Supporting information for:

Pesticide residues in daily bee pollen samples (April-July) from an intensive agricultural region in Southern Germany

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Table S1 Analyzed Substances with classification, LOD [ng/g] and LOQ [ng/g] as obtained by the laboratory (LUFA)

| Substances                  | Class          | LOD [ng/g] | LOQ [ng/g] |
|-----------------------------|----------------|------------|------------|
| Acephate                    | insecticide    | 2          | 5          |
| Acetamiprid                 | insecticide    | 1          | 3          |
| Acetochlor                  | herbicide      | 1          | 3          |
| Acibenzolar -s- methyl      | fungicide      | 1          | 3          |
| Alachlor                    | fungicide      | 1          | 3          |
| Aldicarb                    | fungicide      | 1          | 3          |
| Ametryne                    | herbicide      | 1          | 3          |
| Aminocarb                   | insecticide    | 1          | 3          |
| Anilatraz-formamid          | insecticide    | 1          | 3          |
| Atrazin                     | herbicide      | 1          | 3          |
| Azaconazole                 | fungicide      | 1          | 3          |
| Azadirachtin                | insecticide    | 2          | 5          |
| Azamethio phosph            | insecticide    | 1          | 3          |
| Azinphos-methyl             | insecticide    | 1          | 3          |
| Azoxystrin                  | fungicide      | 1          | 3          |
| Beflubutamid                | herbicide      | 1          | 3          |
| Bendiocarb                  | insecticide    | 2          | 5          |
| Benthiavalicarb-isopropyl   | fungicide      | 1          | 3          |
| Benovindiflupyr             | fungicide      | 1          | 3          |
| Bitertanol                  | fungicide      | 1          | 3          |
| Boscalid                    | fungicide      | 1          | 3          |
| Bromacil                    | herbicide      | 2          | 5          |
| Butafenacil                 | herbicide      | 1          | 3          |
| Butylat                     | herbicide      | 1          | 3          |
| Carbaryl                    | insecticide    | 1          | 3          |
| Carbendazim                 | fungicide      | 1          | 3          |
| Carbethamid                 | herbicide      | 1          | 3          |
| Carbofuran                  | insecticide    | 1          | 3          |
| Carboxin                    | fungicide      | 1          | 3          |
| Carfentrazone-ethyl         | herbicide      | 1          | 3          |
| Chlorantraniliprole         | insecticide    | 1          | 3          |
| Chlorfluazuron              | insecticide    | 1          | 3          |
| Chloridazon                 | herbicide      | 2          | 5          |
| Chloroxuron                 | herbicide      | 1          | 3          |
| Chlortoluron                | herbicide      | 1          | 3          |
| Cinidion-ethyl              | herbicide      | 1          | 3          |
| Cloethidin                  | herbicide      | 1          | 3          |
| Climbazole                  | fungicide      | 5          | 15         |
| Clodinafop-propargyl        | herbicide      | 1          | 3          |
| Clofentezin                 | insecticide    | 2          | 5          |
| Cloquintocet-mexyl          | herbicide      | 2          | 5          |
| Clothianidin                | insecticide    | 1          | 3          |
| Chemical     | Category       | Rate 1 | Rate 3 |
|--------------|----------------|--------|--------|
| Coumaphos    | insecticide    | 1      | 3      |
| Cyanazine    | herbicide      | 1      | 3      |
| Cyazofamid   | fungicide      | 1      | 3      |
| Cybutryn     | fungicide      | 2      | 5      |
| Cycoat       | herbicide      | 1      | 3      |
| Cyflufenamid | fungicide      | 1      | 3      |
| Cymoxanil    | fungicide      | 2      | 5      |
| Cypermethrin | insecticide    | 1      | 3      |
| Cyprodinil   | fungicide      | 1      | 3      |
| DEET         | insecticide    | 2      | 5      |
| Deltamethrin | insecticide    | 1      | 3      |
| Demeton-S-methyl | insecticide | 1      | 3      |
| Demeton-S-methyl-sulfone | insecticide | 1      | 3      |
| Diazinon     | insecticide    | 1      | 3      |
| Diclobutrazol| fungicide      | 2      | 3      |
| Diclofop-methyl | herbicide    | 2      | 3      |
| Diclorvos    | insecticide    | 2      | 3      |
| Dicrotophos  | herbicide      | 1      | 3      |
| Dithofencarb | fungicide      | 1      | 3      |
| Difenconazole| fungicide      | 1      | 3      |
| Diflubenzuron| insecticide    | 1      | 3      |
| Diflufenican | herbicide      | 1      | 3      |
| Dimefox      | insecticide    | 1      | 3      |
| Dimefuron    | herbicide      | 1      | 3      |
| Dimethachlor | herbicide      | 1      | 3      |
| Dinethenamid | herbicide      | 1      | 3      |
| Dimethoat    | insecticide    | 1      | 3      |
| Dimethomorph | fungicide      | 1      | 3      |
| Dimoxystrobin| fungicide      | 1      | 3      |
| Dinotefuran  | insecticide    | 2      | 5      |
| Duron        | herbicide      | 1      | 3      |
| EPN          | insecticide    | 1      | 3      |
| Epoxiconazole| fungicide      | 1      | 3      |
| EPTC         | herbicide      | 1      | 3      |
| Etaconazole  | fungicide      | 1      | 3      |
| Ethidimuron  | herbicide      | 1      | 3      |
| Ethiofencarb | insecticide    | 2      | 5      |
| Ethiofencarb-sulfone | insecticide | 1      | 3      |
| Ethiofencarb-sulfoxide | insecticide | 1      | 3      |
| Ethofumesate | herbicide      | 5      | 15     |
| Etoxazole    | insecticide    | 2      | 5      |
| Fenamidon    | fungicide      | 1      | 3      |
| Fenchlorazol-ethyl | fungicide | 2      | 5      |
| Fenhexamid   | fungicide      | 2      | 10     |
| Fenothiocarb | insecticide    | 1      | 3      |
| Chemical Name          | Category     | Value 1 | Value 2 | Value 3 |
|-----------------------|--------------|---------|---------|---------|
| Fenoxycarb            | insecticide  | 1       | 3       |
| Fenpiclonil           | fungicide    | 1       | 3       |
| Fentropropimorph      | fungicide    | 2       | 5       |
| Fenpyrazam            | fungicide    | 1       | 3       |
| Fenpyroximate         | insecticide  | 1       | 3       |
| Fenthion-oxon         | insecticide  | 1       | 3       |
| Fenthion-oxon-sulfone | insecticide  | 1       | 3       |
