) C.E.Hubb; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Snowdenia*; **specificEpithet:** *petitiana*; **scientificNameAuthorship:** (A.Rich.) C.E.Hubb; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Empakai Crater; **verbatimLocality:** Empakai crater; top of east rim.; **minimumElevationInMeters:** 2600; **decimalLatitude:** -2.933333; **decimalLongitude:** 35.816667; **eventDate:** 1973-03-14; **catalogNumber:** 1101; **recordNumber:** 94; **recordedBy:** Frame, GW; **institutionCode:** NHT; **collectionCode:** Herbarium; **ownerInstitutionCode:** NHT; **basisOfRecord:** PreservedSpecimen

**Distribution:** Eastern Africa & Yemen

**Sorghum arundinaceum** (Desv.) Stapf

**Nomenclature:**

*Sorghum verticilliflorum* (Steud.) Stapf

**Materials**

a. **scientificName:** *Sorghum arundinaceum* (Desv.) Stapf; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sorghum*; **specificEpithet:** *arundinaceum*; **scientificNameAuthorship:** (Desv.) Stapf; **continent:** Africa; **country:** Tanzania; **stateProvince:** Mara; **county:** Serengeti; **locality:** Serengeti National Park; **verbatimLocality:** T1. Serengeti National Park. Ndabaka-Seronera Road.; **minimumElevationInMeters:** 1303; **decimalLatitude:** -2.27; **decimalLongitude:** 34.61; **eventDate:** 2004-02-06; **catalogNumber:** 693; **recordNumber:** s.n.; **recordedBy:** Mboya, E; **institutionCode:** MO; **collectionCode:** Herbarium; **ownerInstitutionCode:** MO; **basisOfRecord:** PreservedSpecimen

b. **scientificName:** *Sorghum verticilliflorum* (Steud.) Stapf; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sorghum*; **specificEpithet:** *verticilliflorum*; **scientificNameAuthorship:** (Steud.) Stapf; **continent:** Africa; **country:** Tanzania; **stateProvince:** Mara; **county:** Serengeti; **locality:** Seronera river; **verbatimLocality:** Seronera River near Seronera-
Sorghum versicolor Andersson

Materials

a. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndoha Plains; verbatimLocality: Eastwards of Ndoha plains; minimumElevationInMeters: 1219; decimalLatitude: -2.5; decimalLongitude: 34.416667; eventDate: 1961-04-20; catalogNumber: K000984063; recordNumber: 10075; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Subiti Hill; verbatimLocality: N.E. of Subiti Hill; decimalLatitude: -3.433333; decimalLongitude: 34.95; eventDate: 1958-05-03; catalogNumber: K000984064; recordNumber: 425; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; minimumElevationInMeters: 1493; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: K000984065; recordNumber: 10368; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; minimumElevationInMeters: 1493; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: DB0661; recordNumber: 10368; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

e. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndoha Plains; verbatimLocality: Eastwards of Ndoha plains; minimumElevationInMeters: 1219; decimalLatitude: -2.5; decimalLongitude: 34.416667; eventDate: 1961-04-20; catalogNumber: DB0660; recordNumber: 10075; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Arabia
Sporobolus sp.

Materials

a. scientificName: *Sporobolus*; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Ngorongoro Conservation Area, Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.983; decimalLongitude: 35.35; eventDate: 1993-08-18; catalogNumber: 716; recordNumber: 805; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

b. scientificName: *Sporobolus*; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation area Olduvai Gorge.; minimumElevationInMeters: 2250; decimalLatitude: -2.99; decimalLongitude: 35.35; eventDate: 1905-06-19; catalogNumber: 718; recordNumber: s.n.; recordedBy: Phillipson, PB; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

c. scientificName: *Sporobolus*; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: SE slope of crater.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.58333; eventDate: 1933-02-22; catalogNumber: K000495994; recordNumber: 3367; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Sporobolus africanus (Poir.) Robyns & Tournay

Nomenclature:
*Sporobolus capensis* (P.Beauv.) Kunth

Materials

a. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: africanus; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984169; recordNumber: 210; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: africanus; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984169; recordNumber: 210; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: africanus; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984169; recordNumber: 210; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000495993; recordNumber: 974; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: crater rim, forest near crater road.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1961-03-04; catalogNumber: K000495992; recordNumber: 5694; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

*Sporobolus agrostoides* Chiov.

**Material**

a. scientificName: *Sporobolus agrostoides* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *agrostoides*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mgungu river; verbatimLocality: 2 km upstream from Banagi; minimumElevationInMeters: 1350; decimalLatitude: -2.5; decimalLongitude: 35.333333; eventDate: 1957-01-24; catalogNumber: K000984158; recordNumber: 115; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

*Sporobolus confinis* (Steud.) Chiov.

**Nomenclature:**

*Sporobolus affinis* A.Rich. | *Sporobolus phyllotrichus* Hochst.

**Materials**

a. scientificName: *Sporobolus affinis* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *affinis*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984179; recordNumber: 11844; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
Sporobolus consimilis Fresen.

Materials

b. **scientificName**: *Sporobolus affinis* A.Rich.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Sporobolus*; **specificEpithet**: *affinis*; **scientificNameAuthorship**: A.Rich.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **locality**: Ngorongoro Crater; **decimalLatitude**: -3.166667; **decimalLongitude**: 35.583333; **eventDate**: 1959-02-17; **catalogNumber**: K000495985; **recordNumber**: 1646; **recordedBy**: Heady, AF; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; basisOfRecord: PreservedSpecimen

c. **scientificName**: *Sporobolus continuus* (Stud.) Chiov.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Sporobolus*; **specificEpithet**: *continus*; **scientificNameAuthorship**: (Stud.) Chiov.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Ngorongoro Crater; **verbatimLocality**: S. Northern Tanzania. Hill in Northern Eastern part of crater floor; **minimumElevationInMeters**: 1900; **decimalLatitude**: -3.25; **decimalLongitude**: 35.5; **eventDate**: 1967-11-26; **catalogNumber**: K000984180; **recordNumber**: 167; **recordedBy**: Braun, HMH; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; basisOfRecord: PreservedSpecimen

d. **scientificName**: *Sporobolus continuus* (Stud.) Chiov.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Sporobolus*; **specificEpithet**: *continus*; **scientificNameAuthorship**: (Stud.) Chiov.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Ngorongoro Crater; **verbatimLocality**: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate); **minimumElevationInMeters**: 2168; **decimalLatitude**: -3.15462; **decimalLongitude**: 35.47717; **eventDate**: 2012-06-19; **catalogNumber**: 694; **recordNumber**: 24303; **recordedBy**: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; **institutionCode**: US; **collectionCode**: Herbarium; **ownerInstitutionCode**: US; basisOfRecord: PreservedSpecimen

e. **scientificName**: *Sporobolus continuus* (Stud.) Chiov.; **kingdom**: Plantae; **family**: Poaceae; **genus**: *Sporobolus*; **specificEpithet**: *continus*; **scientificNameAuthorship**: (Stud.) Chiov.; **continent**: Africa; **country**: Tanzania; **stateProvince**: Arusha; **county**: Ngorongoro; **locality**: Ngorongoro Crater; **verbatimLocality**: SE part of crater floor.; **minimumElevationInMeters**: 1750; **decimalLatitude**: -3.25; **decimalLongitude**: 35.5; **eventDate**: 1967-02-25; **catalogNumber**: K000495984; **recordNumber**: 160; **recordedBy**: Braun, HMH; **institutionCode**: K; **collectionCode**: Herbarium; **ownerInstitutionCode**: K; basisOfRecord: PreservedSpecimen

Distribution: Eastern Africa & Yemen

*Sporobolus consimilis* Fresen.
verbatimLocality: Moru Main Water Holes; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1956-12-10; catalogNumber: K000984175; recordNumber: 9154; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
c. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-07-14; catalogNumber: K000984176; recordNumber: 6173; recordedBy: Newbold, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
d. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: mile 3.7; minimumElevationInMeters: 1493; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-06-03; catalogNumber: K000984177; recordNumber: 10352; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
e. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1500; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-26; catalogNumber: K000984178; recordNumber: 19301; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
f. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ololgumi; verbatimLocality: Ngorongoro Conservation Area. Collected along dry riverine, ca. 5 km South of Kakesio Village. Ololgumi.; minimumElevationInMeters: 1800; decimalLatitude: -3.066; decimalLongitude: 35.05; eventDate: 1993-05-13; catalogNumber: 695; recordNumber: 544; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
g. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Ngorongoro Conservation Area, Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.983; decimalLongitude: 35.35; eventDate: 1993-08-18; catalogNumber: 696; recordNumber: 804; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
h. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili; verbatimLocality: Ngorongoro Conservation Area, Olbili (12 km from Endulen).; minimumElevationInMeters: 1400; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-02-17; catalogNumber: 697; recordNumber: 1061; recordedBy:
Distribution: Tropical Africa & Arabia

*Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.

Nomenclature:
*Sporobolus humifusus* (Kunth) Kunth var. *cordofanus* (Hochst. ex Steud.) R.L.Massey

Materials

a. **scientificName**: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: dam site; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-05; catalogNumber: K000984192; recordNumber: 9985; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. **scientificName**: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K000984193; recordNumber: 6405; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. **scientificName**: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: Between Gol Kopjes and depressions in north eastern direction; minimumElevationInMeters: 1500; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1967-05-18; catalogNumber: K000984194; recordNumber: 223; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. **scientificName**: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumchem; verbatimLocality: E. boundary from Grumechem entrance to Naabi entrance, mile 23; minimumElevationInMeters: 1707; decimalLatitude: -2.3; decimalLongitude: 35.25; eventDate: 1961-05-25; catalogNumber: K000984195; recordNumber: 10329; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. **scientificName**: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi;
**Sporobolus coromandelianus** (Retz.) Kunth

**Distribution:** Widespread

**Sporobolus discosporus** Nees

**Materials**

a. scientificName: *Sporobolus discosporus* Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *discosporus*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Soitayai; verbatimLocality: (Soit Ayai in Serengeti map); minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 1958-04-23; catalogNumber: K000495977; recordNumber: 890; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
**Sporobolus festivus** Hochst. ex A.Rich.