| Fenthion-oxon-sulfoxide| insecticide  | 1       | 3       |
| Fenuron               | herbicide    | 1       | 3       |
| Flonicamid            | insecticide  | 1       | 3       |
| Florasulam            | herbicide    | 1       | 3       |
| Flufenacet            | herbicide    | 1       | 3       |
| Flufenoxuron          | insecticide  | 1       | 3       |
| Flumioxazin           | herbicide    | 3       | 10      |
| Fluopicolide          | fungicide    | 1       | 3       |
| Fluopyram             | fungicide    | 2       | 5       |
| Flixofostrobin        | fungicide    | 1       | 3       |
| Flupyradifuron        | insecticide  | 2       | 5       |
| Fluralaxyl            | fungicide    | 1       | 3       |
| Flurprimidol          | plant regulator | 2   | 5       |
| Flurtamson            | herbicide    | 1       | 3       |
| Flutolanil            | fungicide    | 1       | 3       |
| Flutriafol            | fungicide    | 1       | 3       |
| Fluxapyroxad          | fungicide    | 1       | 3       |
| Forchlorfenuron       | plant regulator | 2   | 5       |
| Fostthiazate          | insecticide  | 1       | 3       |
| Furathiocarb          | insecticide  | 1       | 3       |
| Halachlorothiazate    | herbicide    | 1       | 3       |
| Halaluxifen-methyl    | herbicide    | 1       | 3       |
| Halfenprox            | insecticide  | 3       | 5       |
| Hexazinone            | herbicide    | 1       | 3       |
| Hexythiazox           | insecticide  | 2       | 5       |
| Idosulfuron           | herbicide    | 2       | 5       |
| Imazalil              | fungicide    | 3       | 10      |
| Imibenconazole        | fungicide    | 2       | 5       |
| Imidacloprid          | insecticide  | 1       | 3       |
| Indaziflam            | herbicide    | 2       | 5       |
| Indoxacarb            | insecticide  | 1       | 3       |
| Iprovalicarb          | fungicide    | 1       | 3       |
| Isothiophotolane      | fungicide    | 2       | 5       |
| Isoproturon           | herbicide    | 3       | 5       |
| Isopyrazam            | fungicide    | 1       | 3       |
| Isoxaben              | herbicide    | 1       | 3       |
| Isoxadifen-ethyl      | herbicide safener | 1   | 3       |
| Kresoxim-methyl       | fungicide    | 2       | 5       |
| Lenacil               | herbicide    | 2       | 5       |
| Chemical Name         | Category          | Value 1 | Value 2 |
|-----------------------|-------------------|---------|---------|
| Linuron               | herbicide         | 1       | 3       |
| Lufenuron             | insecticide       | 1       | 3       |
| Mandipropamid         | fungicide         | 1       | 3       |
| Mefenpyr-diethyl      | herbicide safener | 1       | 3       |
| Mepronil              | fungicide         | 1       | 3       |
| Mesosulfuron-methyl   | herbicide         | 1       | 3       |
| Metaflumizone         | insecticide       | 1       | 3       |
| Metalaxyl             | fungicide         | 1       | 3       |
| Metamitron            | herbicide         | 2       | 5       |
| Metaazachlor          | herbicide         | 1       | 3       |
| Metconazole           | fungicide         | 2       | 5       |
| Methabenzthiazuron    | herbicide         | 1       | 3       |
| Methamidophos         | insecticide       | 2       | 5       |
| Methiocarb            | insecticide       | 1       | 3       |
| Methiocarb-sulfone    | insecticide       | 1       | 3       |
| Methiocarb-sulfoxide  | insecticide       | 1       | 3       |
| Methomyl              | insecticide       | 1       | 3       |
| Methoxyfenozide       | insecticide       | 1       | 3       |
| Metobromuron          | herbicide         | 1       | 3       |
| Metolachlor           | herbicide         | 2       | 5       |
| Metokarb              | insecticide       | 3       | 10      |
| Metosulam             | herbicide         | 3       | 10      |
| Metoxuron             | herbicide         | 1       | 3       |
| Metrafenone           | fungicide         | 1       | 3       |
| Metribuzin            | herbicide         | 1       | 3       |
| Metsulfuron-methyl    | herbicide         | 1       | 3       |
| Molinate              | herbicide         | 1       | 3       |
| Myclobutanil          | fungicide         | 2       | 5       |
| Nefuron               | herbicide         | 2       | 5       |
| Nitenpyram            | herbicide         | 1       | 3       |
| Norflurazon           | herbicide         | 1       | 3       |
| Novaluron             | insecticide       | 1       | 3       |
| Ofurace               | fungicide         | 1       | 3       |
| Omethoat              | insecticide       | 3       | 10      |
| Oxadiargyl            | herbicide         | 1       | 3       |
| Oxadiazon             | herbicide         | 1       | 3       |
| Oxadixyl              | fungicide         | 5       | 15      |
| Oxamyl                | insecticide       | 1       | 3       |
| Oxathiapiprolin       | fungicide         | 1       | 3       |
| Oxydemeton-S-methyl   | insecticide       | 5       | 15      |
| Paclobutrazol         | fungicide         | 10      | 20      |
| Pefulat               | herbicide         | 1       | 3       |
| Penconazole           | fungicide         | 1       | 3       |
| Pencycuron            | fungicide         | 1       | 3       |
| Chemical Name       | Category   | Dilution |
|---------------------|------------|----------|
| Pendimethalin       | Herbicide  | 2        |
| Penflufen           | Fungicide  | 1        |
| Penoxsulam          | Herbicide  | 1        |
| Penthiopyrad        | Fungicide  | 1        |
| Pethoxamid          | Herbicide  | 1        |
| Phenisopham         | Herbicide  | 1        |
| Phennedipham        | Herbicide  | 3        |
| Phosfolan           | Insecticide| 1        |
| Phosmet             | Insecticide| 1        |
| Picaridin           | Insecticide| 5        |
| Picolinadifen       | Herbicide  | 2        |
| Picoxystrobin       | Fungicide  | 1        |
| Pirimicarb          | Insecticide| 1        |
| Pirimicarb-desmethyl| Insecticide| 2        |
| Pirimicarb-methyl   | Insecticide| 1        |
| Prochloraz          | Fungicide  | 2        |
| Promecarb           | Insecticide| 2        |
| Prometon            | Herbicide  | 1        |
| Prometryn           | Herbicide  | 2        |
| Propaquizafop       | Herbicide  | 1        |
| Propazin            | Herbicide  | 1        |
| Propetamphos        | Insecticide| 1        |
| Propham             | Herbicide  | 1        |
| Propoxur            | Insecticide| 3        |
| Propyzamide         | Herbicide  | 1        |
| Proquimazid         | Fungicide  | 3        |
| Prosullocarb        | Herbicide  | 1        |
| Prosulfuron         | Herbicide  | 1        |
| Prothioconazole     | Fungicide  | 2        |
| Pyraclostrobin      | Fungicide  | 2        |
| Pyraflufen-ethyl    | Herbicide  | 1        |
| Pyrethrin           | Insecticide| 2        |
| Pyridalyl           | Insecticide| 2        |
| Pyrimethanil        | Fungicide  | 2        |
| Pyrimidifen         | Insecticide| 1        |
| Pyriofenon          | Fungicide  | 1        |
| Pyroxasulfone       | Herbicide  | 1        |
| Pyroxsulam          | Herbicide  | 1        |
| Quinoclamin         | Herbicide  | 2        |
| Rotenon             | Insecticide| 2        |
| Saflufenacil        | Herbicide  | 2        |
| Sethoxydim          | Herbicide  | 1        |
| Simazin             | Herbicide  | 1        |
| Spinosyn A          | Insecticide| 3        |
| Spirodiclofen       | Insecticide| 2        |
| Chemical Name               | Category       | Code1 | Code2 |
|----------------------------|----------------|-------|-------|
| Spiromesifen               | Insecticide    | 1     | 3     |
| Spirotetramat             | Insecticide    | 1     | 3     |
| Sulfentrazole             | Herbicide      | 1     | 3     |
| Sulfosulfuron             | Herbicide      | 1     | 3     |
| Sulfoxadiflor             | Insecticide    | 1     | 3     |
| Sulprofos                 | Insecticide    | 2     | 5     |
| Tau-Fluvalinate           | Insecticide    | 1     | 3     |
| Tebuconazole              | Fungicide      | 2     | 5     |
| Tebufenozide              | Insecticide    | 1     | 3     |
| Tebufenpyrad              | Insecticide    | 1     | 3     |
| Tebutam                   | Herbicide      | 1     | 3     |
| Teflubenzuron             | Insecticide    | 1     | 3     |
| Tepraloxydim              | Herbicide      | 1     | 3     |
| Terbumeton                | Herbicide      | 2     | 5     |
| Terbuthylazine            | Herbicide      | 2     | 5     |
| Terbuthylazine-desethyl   | Herbicide      | 2     | 5     |
| Terbutryn                 | Herbicide      | 1     | 3     |
| Tetrachlorvinphos         | Insecticide    | 2     | 5     |
| Thiacloprid               | Insecticide    | 1     | 3     |
| Thiamethoxam              | Insecticide    | 1     | 3     |
| Thifensulfuron-methyl     | Herbicide      | 1     | 3     |
| Thiodicarb                | Herbicide      | 1     | 3     |
| Thiophanate-methyl        | Fungicide      | 1     | 3     |
| Tolfenpyrad               | Insecticide    | 2     | 5     |
| Tralkoxydim               | Herbicide      | 2     | 5     |
| Triadimenol               | Fungicide      | 2     | 5     |
| Triasulfuron              | Herbicide      | 1     | 3     |
| Tribenuron-methyl         | Herbicide      | 2     | 5     |
| Trichlorfon               | Insecticide    | 1     | 3     |
| Tricyclazole              | Fungicide      | 3     | 10    |
| Trifloxystrobin           | Fungicide      | 1     | 3     |
| Triflumizole              | Fungicide      | 1     | 3     |
| Triflusulfuron-methyl     | Herbicide      | 2     | 5     |
| Triforin                  | Fungicide      | 1     | 3     |
| Triticonzole              | Fungicide      | 1     | 3     |
| Uniconazole               | Plant regulator | 1     | 3     |
| Valifenalat               | Fungicide      | 1     | 3     |
| Vanidothion               | Insecticide    | 1     | 3     |
| Zoxamide                  | Fungicide      | 2     | 5     |
Table S2 Recovery rates showed as mean data calculated by four blind samples

| Substances             | R1 [%] | R2 [%] | R3 [%] | R4 [%] | mean recovery [%] | standard deviation [%] |
|------------------------|--------|--------|--------|--------|-------------------|------------------------|
| Acephate               | 67     | 56     | 56     | 52     | 58                | 11                     |
| Acetamiprid            | 106    | 77     | 74     | 80     | 84                | 17                     |
| Acetochlor             | 143    | 111    | 135    | 92     | 120               | 19                     |
| Acibenzolar -s- methyl | 71     | 75     | 82     | 72     | 75                | 6                      |
| Alachlor               | 74     | 58     | 84     | 82     | 75                | 16                     |
| Aldicarb               | 96     | 90     | 87     | 72     | 86                | 12                     |
| Ametryne               | 78     | 54     | 66     | 67     | 66                | 15                     |
| Aminocarb              | 59     | 52     | 45     | 43     | 50                | 14                     |
| Amitraz-formamid       | 121    | 74     | 149    | 124    | 117               | 27                     |
| Atrazin                | 96     | 70     | 85     | 82     | 83                | 13                     |
| Azaconazole            | 96     | 62     | 93     | 88     | 85                | 19                     |
| Azadichlorin           | 137    | 119    | 115    | 133    | 126               | 9                      |
| Azamethiophos          | 111    | 89     | 106    | 134    | 110               | 17                     |
| Azinphos-methyl        | 101    | 90     | 105    | 110    | 101               | 8                      |
| Azoxyctrolin           | 122    | 108    | 133    | 128    | 123               | 9                      |
| Beflubutamid           | 127    | 130    | 115    | 126    | 124               | 5                      |
| Bendioctyl             | 119    | 53     | 133    | 117    | 105               | 34                     |
| Benthiavalicarb-isopropyl | 124   | 97      | 119   | 119    | 115               | 10                     |
| Bensovinidiflupyr      | 126    | 108    | 136    | 119    | 122               | 9                      |
| Bitertanol             | 101    | 93     | 106    | 102    | 101               | 6                      |
| Boscalid               | 110    | 90     | 115    | 103    | 105               | 10                     |
| Bromacil               | 91     | 63     | 82     | 76     | 78                | 15                     |
| Butafenacil            | 155    | 125    | 158    | 180    | 154               | 15                     |
| Butylat                | 56     | 58     | 49     | 44     | 52                | 13                     |
| Carbaryl               | 85     | 99     | 94     | 66     | 86                | 17                     |