**Materials**

- **a.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: *Africa*; country: *Tanzania*; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984170; recordNumber: 9842; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- **b.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: *Africa*; country: *Tanzania*; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984171; recordNumber: 41; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- **c.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: *Africa*; country: *Tanzania*; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-07-18; catalogNumber: K000984172; recordNumber: 6183; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- **d.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: *Africa*; country: *Tanzania*; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Solayai, Mile 10; minimumElevationInMeters: 1646; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-27; catalogNumber: K000984173; recordNumber: 9906; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- **e.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: *Africa*; country: *Tanzania*; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park, Ndbaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-04; catalogNumber: 700; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- **f.** *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: *Plantae*; family: *Poaceae*; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst.
Sporobolus (Nees ex Trin.) Nees

**Materials**

a. scientificName: Sporobolus fimbriatus (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: fimbriatus; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.);

b. scientificName: Sporobolus fimbriatus (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndbaka Plains; minimumElevationInMeters: 1280; decimalLatitude: -2.116667; decimalLongitude: 34.916667; eventDate: 1956-12-01; catalogNumber: K000984159; recordNumber: 9092; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Sporobolus fimbriatus (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984165; recordNumber: 9852; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Sporobolus fimbriatus (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi; verbatimLocality: N.W. of Naabi; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1958-04-24; catalogNumber: K000984166; recordNumber: 370; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Sporobolus fimbriatus (Nees ex Trin.) Nees var. latifolius** Stent

**Nomenclature:**

Sporobolus fimbriatus (Nees ex Trin.) Nees var. latifolius Stent

**Distribution:** Tropical Africa & Asia
Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 703; recordNumber: 24258; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N.); minimumElevationInMeters: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 704; recordNumber: 24260; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 705; recordNumber: 24280; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1947-10-15; catalogNumber: 887; recordNumber: 1320; recordedBy: Bogdan; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.61667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000495986; recordNumber: 6298; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: East Serengeti; decimalLatitude: -2.383333; decimalLongitude: 34.95; eventDate: 1958-04-24; catalogNumber: K000495989; recordNumber: 374; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, road to the water pool, CG01 plot. .36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388;
k. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Seneto east. Localized along the crater wall.; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1994-11-11; catalogNumber: 1122; recordNumber: 5729; recordedBy: Chuwa, S; Amiyo, T; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

l. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 3 miles W. of the Eastern boundary; minimumElevationInMeters: 1646; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1963-2; catalogNumber: K000984160; recordNumber: 10735; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

m. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.E. slope of Naabi Hill on the side of the main track; minimumElevationInMeters: 1646; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-08-10; catalogNumber: K000984161; recordNumber: 10737; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

n. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti plain entrance of National Park near lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000984167; recordNumber: 5598; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

o. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000495991; recordNumber: 9982; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country:
Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000495990; recordNumber: 10189; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**scientificName**: *Sporobolus fimbriatus* (Nees ex Trin.) Nees *var. latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-07-20; catalogNumber: K000495987; recordNumber: 6189; recordedBy: Newbould, JB; Thesiger, WP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution**: Tropical Africa

**Sporobolus ioclados** (Trin.) Nees

**Nomenclature**:

*Sporobolus marginatus* Hochst. ex A.Rich. | *Sporobolus verdcourtii* Napper | *Sporobolus laetevirens* Coss. | *Sporobolus kentrophyllum* (K.Schum.) Clayton | *Sporobolus rangei* Pilg.

**Materials**

a. **scientificName**: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Headwaters; minimumElevationInMeters: 1585; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1956-12-04; catalogNumber: K000984188; recordNumber: 9107; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. **scientificName**: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 706; recordNumber: 1095; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
c. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: *Arusha*; county: Ngorongoro; locality: Oldonyo-o-ogol; verbatimLocality: *Ngorongoro Conservation Area, Oldonyo-o-ogol.*; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 707; recordNumber: 1118; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

d. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: *Mara*; county: Serengeti; locality: Musabi plains; verbatimLocality: T1. Serengeti National Park. Musabi plains.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-03-07; catalogNumber: 708; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

e. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: *Mara*; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1294; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-03-09; catalogNumber: 709; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

f. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: *Arusha*; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: *Ngorongoro Conservation area Olduvai Gorge.*; minimumElevationInMeters: 2250; decimalLatitude: -2.99; decimalLongitude: 35.35; eventDate: 1905-06-19; catalogNumber: 710; recordNumber: s.n.; recordedBy: Phillipson, PB; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

g. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: North east boundary, Mile 15 from Naabi Hill.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: K000722864; recordNumber: 10156; recordedBy: Greenway, PJ; Turner, M; Talbots, TL; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

h. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: *Africa*; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti plain, entrance of National park near Lake Magadi.; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000722847; recordNumber: 5597; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

i. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Mile 10 from Seronera on the Nyaraswega-Banagi Hill circuit.; minimumElevationInMeters: 1417; decimalLatitude: -2.188333; decimalLongitude: 34.835833; eventDate: 1962-05-22; catalogNumber: K000722879; recordNumber: 10652; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; verbatimLocality: West of Salai plains; decimalLatitude: -2.833333; decimalLongitude: 35.666667; eventDate: 1958-04-29; catalogNumber: K000722854; recordNumber: 407; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Ngorongoro; county: Serengeti; locality: Ang’ata Salei; minimumElevationInMeters: 1371; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1963-2; catalogNumber: K000722865; recordNumber: 6568; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000722919; recordNumber: 9843; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000495978; recordNumber: 10185; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Titushi river, mile 14.7; minimumElevationInMeters: 1493; decimalLatitude: -2.534167; decimalLongitude: 34.750278; eventDate: 1961-04-27; catalogNumber: K000722920; recordNumber: 10101; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen |
| scientificName | Sporobolus ioclados (Trin.) Nees | continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ang’ata Salei; verbatimLocality: Watumi, Ang’ata Salei; minimumElevationInMeters: 1524; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1963-12; catalogNumber: K000722922; recordNumber: 6572; recordedBy: Newbould, JB; |
institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: In a gorge, north east of Ol Doinyo Lengai.; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000722905; recordNumber: 11352; recordedBy: Greenway, PJ; Hunter, H; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

q. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ol Doinyo Lengai; verbatimLocality: In a gorge, north east of Ol Doinyo Lengai.; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-03-01; catalogNumber: K000722906; recordNumber: 10480; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

r. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-20; catalogNumber: K000722907; recordNumber: 327; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

s. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: South Serengeti.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-22; catalogNumber: K000495979; recordNumber: 345; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

t. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Seronera to Soitayai, mile 10.; minimumElevationInMeters: 1648; decimalLatitude: -2.333333; decimalLongitude: 34.978333; eventDate: 1961-03-27; catalogNumber: K000722892; recordNumber: 9904; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

u. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 10.; minimumElevationInMeters: 1648; decimalLatitude: -2.333333; decimalLongitude: 34.978333; eventDate: 1961-03-27; catalogNumber: K000722892; recordNumber: 9904; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

v. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: In a gorge, north east of Ol Doinyo Lengai.; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000722905; recordNumber: 11352; recordedBy: Greenway, PJ; Hunter, H; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

 Williams E et al.
Seronera Lodge; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 1961-05-16; catalogNumber: K000722893; recordNumber: 10191; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; decimalLatitude: -2.75; decimalLongitude: 35.266667; eventDate: 1958-04-22; catalogNumber: K000722890; recordNumber: 349; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Endar bark; verbatimLocality: Endar bark, Serengeti area.; eventDate: 1958-05-09; catalogNumber: K000722883; recordNumber: 439; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; decimalLatitude: -2.7; decimalLongitude: 34.8; eventDate: 1958-04-27; catalogNumber: K000722885; recordNumber: 391; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti plains.; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-03-16; catalogNumber: K000495980; recordNumber: 97; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti plains.; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000495981; recordNumber: 64; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae;
genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;
continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:
Sporobolus ioclados (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: ioclados; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ang’ata Salei; verbatimLocality: East Serengeti; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1962-11; catalogNumber: K000722867; recordNumber: 236; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa, Arabia & Asia

Sporobolus macranthelus Chiov.

Nomenclature:

Sporobolus greenwayi Napper

Materials

a. scientificName: Sporobolus greenwayi Napper; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: greenwayi; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorgoro Crater; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-01-20; catalogNumber: K000984155; recordNumber: 2104; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Sporobolus greenwayi Napper; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: greenwayi; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kimba; verbatimLocality: Ngorongoro Crater rim, S.W. side.; minimumElevationInMeters: 2256; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1966-07-03; catalogNumber: K000984156; recordNumber: 12526; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: Sporobolus macranthelus Chiov.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: macranthelus; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio River; minimumElevationInMeters: 1700; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1988-04-18; catalogNumber: K000984157; recordNumber: 2631; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa
**Sporobolus nervosus** Hochst.

**Materials**

a. **scientificName:** *Sporobolus nervosus* Hochst.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sporobolus*; **specificEpithet:** nervosus; **scientificNameAuthorship:** Hochst.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Olduvai Gorge; **verbatimLocality:** Ngorongoro Conservation area, 2 km from the south gorge, Oldupai gorge.; **minimumElevationInMeters:** 1450; **decimalLatitude:** -2.95; **decimalLongitude:** 35.166667; **eventDate:** 1988-04-18; **catalogNumber:** K000984154; **recordNumber:** 2636; **recordedBy:** Chuwa, S; **institutionCode:** K; **collectionCode:** Herbarium; **ownerInstitutionCode:** K; **basisOfRecord:** PreservedSpecimen

b. **scientificName:** *Sporobolus nervosus* Hochst.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sporobolus*; **specificEpithet:** nervosus; **scientificNameAuthorship:** Hochst.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Olbalbal; **decimalLatitude:** -2.95; **decimalLongitude:** 35.283333; **eventDate:** 1958-04-28; **catalogNumber:** K000984182; **recordNumber:** 402; **recordedBy:** Paulo, S; **institutionCode:** K; **collectionCode:** Herbarium; **ownerInstitutionCode:** K; **basisOfRecord:** PreservedSpecimen

**Distribution:** Eastern & Southern Africa & Arabia

**Sporobolus panicoides** A.Rich.

**Materials**

a. **scientificName:** *Sporobolus panicoides* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sporobolus*; **specificEpithet:** panicoides; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Endulen; **verbatimLocality:** Ngorongoro Conservation Area. Between Endulen Hospital and Ndiyan.; **minimumElevationInMeters:** 1900; **decimalLatitude:** -3.2; **decimalLongitude:** 35.266; **eventDate:** 1993-04-22; **catalogNumber:** 711; **recordNumber:** 394; **recordedBy:** Ellemann, L; **institutionCode:** AAU; **collectionCode:** Herbarium; **ownerInstitutionCode:** AAU; **basisOfRecord:** PreservedSpecimen

b. **scientificName:** *Sporobolus panicoides* A.Rich.; **kingdom:** Plantae; **family:** Poaceae; **genus:** *Sporobolus*; **specificEpithet:** panicoides; **scientificNameAuthorship:** A.Rich.; **continent:** Africa; **country:** Tanzania; **stateProvince:** Arusha; **county:** Ngorongoro; **locality:** Kakesio; **verbatimLocality:** Serengeti, North of Kakesio; **decimalLatitude:** -3.316667; **decimalLongitude:** 35.033333; **eventDate:** 1958-05-03; **catalogNumber:** K000495976; **recordNumber:** 428; **recordedBy:** Paulo, S; **institutionCode:** K; **collectionCode:** Herbarium; **ownerInstitutionCode:** K; **basisOfRecord:** PreservedSpecimen

**Distribution:** Eastern & Southern Africa & Yemen
**Sporobolus pellucidus** Hochst.

**Materials**

a. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K000984162; recordNumber: 9846; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Endoinyo Emboleh; minimumElevationInMeters: 1676; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1962-12-14; catalogNumber: K000984163; recordNumber: 6375; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Campi ya Mawi; minimumElevationInMeters: 1554; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1963-01-14; catalogNumber: K000984164; recordNumber: 10943; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984183; recordNumber: 211; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

**Sporobolus pyramidalis** P.Beauv.

**Materials**

a. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Plains; minimumElevationInMeters: 1189; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1968-02-20; catalogNumber: K000984184; recordNumber: 13312; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1463;
Sporobolus rigidifolius (Trin.) Mez ex Veldkamp

Material

a. scientificName: Sporobolus rigidifolius (Trin.) Mez ex Veldkamp; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: rigidifolius; scientificNameAuthorship: (Trin.) Mez ex Veldkamp; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.167778; eventDate: 2012-06-17; catalogNumber: 713; recordNumber: 24298; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

Distribution: Widespread
Sporobolus sanguineus Rendle

**Distribution:** Tropical Africa

*Sporobolus hombei* De Wild.

**Materials**

a. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Southern shore of Lake Magadi, North - East of Leral forest, Ngorongoro Crater; minimumElevationInMeters: 1650; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1967-11-26; catalogNumber: K000984189; recordNumber: 165; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-07-14; catalogNumber: K000984190; recordNumber: 6170; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000984191; recordNumber: 6297; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Barelamangi salt lick; verbatimLocality: T1; eventDate: 1961-04-30; catalogNumber: K000495997; recordNumber: 10138; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Hippo pool - Ngorongoro; verbatimLocality: Near Hippo pool, SE side of Ngorongoro crater floor.; decimalLatitude: -3.25; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K000495996; recordNumber: 12594; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Sporobolus hombei* De Wild.; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: hombei; scientificNameAuthorship: De Wild.; continent:
Sporobolus spicatus (Vahl) Kunth