| Carbendazim            | 49     | 44     | 43     | 39     | 44                | 9                      |
| Carbetamid             | 82     | 82     | 119    | 85     | 92                | 20                     |
| Carbofuran             | 105    | 96     | 108    | 105    | 103               | 5                      |
| Carboxin               | 90     | 85     | 77     | 70     | 80                | 11                     |
| Carfentrazole-ethyl    | 159    | 117    | 142    | 125    | 136               | 14                     |
| Chlorantraniliprole    | 127    | 113    | 123    | 117    | 120               | 5                      |
| Chlorfluazuron         | 79     | 81     | 78     | 76     | 78                | 3                      |
| Chloridazon            | 78     | 62     | 74     | 71     | 71                | 10                     |
| Chloroxuron            | 140    | 91     | 115    | 88     | 109               | 22                     |
| Chlortoluon            | 91     | 88     | 92     | 67     | 84                | 14                     |
| Cineon-ethyl           | 82     | 81     | 90     | 79     | 83                | 6                      |
| Clethodim              | 52     | 51     | 46     | 51     | 50                | 5                      |
| Cimbazole              | 125    | 73     | 60     | 61     | 80                | 39                     |
| Clodinafop-propargyl   | 129    | 110    | 119    | 110    | 117               | 8                      |
| Clofentezin            | 70     | 59     | 63     | 54     | 62                | 11                     |
| Cloquintocet-mexyl     | 64     | 55     | 57     | 55     | 58                | 7                      |
| Clothianidin           | 78     | 79     | 81     | 69     | 77                | 7                      |
| Chemical Name          | Value 1 | Value 2 | Value 3 | Value 4 | Value 5 | Value 6 |
|------------------------|---------|---------|---------|---------|---------|---------|
| Coumaphos              | 113     | 100     | 107     | 95      | 104     | 8       |
| Cyanazin               | 83      | 72      | 147     | 91      | 98      | 34      |
| Cyazofamid             | 105     | 87      | 115     | 110     | 104     | 12      |
| Cybutryn               | 73      | 51      | 55      | 53      | 58      | 18      |
| Cycloate               | 53      | 40      | 52      | 37      | 45      | 18      |
| Cyflufenamid           | 103     | 105     | 111     | 97      | 104     | 5       |
| Cymoxanil              | 84      | 55      | 80      | 45      | 66      | 29      |
| Cypermethrin           | 73      | 79      | 80      | 78      | 78      | 4       |
| Cyprodinil             | 25      | 44      | 27      | 19      | 29      | 36      |
| DEET                   | 105     | 72      | 111     | 87      | 94      | 19      |
| Deltamethrin           | 90      | 96      | 104     | 86      | 94      | 8       |
| Demeton-S-methyl       | 53      | 52      | 37      | 40      | 45      | 18      |
| Demeton-S-methyl-sulfone | 91   | 81      | 84      | 79      | 84      | 6       |
| Diazinon               | 44      | 19      | 25      | 27      | 29      | 36      |
| Diclofutrazol          | 97      | 82      | 103     | 95      | 94      | 10      |
| Diclofop-methyl        | 89      | 68      | 82      | 81      | 80      | 11      |
| Diclorvos              | 121     | 117     | 134     | 106     | 120     | 10      |
| Dicrotophos            | 76      | 65      | 73      | 69      | 70      | 7       |
| Diethofencarb          | 91      | 95      | 95      | 104     | 96      | 6       |
| Difenconazole          | 88      | 86      | 93      | 81      | 87      | 6       |
| Diflubenzuron          | 84      | 75      | 82      | 77      | 79      | 5       |
| Diflufenican           | 99      | 86      | 94      | 95      | 94      | 6       |
| Dimefox                | 60      | 46      | 48      | 42      | 49      | 15      |
| Dimefuron              | 130     | 106     | 112     | 120     | 117     | 9       |
| Dimethachlor           | 106     | 88      | 130     | 111     | 109     | 16      |
| Dinethenamid          | 106     | 109     | 94      | 81      | 98      | 13      |
| Dimethoat              | 89      | 67      | 80      | 74      | 78      | 12      |
| Dimethomorph           | 117     | 110     | 117     | 120     | 116     | 4       |
| Dimoxystrobin          | 114     | 96      | 122     | 102     | 108     | 11      |
| Dinitofuran            | 74      | 64      | 64      | 60      | 65      | 9       |
| Diuron                 | 81      | 67      | 76      | 66      | 73      | 10      |
| EPN                    | 91      | 80      | 75      | 84      | 82      | 8       |
| Epoxiconazole          | 89      | 77      | 85      | 73      | 81      | 9       |
| EPTC                   | 91      | 54      | 63      | 47      | 64      | 31      |
| Etaconazole            | 86      | 78      | 80      | 63      | 77      | 13      |
| Ethidimuron            | 92      | 72      | 100     | 79      | 86      | 15      |
| Ethiofencarb           | 73      | 72      | 77      | 62      | 71      | 9       |
| Ethiofencarb-sulfone   | 82      | 66      | 79      | 72      | 75      | 10      |
| Ethiofencarb-sulfoxide | 61      | 52      | 53      | 51      | 54      | 9       |
| Ethofumesate           | 146     | 108     | 132     | 110     | 124     | 15      |
| Etoxazole              | 70      | 69      | 75      | 72      | 71      | 4       |
| Fenamidon              | 104     | 102     | 116     | 99      | 105     | 7       |
| Fenchlorazol-ethyl     | 97      | 82      | 97      | 90      | 91      | 8       |
| Fenhexamid             | 48      | 48      | 43      | 36      | 44      | 13      |
| Fenothiocarb           | 70      | 85      | 94      | 61      | 77      | 19      |
| Compound                  | 104 | 87  | 97  | 95  | 96  | 8 |
|---------------------------|-----|-----|-----|-----|-----|---|
| Fenoxycarb                | 104 | 87  | 97  | 95  | 96  | 8 |
| Fenpiclonil               | 37  | 0   | 79  | 0   | 29  | 129 |
| Fenpropimorph             | 63  | 46  | 54  | 54  | 54  | 13 |
| Fenpyrazamin              | 108 | 87  | 113 | 102 | 102 | 11 |
| Fenpyroximate             | 78  | 79  | 85  | 84  | 82  | 4  |
| Fenthion-oxon             | 103 | 78  | 92  | 84  | 89  | 12 |
| Fenthion-oxon-sulfone     | 141 | 103 | 105 | 99  | 112 | 17 |
| Fenthion-oxon-sulfoxide   | 42  | 26  | 55  | 48  | 43  | 29 |
| Fenuron                   | 107 | 75  | 91  | 83  | 89  | 15 |
| Flonicamid                | 97  | 77  | 83  | 77  | 83  | 11 |