Materials

a. scientificName: Sporobolus spicatus (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: spicatus; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Lowest part of crater floor.; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-01-20; catalogNumber: K000495995; recordNumber: 2105; recordedBy: Veesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Sporobolus spicatus (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: spicatus; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000765003; recordNumber: 9984; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

c. scientificName: Sporobolus spicatus (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: spicatus; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo Lengai Mt.; verbatimLocality: SE slopes (occurs also on NE slopes & probably on hill sides); minimumElevationInMeters: 1219; maximumElevationInMeters: 1829; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1932-02-02; catalogNumber: K000495983; recordNumber: 286; recordedBy: Clair-Thompson, GN; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: Sporobolus spicatus (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: spicatus; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro conservancy area. Olduvai, confluence of main and side gorges. Bottom of gorge, west bank, site of Zinjanthropus.; minimumElevationInMeters: 1500; maximumElevationInMeters: 1520; decimalLatitude: -2.95; decimalLongitude: 35.15488; eventDate: 1959-01-20; catalogNumber: K000722994; recordNumber: 19298; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: Sporobolus spicatus (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: Sporobolus; specificEpithet: spicatus; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: East of; minimumElevationInMeters: 914;
Distribution: Widespread
**Sporobolus stapfianus** Gand.

**Material**

a. scientificName: *Sporobolus stapfianus* Gand.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *stapfianus*; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Between Lake Largaja and Naabi entrance; minimumElevationInMeters: 1500; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1967-05-15; catalogNumber: K000984181; recordNumber: 214; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

**Tetrapogon roxburghiana** (Schult.) P.M.Peterson

**Nomenclature:**

*Chloris roxburghiana* Schult

**Materials**

a. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 03/20/1961; catalogNumber: K000984207; recordNumber: 9851; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: rest camp; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 04/23/1958; catalogNumber: K000984209; recordNumber: 353; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute Compound; minimumElevationInMeters: 1554; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 05/11/1981; catalogNumber: DB1290; recordNumber: 168; recordedBy: Belsky, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
### Distribution

**Tropical Africa & Asia**

#### Themeda sp.

**Material**

a. scientificName: *Themeda*; kingdom: Plantae; family: Poaceae; genus: *Themeda*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 728; recordNumber: 943; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
**Themeda triandra** Forssk.

Materials

a. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti, near lage Magadi.; minimumElevationInMeters: 1524; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1905-05-18; catalogNumber: 311; recordNumber: 1045; recordedBy: Brown, ES; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen Village.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 719; recordNumber: 699; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

c. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area Sendui.; minimumElevationInMeters: 2450; decimalLatitude: -2.916; decimalLongitude: 35.7; eventDate: 1993-07-22; catalogNumber: 720; recordNumber: 722; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

d. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2700; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 721; recordNumber: 772; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

e. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmekeke; verbatimLocality: Ngorongoro Conservation Area, Olmekeke.; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-21; catalogNumber: 722; recordNumber: 918; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

f. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oltebesi; verbatimLocality: Ngorongoro Conservation Area, Oltebesi above Ndiyan village.; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-29; catalogNumber: 723; recordNumber: 932; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
g. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndbaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-07; catalogNumber: 724; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

h. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyi, 15.1 km from Ngorongoro headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 725; recordNumber: 10; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

i. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 726; recordNumber: 24273; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

j. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 727; recordNumber: 24310; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

k. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera airdrome; verbatimLocality: Musoma district.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000748908; recordNumber: 293; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

l. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000748918; recordNumber: 9835; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

m. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja;
verbatimLocality: Ngorongoro conservation area, Serengeti NP, southern edge of Lake Lagarka (=Ndutu); decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1977-10-01; catalogNumber: K000748930; recordNumber: 19343; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
n. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On top ridge of Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000748933; recordNumber: 971; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

p. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1935-1; catalogNumber: K000748955; recordNumber: 95; recordedBy: Moreau; Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

q. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Growing on plains at bottom of crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-06-24; catalogNumber: K001087191; recordNumber: 944; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

r. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Embagai; minimumElevationInMeters: 1524; maximumElevationInMeters: 1829; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1932-02-05; catalogNumber: K001087192; recordNumber: 413; recordedBy: Clair-Thompson, GN; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

s. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 1110; recordNumber: 10; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
scientificName: Themeda triandra Forssk.; kingdom: Plantae; family: Poaceae; genus: Themeda; specificEpithet: triandra; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot, 36M 0386088, 9763754 UTM; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1157; recordNumber: 819C; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

Distribution: Widespread

Trachypogon spicatus (L.f.) Kuntze

Materials

a. scientificName: Trachypogon spicatus (L.f.) Kuntze; kingdom: Plantae; family: Poaceae; genus: Trachypogon; specificEpithet: spicatus; scientificNameAuthorship: (L.f.) Kuntze; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55.3; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087190; recordNumber: 10200; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: Trachypogon spicatus (L.f.) Kuntze; kingdom: Plantae; family: Poaceae; genus: Trachypogon; specificEpithet: spicatus; scientificNameAuthorship: (L.f.) Kuntze; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Karawera; verbatimLocality: Seronera to Karawera guard post, Mile 55.; minimumElevationInMeters: 1219; eventDate: 1961-04-24; catalogNumber: K001087189; recordNumber: 10088; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa & Americas

Tragus sp.

Material

a. scientificName: Tragus; kingdom: Plantae; family: Poaceae; genus: Tragus; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 730; recordNumber: 24314; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
**Tragus berteronianus** Schult.

**Materials**

a. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: 34.85; eventDate: 2004-03-04; catalogNumber: 729; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

b. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087176; recordNumber: 9864; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; verbatimLocality: West of Salei plain.; minimumElevationInMeters: 35.666667; eventDate: 1958-04-29; catalogNumber: K001087177; recordNumber: 408; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, road to the water pool, CG01 plot. .36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: 34.666667; eventDate: 2003-01-28; catalogNumber: K001087178; recordNumber: 817; recordedBy: Mollel, ; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

**Tricholaena tenerifae** (L.f.) Link

**Materials**

a. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldiang’arangar; verbatimLocality: East Serengeti; minimumElevationInMeters: 2134; decimalLatitude: -2.833333; decimalLongitude: 35.666667; eventDate: 1958-04-29; catalogNumber: K001087179; recordNumber: 408; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
b. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Central Plains; verbatimLocality: Serengeti central plains, NE side.; minimumElevationInMeters: 1676; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K001087186; recordNumber: 10697; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

c. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tutiahi river; verbatimLocality: NW of Tutiahi river, near the Lake Magadi Track.; minimumElevationInMeters: 1402; eventDate: 1962-12-22; catalogNumber: K001087185; recordNumber: 10904; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

d. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: East Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-16; catalogNumber: K001087184; recordNumber: 6179; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

e. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-16; catalogNumber: K001087183; recordNumber: 1631; recordedBy: Heady, HF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

f. scientificName: *Tricholaena tenerifae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *tenerifae*; scientificNameAuthorship: (L.f.) Link; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Headwaters of the Seronera river, Musoma district. On the northern side of the Serengeti Central Plains.; minimumElevationInMeters: 1463; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-13; catalogNumber: K001087188; recordNumber: 10718; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Africa, Asia & Europe

**Trichoneura ciliata** (Peter) S.M.Phillips

Materials

a. scientificName: *Trichoneura ciliata* (Peter) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Trichoneura*; specificEpithet: *ciliata*; scientificNameAuthorship: (Peter) S.M.Phillips; continent: *Africa*; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein’s camp; verbatimLocality: Seronera to Klein’s camp, Mile 55;
minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087178; recordNumber: 10196; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

b. scientificName: *Trichoneura ciliata* (Peter) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Trichoneura*; specificEpithet: *ciliata*; scientificNameAuthorship: (Peter) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein’s camp; verbatimLocality: Seronera to Klein’s camp, Mile 55.; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: 895; recordNumber: 10196; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

Distribution: Tanzania, Ethiopia & Kenya

**Tripogon minimus** (A.Rich.) Hochst. ex Steud.  

**Materials**

a. scientificName: *Tripogon minimus* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Tripogon*; specificEpithet: *minimus*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 35.833333; eventDate: 1968-12-19; catalogNumber: 783; recordNumber: 322; recordedBy: Braun, HMM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

b. scientificName: *Tripogon minimus* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Tripogon*; specificEpithet: *minimus*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-12-19; catalogNumber: K001087180; recordNumber: 322; recordedBy: Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

Distribution: Tropical Africa

**Urochloa brachyura** (Hack.) Stapf  

**Nomenclature:**  
*Urochloa geniculata* C.E.Hubb

**Materials**

a. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 731;
**Urochloa panicoides** P. Beauv.

**Material**

- **scientificName:** *Urochloa panicoides* P. Beauv.; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *panicoides*; scientificNameAuthorship: P. Beauv.; continent: *Africa*; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Conservation Area; minimumElevationInMeters: 1829; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1963-1; catalogNumber: K000984118; recordNumber: 5512; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa
Distribution: Widespread

Analysis

Species

In total 939 herbarium specimens, housed in six herbaria were digitised for the SER. These represented 200 species from 77 genera. The most frequently collected species was Sporobolus ioclados (Trin.) Nees with 30 specimens (Table 1). Twenty species are known from ten or more herbarium specimens. However 54 species in the SER are only known from one herbarium record. The most commonly collected genus was Sporobolus, followed by Panicum and Pennisetum (Table 2). Most grass species recorded from the SER have a widespread distribution across Tropical Africa with only one Tanzanian endemic species recorded, Apochiton burtii C.E.Hubb. One species has not been recorded in mainland Africa before (Bothriochloa pertusa (L.) A.Camus), and this could be a new introduction or a possible misidentification and needs further investigation. We have not been able to verify reported records of Aristida pilgeri Henrad and Digitaria milanjiana (Rendle) Stapf and these species are not included in the checklist.