| Flurasulam                | 51  | 50  | 47  | 43  | 48  | 8  |
| Flufenacet                | 120 | 123 | 125 | 105 | 118 | 8  |
| Flufenoxuron              | 88  | 83  | 90  | 81  | 86  | 5  |
| Flumioxazin               | 149 | 74  | 171 | 117 | 128 | 33 |
| Fluopicolide              | 128 | 126 | 122 | 116 | 123 | 4  |
| fluopyram                 | 124 | 114 | 132 | 128 | 125 | 6  |
| Fhoxastrobin              | 116 | 110 | 123 | 117 | 116 | 5  |
| Flupyradifuron            | 99  | 91  | 89  | 79  | 90  | 9  |
| Fluralaxy1                | 95  | 95  | 122 | 119 | 107 | 14 |
| Flurprimidol              | 93  | 100 | 86  | 95  | 94  | 6  |
| Flurtamon                 | 109 | 100 | 128 | 125 | 115 | 12 |
| Flutolane                 | 158 | 118 | 183 | 173 | 158 | 18 |
| Flutriafol                | 76  | 74  | 90  | 62  | 76  | 15 |
| Fluxapyroxad              | 131 | 108 | 157 | 146 | 135 | 16 |
| Forchlorfenuron           | 48  | 44  | 42  | 31  | 41  | 18 |
| Fostthiazate              | 94  | 84  | 99  | 96  | 93  | 7  |
| Furathiocarb              | 89  | 98  | 86  | 82  | 89  | 8  |
| Haloxifen-methyl          | 108 | 105 | 125 | 115 | 113 | 8  |
| Halfenprox                | 33  | 35  | 39  | 35  | 35  | 7  |
| Hexazinone                | 64  | 49  | 68  | 70  | 63  | 15 |
| Hexythiazoxy              | 63  | 61  | 66  | 64  | 64  | 3  |
| Idosulfuron               | 49  | 68  | 48  | 62  | 57  | 17 |
| Imazalil                  | 31  | 33  | 40  | 40  | 36  | 13 |
| Imibenconazole            | 80  | 77  | 84  | 85  | 81  | 5  |
| Imidacloprid              | 87  | 62  | 82  | 62  | 73  | 18 |
| Indaziflam                | 65  | 64  | 67  | 63  | 65  | 2  |
| Indoxacarb                | 144 | 127 | 143 | 126 | 135 | 7  |
| Iprovalicarb              | 111 | 88  | 125 | 97  | 105 | 15 |
| Isoprothiolan             | 102 | 81  | 111 | 92  | 97  | 14 |
| Isoprotron                 | 99  | 83  | 74  | 84  | 85  | 12 |
| Isopyrazam                | 114 | 98  | 113 | 92  | 104 | 10 |
| Isoxaben                  | 131 | 90  | 125 | 131 | 119 | 17 |
| Isoxadifen-ethyl          | 142 | 73  | 117 | 137 | 117 | 27 |
| Kresoxim-methyl           | 118 | 99  | 122 | 124 | 116 | 10 |
| Lenacil                   | 81  | 55  | 70  | 79  | 71  | 16 |
| Compound                  | 124 | 83  | 118 | 90  | 104 | 20  |
|---------------------------|-----|-----|-----|-----|-----|-----|
| Linuron                   | 93  | 82  | 86  | 86  | 87  | 5   |
| Lufenuron                 | 156 | 122 | 150 | 132 | 140 | 11  |
| Mandipropamid             | 118 | 118 | 175 | 117 | 132 | 22  |
| Mefenpyr-diethyl          | 67  | 46  | 56  | 49  | 55  | 18  |
| Mepanipyrim               | 92  | 82  | 71  | 65  | 78  | 16  |
| Mesosulfuron-methyl       | 53  | 63  | 50  | 46  | 53  | 13  |
| Metaflumizone             | 129 | 106 | 123 | 121 | 120 | 8   |
| Metalaxyl                 | 87  | 88  | 97  | 81  | 88  | 7   |
| Metamitron                | 78  | 37  | 73  | 63  | 63  | 29  |
| Metazachlor               | 78  | 111 | 92  | 79  | 90  | 17  |
| Methabenzthiazuron        | 92  | 66  | 78  | 71  | 77  | 15  |
| Methamidophos             | 71  | 61  | 84  | 68  | 71  | 14  |
| Methiocarb                | 100 | 75  | 90  | 113 | 94  | 17  |
| Methiocarb-sulfone        | 100 | 64  | 91  | 106 | 90  | 21  |
| Methiocarb-sulfoxide      | 76  | 64  | 70  | 63  | 68  | 8   |
| Methomyl                  | 99  | 79  | 77  | 73  | 82  | 14  |
| Methoxyfenozide           | 147 | 128 | 103 | 139 | 129 | 15  |
| Metobromuron              | 90  | 68  | 100 | 99  | 89  | 17  |
| Metolachlor               | 78  | 82  | 84  | 83  | 82  | 3   |
| Metolcarb                 | 160 | 115 | 235 | 118 | 157 | 36  |
| Metosulam                 | 61  | 42  | 66  | 43  | 53  | 23  |
| Metoxuron                 | 106 | 75  | 99  | 71  | 88  | 20  |
| Metrafenone               | 107 | 104 | 114 | 125 | 113 | 8   |
| Metribuzin                | 61  | 56  | 76  | 50  | 61  | 18  |
| Metsulfuron-methyl        | 42  | 56  | 42  | 44  | 46  | 14  |
| Molinate                  | 80  | 81  | 68  | 56  | 71  | 16  |
| Myclobutanil              | 106 | 114 | 121 | 86  | 106 | 14  |
| Neburon                   | 75  | 67  | 79  | 72  | 73  | 7   |
| Nitenpyram                | 23  | 7   | 33  | 54  | 29  | 67  |
| Norflurazon               | 98  | 98  | 110 | 109 | 104 | 6   |
| Novaluron                 | 94  | 79  | 111 | 96  | 95  | 13  |
| Ofurace                   | 108 | 77  | 100 | 100 | 96  | 14  |
| Omethoat                  | 74  | 66  | 65  | 63  | 67  | 8   |
| Oxadiargyl                | 145 | 60  | 161 | 47  | 103 | 56  |
| Oxadiazon                 | 108 | 99  | 109 | 97  | 103 | 6   |
| Oxadixyl                  | 90  | 71  | 111 | 83  | 89  | 19  |
| Oxamyl                    | 73  | 79  | 108 | 82  | 86  | 18  |
| Oxathiapiprolin           | 98  | 98  | 116 | 95  | 102 | 10  |
| Oxydemeton-S-methyl       | 58  | 91  | 37  | 45  | 58  | 41  |
| Paclorbutrazol            | 97  | 85  | 77  | 68  | 82  | 15  |
| Pebulat                   | 67  | 60  | 47  | 45  | 55  | 19  |
| Penconazole               | 61  | 53  | 61  | 44  | 55  | 14  |
| Pencycuron                | 80  | 83  | 78  | 74  | 79  | 4   |
| Compound               | 57 | 57 | 49 | 47 | 53 | 9 |
|------------------------|----|----|----|----|----|---|
| Pendimethalin          | 84 | 82 | 94 | 85 | 86 | 6 |
| Penflufen              | 60 | 45 | 49 | 43 | 49 | 15|
| Penoxsulam             | 135| 90 | 124| 93 | 111| 20|
| Penthiopyrad           | 110| 100| 114| 94 | 104| 9 |
| Phosmet                | 87 | 68 | 93 | 78 | 82 | 13|
| Phosmet                | 113| 106| 96 | 111| 107| 7 |
| Penoxsulam             | 117| 118| 144| 104| 121| 14|
| Pirimicarb             | 61 | 49 | 47 | 54 | 53 | 12|
| Pirimicarb-desmethyl   | 64 | 56 | 48 | 47 | 54 | 15|
| Pirimicarb-methyl      | 113| 88 | 101| 82 | 96 | 14|
| Prochloraz             | 76 | 71 | 74 | 66 | 72 | 6 |
| Promecarb              | 89 | 95 | 108| 106| 100| 9 |
| Prometon               | 90 | 62 | 73 | 64 | 72 | 17|
| Prometryn              | 67 | 64 | 69 | 57 | 64 | 8 |
| Propyziquafop          | 102| 100| 118| 99 | 105| 8 |
| Propazin               | 77 | 80 | 76 | 69 | 75 | 6 |
| Propetamphos           | 130| 92 | 87 | 126| 109| 20|
| Propham                | 94 | 82 | 70 | 64 | 78 | 17|
| Propoxur               | 99 | 92 | 122| 80 | 98 | 18|
| Propyzamide            | 91 | 94 | 109| 97 | 98 | 8 |
| Proquimazid            | 40 | 45 | 42 | 42 | 42 | 5 |
| Prosulphocarb          | 67 | 57 | 65 | 51 | 60 | 13|
| Prosulfuron            | 38 | 40 | 41 | 32 | 38 | 11|
| Prothioconazole        | 70 | 77 | 81 | 73 | 75 | 6 |
| Pyraclostrobin         | 108| 88 | 111| 95 | 100| 11|
| Pyraflufen-ethyl       | 166| 121| 145| 126| 139| 15|
| Pyrethrin              | 72 | 69 | 76 | 71 | 72 | 4 |
| Pyridalyl              | 37 | 38 | 41 | 40 | 39 | 4 |
| Pyrimethanol           | 59 | 48 | 52 | 71 | 57 | 18|
| Pyrimidifen            | 49 | 37 | 47 | 43 | 44 | 12|
| Pyriofenon             | 106| 91 | 94 | 96 | 97 | 7 |
| Pyroxasulfone          | 91 | 93 | 100| 88 | 93 | 5 |
| Pyroxulam              | 59 | 67 | 77 | 65 | 67 | 11|
| Quinoclamin            | 53 | 85 | 167| 107| 103| 47|
| Rotenon                | 109| 107| 112| 97 | 106| 6 |
| Sulfafenacil           | 58 | 52 | 56 | 63 | 57 | 8 |
| Sethoxydim             | 50 | 50 | 52 | 45 | 49 | 6 |
| Simazin                | 73 | 72 | 77 | 63 | 71 | 9 |
| Spinosyn A             | 30 | 37 | 32 | 31 | 32 | 10|
| Spirodiclofen          | 2  | 4  | 8  | 4  | 4  | 61|
| Chemical Name       | Column 1 | Column 2 | Column 3 | Column 4 | Column 5 | Column 6 |
|---------------------|----------|----------|----------|----------|----------|----------|
| Spiromesifen        | 97       | 97       | 123      | 110      | 107      | 12       |
| Spirotetramat       | 162      | 113      | 127      | 116      | 129      | 18       |
| Sulfentrazone       | 97       | 96       | 93       | 103      | 97       | 4        |
| Sulfosulfuron       | 55       | 97       | 93       | 30       | 69       | 47       |
| Sulfoxaflor         | 102      | 99       | 104      | 92       | 99       | 5        |
| Sulprofos           | 70       | 64       | 66       | 63       | 66       | 5        |
| Tau-Flualinate      | 89       | 82       | 98       | 99       | 92       | 9        |
| Tebuconazole        | 101      | 79       | 91       | 90       | 90       | 10       |
| Tebufenozide        | 108      | 97       | 125      | 99       | 107      | 12       |
| Tebufenpyrad        | 87       | 74       | 81       | 77       | 80       | 7        |
| Tebutham            | 77       | 70       | 81       | 70       | 74       | 7        |
| Teflubenzuron       | 72       | 78       | 71       | 75       | 74       | 5        |
| Tepraloxydim        | 79       | 78       | 92       | 70       | 80       | 11       |
| Terbumenton         | 73       | 51       | 62       | 56       | 61       | 16       |
| Terbuthylazine      | 79       | 74       | 82       | 56       | 73       | 16       |
| Terbuthylazine-desethyl | 78   | 73       | 82       | 64       | 74       | 10       |
| Terbutryn           | 74       | 53       | 66       | 51       | 61       | 18       |
| Tetrachlorvinphos   | 103      | 105      | 95       | 107      | 102      | 5        |
| Thiacloprid         | 91       | 60       | 81       | 76       | 77       | 17       |
| Thiamefoxam         | 98       | 80       | 86       | 85       | 87       | 8        |
| Thifensulfuron-methyl | 48    | 51       | 49       | 35       | 46       | 16       |
| Thioctoxin          | 64       | 47       | 54       | 49       | 53       | 14       |
| Thiodicarb          | 102      | 102      | 101      | 93       | 99       | 4        |
| Thiophanate-methyl  | 92       | 95       | 113      | 105      | 101      | 10       |
| Tolfenpyrad         | 108      | 123      | 151      | 162      | 136      | 18       |
| Tralkoxydim         | 47       | 51       | 53       | 40       | 48       | 12       |
| Triadimenol         | 96       | 80       | 79       | 81       | 84       | 10       |
| Triasulfuron        | 53       | 51       | 56       | 48       | 52       | 6        |
| Tribenuron-methyl   | 53       | 76       | 64       | 75       | 67       | 16       |
| Trichlorfon         | 75       | 58       | 72       | 51       | 64       | 18       |
| Tricyclazole        | 63       | 48       | 45       | 43       | 50       | 18       |
| Trifloxystrobin     | 123      | 102      | 118      | 105      | 112      | 9        |
| Triflumizole        | 86       | 83       | 85       | 75       | 82       | 6        |
| Triflusulfuron-methyl | 58   | 70       | 48       | 63       | 60       | 15       |
| Triforin            | 151      | 143      | 176      | 177      | 162      | 11       |
| Triticonzolene      | 69       | 74       | 72       | 58       | 68       | 11       |
| Uniconazole         | 75       | 65       | 67       | 62       | 67       | 8        |
| Valifenalat         | 130      | 139      | 154      | 154      | 144      | 8        |
| Vamidothion         | 89       | 75       | 79       | 78       | 80       | 8        |
| Zoxamide            | 106      | 136      | 113      | 115      | 117      | 11       |
Table S3 Detailed pesticide residue data as obtained by the laboratory

| Samples          | D1   | D2   | D3   | D4   | D5   | D6   | D7   | D8   | D9   | D10  |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Dates            | 2018-04-12 | 2018-04-15 | 2018-04-16 | 2018-04-17 | 2018-04-18 | 2018-04-19 | 2018-04-20 | 2018-04-21 | 2018-04-22 | 2018-04-23 |
| Acetamiprid      | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| Azoxyostrobin    | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| Boscalid         | 0.00 | 7.51 | 0.00 | 0.21 | 25.38 | 3.22 | 14.00 | 13.00 | 38.00 | 6.00 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenconazole    | 0.00 | 4.58 | 0.00 | 5.57 | 0.00 | 0.09 | 0.00 | 40.00 | 29.00 | 48.00 |
| Diflubenzuron    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 121.25 | 11.49 | 0.00 |
| Dimethenamid     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxy carb      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate    | 0.00 | 98.97 | 6.13 | 7.41 | 4.85 | 0.00 | 0.00 | 68.00 | 10.77 | 0.03 |
| Flonicamid       | 0.00 | 25.24 | 12.86 | 7.70 | 13.08 | 19.17 | 35.00 | 13.39 | 13.47 | 12.00 |
| Fluopyram        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 126.00 | 47.00 | 353.00 |
| Kresoxim-methyl  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb       | 0.00 | 5.61 | 0.19 | 0.00 | 3.98 | 13.88 | 11.00 | 11.00 | 0.00 | 0.00 |
| Myclobutanil     | 0.00 | 227.06 | 27.87 | 23.69 | 20.39 | 11.49 | 12.00 | 334.00 | 128.00 | 23.00 |
| Penconazole      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.12 |
| Pendimethalin    | 0.48 | 0.00 | 0.42 | 0.50 | 0.47 | 0.21 | 0.00 | 0.00 | 0.00 | 1.64 |
| Picaridin        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb       | 0.00 | 0.00 | 0.19 | 0.07 | 0.19 | 0.09 | 0.00 | 0.06 | 0.01 | 0.00 |