| Species                                | Number of specimens |
|----------------------------------------|---------------------|
| *Sporobolus ioclados* (Trin.) Nees     | 30                  |
| *Cenchrus ciliaris* L.                 | 22                  |
| *Chloris gayana* Kunth                 | 22                  |
| *Eleusine jaegeri* Pilg.               | 21                  |
| *Aristida adoensis* Hochst.            | 18                  |
| *Aristida kenyensis* Henrard           | 18                  |
| *Thedea triandra* Forssk.              | 18                  |
| *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf | 17                  |
| *Sporobolus limbriatus* (Nees ex Trin.) Nees | 16                  |
| *Panicum coloratum* L.                 | 14                  |

Table 1.
The top ten commonly collected species in the Serengeti Ecosystem Region
Table 2.
The top ten commonly collected genera in the Serengeti Ecosystem Region

| Genus    | Number of specimens |
|----------|---------------------|
| Sporobolus | 119                 |
| Panicum  | 65                  |
| Pennisetum | 59                 |
| Eragrostis | 57                 |
| Aristida | 47                  |
| Setaria  | 45                  |
| Digitaria | 41                 |
| Chloris  | 39                  |
| Brachiaria | 36                |
| Eleusine | 27                  |

Collectors

Gustav Albert Peter collected the first ever grass specimen from the Ngorongoro crater in July 1926 (the type of *Eragrostis polysperma*, now accepted as *E. ciliarisensis* (All.) Janch.). The first Serengeti National Park grass specimen was not collected until October 1947 by Alexey Bogdan (*Sporobolus fimbriatus* (Nees ex Trin.) Nees). In total there were 66 different principal collectors of herbarium specimens. However one collector, Peter Greenway collected 250 specimens from SER, 26% of the total (Table 3). Due to Greenway’s collecting efforts along with John Newbould the 1960’s was the most prolific decade for collecting with over 350 specimens. Four type specimens were collected from SER, three with Greenway as the principal collector.

Table 3.
Principal collectors with highest numbers of specimens collected

| Principal collector | Years of collections | Number of specimens collected (% of total specimens) |
|---------------------|----------------------|-----------------------------------------------------|
| Greenway, P.J.      | 1956-1968            | 250 (28%)                                            |
| Ellemann, L.        | 1993-1994            | 79 (9%)                                              |
| Peterson, P.M.      | 2012                 | 70 (8%)                                              |
| Newbould, J.B.      | 1962-1965            | 66 (7%)                                              |
| Paulo, S.           | 1958                 | 65 (7%)                                              |
Collecting intensity across SER

Specimens have been collected across the SER (Fig. 1) but there has been a collecting bias towards certain areas. For example, 124 herbarium specimens have been collected in the area around the Serengeti Wildlife Research Centre and 103 specimens from the Ngorongoro Crater. The five smaller reserves (Maswa, Grumeti, Ikoma, Ikorongo and Loliondo) have few collections compared to the Serengeti National Park and the Ngorongoro Conservation Area.

![Figure 1. Distribution of grass specimens within the Serengeti Ecosystem Region](image)

Discussion

The SER has a comparable number of grass species to other Tanzania National Parks with 200 species. The Selous Game Reserve checklist (Vollesen 1980) recorded 239 species of Poaceae and the Mkomazi National Park (Vollesen et al. 1999) recorded 123 species. There is also a similar low level of endemicity with only one Tanzanian endemic species found in the SER, one Tanzanian endemic in the Selous Game Reserve and no endemic species in the Mkomazi National Park. In this checklist over a quarter of species are only known from one herbarium specimen. Further research into these species is required, to determine whether they are genuinely rare or merely undercollected. The digitisation of grasses from East African herbaria, Kew and using GBIF records allowed us to find records of these undercollected species: if the checklist had been produced with only East African or only European herbarium specimens then some of these species would have been missed.

The checklist allows researchers to see which species have been commonly collected by botanists but there may be some bias. There is a strong bias in the places that botanists have collected with high numbers of specimens from near the Serengeti Wildlife Research Centre and the Ngorongoro Crater.
Institute and at the Ngorongoro Crater but there also could be a bias towards collection of the most attractive or well known species.

Acknowledgements

The authors thank Tim Pearce and Kaj Vollesen for supporting JEN visit to Kew; Simon Kangethe and John Kimeu for contributing specimen data from EA and answering queries; digitisation staff at NHT and EA for data entry and georeferencing work; research staff at the Serengeti Wildlife Research Centre and finally Michael T Anderson and James Probert for contributing unpublished species lists for the Serengeti to allow us to ensure we had not missed any species for this checklist.

Author contributions

EW, JEN and MV designed research, JEN and EW collected data, EW, PF and MV analysed data, EW and MV wrote the paper and all authors commented on paper.

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Supplementary material

Suppl. material 1: Checklist of Serengeti Ecosystem Grasses

**Authors:** E.V.Williams, J. Elia Ntandu, P.Ficinski & M.Vorontsova

**Data type:** Species occurrences

**Brief description:** Checklist of species with species names including authorities, place of publication, global distribution and specimen citation (locality collected, principal collector, collector’s number and herbaria duplicates).

**Filename:** Checklist of Serengeti Ecosystem Grasses_supplementaryfile.pdf - Download file

(504.67 kb)