| Pyraclostrubin   | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 7.44 | 0.00 | 0.05 |
| Pyrimethanil     | 0.00 | 0.00 | 0.00 | 0.43 | 0.24 | 0.00 | 0.19 | 52.00 | 22.00 | 46.00 |
| Spirodiclofen    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole     | 0.38 | 0.42 | 1.62 | 0.00 | 0.00 | 0.00 | 92.00 | 49.00 | 227.00 | 4527.00 |
|                  | Tebufenozide | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.00 | 412.00 | 99.00 | 58.00 |
|-----------------|--------------|------|------|------|------|------|------|------|-------|------|------|
| Thiacloprid     |              | 5.65 | 201.28 | 33.21 | 26.48 | 18.92 | 3.99 | 7.00 | 258.00 | 103.00 | 21.00 |
| Thiophanate-methyl |            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 |
| Trifloxystrobin |              | 0.28 | 0.42 | 0.02 | 0.05 | 0.00 | 0.45 | 7.00 | 65.00 | 15.00 | 48.00 |
| Sum pesticide concentration/sample | | 6.82 | 571.11 | 82.59 | 72.11 | 87.55 | 52.93 | 386.98 | 1484.00 | 1049.93 | 8837.18 |
| Samples       | D11  | D12  | D13  | D14  | D15  | D16  | D17  | D18  | D19  | D20  |
|---------------|------|------|------|------|------|------|------|------|------|------|
| Dates         | 2018-04-24 | 2018-04-25 | 2018-04-26 | 2018-04-27 | 2018-04-28 | 2018-04-29 | 2018-04-30 | 2018-05-01 | 2018-05-02 | 2018-05-03 |
| Acetamiprid   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.38 | 12.41 | 7.44 | 10.64 |        |
| Azoxytrobin   | 0.00 | 0.00 | 0.18 | 0.25 | 0.23 | 0.46  | 0.18  | 0.16 | 0.00 | 0.10  |
| Boscalid      | 0.44 | 0.25 | 0.00 | 0.00 | 0.00 | 84.24 | 200.57 | 52.59 | 11.25 | 19.53 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Cypinil       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Difenconazole | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Diflubenzuron | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06  | 0.05  | 0.00 | 0.00 | 0.00  |
| Difenconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Dimethanid    | 0.00 | 0.00 | 0.09 | 0.28 | 0.16 | 0.08  | 0.00  | 0.08 | 0.00 | 0.02  |
| Dimethanid    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Fenhexamid    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.12  | 0.00  | 0.00 | 0.00 | 0.00  |
| Fenoxycarb    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Fenpyroximate | 11.93| 0.11 | 0.10 | 0.03 | 0.05 | 0.00  | 0.00  | 0.17 | 0.00 | 0.00  |
| Flonicamid    | 15.00| 13.63| 11.57| 17.89| 8.55 | 5.77  | 3.47  | 4.33 | 0.00 | 0.00  |
| Fluopyram     | 3169.00| 2192.68| 350.02| 993.75| 525.04| 24.74 | 1.88  | 0.45 | 0.00 | 0.00  |
| Kresoxim-methyl | 0.00 | 0.00 | 0.41 | 7.73 | 1.78 | 10.45 | 6.62  | 0.00 | 0.48 | 0.00  |
| Methiocarb    | 0.59 | 0.00 | 0.00 | 3.69 | 3.27 | 4.92  | 3.01  | 0.00 | 0.15 | 4.08  |
| Myclobutanil  | 41.67| 34.55| 7.89 | 12.47| 5.00 | 8.58  | 14.60 | 5.00 | 0.00 | 0.00  |
| Penconazole   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Pendimethalin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Picaridin     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.33  | 0.00 | 0.00 | 0.00  |
| Pirimicarb    | 0.19 | 0.02 | 0.00 | 0.04 | 0.24 | 0.00  | 0.19  | 0.00 | 0.05 | 0.48  |
| Pyraclostrobin| 0.17 | 0.00 | 0.05 | 0.09 | 0.06 | 19.41 | 48.70 | 15.90 | 0.00 | 0.00  |
| Pyrimethanil  | 28.00| 0.00 | 0.00 | 8.98 | 0.00 | 6.99  | 7.09  | 0.00 | 0.00 | 5.53  |
| Spirodiclofen  | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  |
| Tebuconazole  | 3171.00| 902.43| 111.10| 485.34| 216.51| 8.30  | 0.00  | 0.42 | 0.30 | 0.00  |
| Tebufenozide  | 41.00| 25.15| 11.46| 55.43| 16.37| 25.26 | 12.89 | 4.52 | 0.00 | 0.00  |
| Thiacloprid   | 12.00| 22.26| 15.24| 47.12| 11.35| 41.29 | 59.69 | 14.25| 5.30 | 9.13  |
|                 |        |        |        |        |        |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Thiophanate-methyl | 0.24   | 0.00   | 29.67  | 58.72  | 0.00   | 0.00   | 0.00   | 0.23   | 0.00   | 9.80   |
| Trifloxystrobin   | 26.00  | 68.55  | 21.31  | 159.02 | 38.44  | 88.00  | 77.96  | 25.78  | 11.90  | 17.60  |
| Sum pesticide     | 6517.32| 3259.69| 559.08 | 1850.83| 827.10 | 334.69 | 454.56 | 136.27 | 36.90  | 77.38  |

Sum pesticide concentration/sample
| Samples           | D21   | D22   | D23   | D24   | D25   | D26   | D27   | D28   | D29   | D30   |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dates             | 2018-05-04 | 2018-05-05 | 2018-05-06 | 2018-05-07 | 2018-05-08 | 2018-05-09 | 2018-05-11 | 2018-05-12 | 2018-05-13 | 2018-05-18 |
| Acetamiprid       | 0.00  | 0.00  | 30.75 | 0.00  | 4.66  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Azoxybestos       | 0.43  | 0.40  | 12.35 | 7.56  | 0.00  | 14.42 | 6.47  | 6.49  | 0.49  | 0.09  |
| Boscalid          | 43.52 | 54.16 | 4.25  | 6.44  | 5.15  | 0.00  | 6.84  | 6.71  | 13.43 | 7.61  |
| Chlorantraniliprole | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Cyprodinyl        | 0.00  | 0.00  | 79.02 | 47.41 | 22.59 | 6.37  | 34.81 | 190.57| 0.00  | 0.00  |
| Difenonazol        | 0.00  | 0.00  | 3.32  | 6.08  | 4.19  | 0.00  | 12.77 | 3.06  | 0.00  | 0.00  |
| Diflubenzuron      | 0.00  | 0.00  | 0.00  | 0.44  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 0.00  |
| Dimethanid         | 0.03  | 0.00  | 0.22  | 0.35  | 0.00  | 0.13  | 0.00  | 14.09 | 0.42  | 0.40  |
| Dimoxystrobin      | 0.14  | 0.04  | 0.05  | 0.20  | 0.00  | 0.00  | 0.00  | 3.61  | 0.15  | 0.00  |
| Fenhexamid         | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 91.31 | 0.00  | 0.00  |
| Fenoxycarb         | 0.00  | 0.00  | 0.00  | 0.00  | 0.03  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fenpyroximate      | 0.03  | 0.04  | 0.02  | 0.02  | 0.04  | 0.00  | 4.89  | 0.00  | 4.31  | 4.14  |
| Flonicamid         | 0.14  | 0.18  | 0.10  | 0.05  | 0.09  | 0.00  | 0.00  | 0.04  | 0.00  | 0.00  |
| Fluopyram          | 0.32  | 12.65 | 55.72 | 48.28 | 44.46 | 35.61 | 176.02| 194.12| 20.32 | 0.00  |
| Kresofoxim-methyl  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Methiocarb         | 0.37  | 3.04  | 0.00  | 5.00  | 5.33  | 3.68  | 0.00  | 3.20  | 0.10  | 0.00  |
| Myclobutanil       | 0.00  | 9.88  | 0.00  | 8.79  | 0.00  | 0.00  | 0.00  | 0.34  | 0.00  | 0.00  |
| Penconazole        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.18  | 0.26  | 0.00  | 0.00  |
| Pendimethalin      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.10  | 0.00  | 0.00  |
| Picarid            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pirimicarb         | 0.02  | 0.00  | 0.14  | 0.31  | 0.00  | 0.49  | 0.47  | 0.27  | 0.00  | 0.00  |
| Pyraclostrobin     | 10.26 | 6.99  | 0.00  | 0.00  | 0.38  | 0.29  | 0.00  | 0.05  | 0.00  | 0.43  |
| Pyrimethanil       | 0.00  | 0.42  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 8.36  | 0.32  | 0.00  |
| Spirodiclofen       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Tebuconazole       | 0.21  | 0.00  | 0.48  | 0.39  | 5.73  | 0.00  | 0.00  | 0.00  | 0.00  | 0.20  |
| Tebufenozone       | 5.76  | 7.30  | 9.81  | 14.88 | 6.50  | 0.00  | 4.43  | 0.00  | 0.00  | 0.00  |
| Thiacloprid        | 4.62  | 14.99 | 37.03 | 37.47 | 30.74 | 8.24  | 77.19 | 118.48| 12.34 | 4.06  |
|                        | Thiophanate-methyl | Trifloxystrobin | Sum pesticide concentration/sample |
|------------------------|---------------------|-----------------|-----------------------------------|
|                        | 14.30               | 37.98           | 118.13                            |
|                        | 19.49               | 49.56           | 179.14                            |
|                        | 69.31               | 182.17          | 484.72                            |
|                        | 10.11               | 136.32          | 330.12                            |
|                        | 0.00                | 119.03          | 248.92                            |
|                        | 0.00                | 63.45           | 132.67                            |
|                        | 0.00                | 262.45          | 677.83                            |
|                        | 0.00                | 237.75          | 787.16                            |
|                        | 0.00                | 49.09           | 101.49                            |
|                        | 0.00                | 18.37           | 35.31                             |
| Samples         | D31   | D32   | D33   | D34   | D35   | D36   | D37   | D38   | D39   | D40   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dates           | 2018-05-19 | 2018-05-20 | 2018-05-21 | 2018-05-22 | 2018-05-23 | 2018-05-24 | 2018-05-25 | 2018-05-26 | 2018-05-27 | 2018-05-28 |
| Acetamiprid     | 0.08  | 0.15  | 0.00  | 0.00  | 0.45  | 0.03  | 0.00  | 0.02  | 0.00  | 0.00  |
| Azoxytocin      | 0.11  | 0.10  | 0.02  | 0.09  | 0.00  | 9.82  | 0.02  | 0.49  | 0.47  | 0.18  |
| Boscalid        | 5.01  | 0.00  | 0.00  | 0.00  | 0.00  | 0.15  | 0.00  | 0.00  | 0.00  | 3.09  |
| Chlorantraniliprole | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.43  |
| Cyprodinil      | 192.90 | 15.34 | 0.00  | 0.00  | 0.00  | 3.79  | 0.00  | 0.00  | 0.00  | 0.00  |
| Difenoconazole  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Diflubenzuron   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Dimethenamid    | 0.43  | 0.00  | 0.00  | 0.33  | 0.00  | 3.39  | 0.00  | 0.00  | 0.00  | 0.00  |
| Dimethoxystrobin| 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fenhexamid      | 0.00  | 0.00  | 0.15  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.15  | 22.51 |
| Fenoxycarb      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fenpyroximate   | 4.51  | 0.46  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.17  |
| Flonicamid      | 4.81  | 0.00  | 0.16  | 0.06  | 0.05  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fluopyram       | 6.74  | 0.33  | 0.00  | 0.00  | 0.00  | 0.33  | 0.00  | 0.00  | 0.00  | 0.00  |
| Kresoxim-methyl | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Methiocarb      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.19  | 0.00  |
| Myclobutanol    | 0.00  | 0.00  | 0.00  | 0.45  | 3.13  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pendimethalin   | 6.22  | 3.27  | 0.00  | 0.00  | 0.39  | 0.27  | 0.00  | 0.48  | 0.32  | 0.00  |
| Picaridin       | 0.00  | 0.45  | 0.12  | 0.07  | 0.04  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pirimicarb      | 0.00  | 0.30  | 0.12  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 16.07 |
| Pyraclostrobin  | 0.38  | 0.06  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pyrimethanil    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.24  | 0.00  | 0.00  |
| Spirodiclofen    | 0.08  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.14  | 5.70  |
| Tebuconazole    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Tebufenozide    | 0.00  | 0.00  | 0.22  | 0.09  | 0.21  | 0.13  | 0.34  | 0.00  | 0.00  | 0.00  |
| Thiacloprid     | 7.09  | 6.40  | 0.00  | 3.95  | 3.32  | 4.76  | 10.05 | 5.63  | 7.90  | 14.90 |
|            | Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.50 | 0.04 | 0.06 | 0.00 | 0.00 | 0.00 | 0.05 |
|------------|--------------------|------|------|------|------|------|------|------|------|------|------|
| Trifloxystrobin |                  | 81.67| 49.09| 4.55 | 8.09 | 9.14 | 15.13| 12.13| 10.25| 9.28 | 35.35|
| Sum pesticide concentration/sample |                  | 310.03| 75.95| 5.34 | 13.64| 16.77| 34.48| 22.79| 20.45| 18.47| 98.54|
| Samples     | D41  | D42  | D43  | D44  | D45  | D46  | D47  | D48  | D49  | D50  |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Dates       | 2018-05-29 | 2018-05-30 | 2018-05-31 | 2018-06-01 | 2018-06-02 | 2018-06-03 | 2018-06-04 | 2018-06-05 | 2018-06-06 | 2018-06-07 |
| Acetamiprid | 9.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.06 | 0.00 | 5.60 | 4.60     |
| Azoxystrobin| 0.42 | 0.15 | 0.21 | 0.00 | 0.00 | 0.00 | 0.24 | 0.04 | 0.13 | 0.13     |
| Boscalid    | 0.00 | 0.00 | 57.47 | 3.80 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 21.37 |
| Chlorantraniliprole | 0.43 | 0.49 | 21.52 | 26.51 | 41.65 | 30.09 | 58.39 | 14.91 | 79.52 | 110.60  |
| Cyprodin    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Difenoconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Diflubenzuron | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Dimethenamid| 10.00 | 0.00 | 8.27 | 8.70 | 0.00 | 0.00 | 0.40 | 0.19 | 0.11 | 0.23     |
| Dimoxystrobin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Fenhexamid  | 0.00 | 0.00 | 12.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00     |
| Fenoxycarb  | 0.09 | 0.19 | 5.90 | 0.00 | 0.00 | 0.05 | 16.74 | 0.00 | 0.00 | 3.30     |
| Fenpyroximate | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04     |
| Flonicamid  | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Fluopyram   | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.33 | 15.77 | 7.74 | 24.34 | 11.04    |
| Kresoxim-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Methiocarb  | 12.99 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Myclobutanil | 14.51 | 0.00 | 5.00 | 12.56 | 16.65 | 10.86 | 30.45 | 5.00 | 10.15 | 8.41     |
| Pendimethalin | 0.00 | 0.00 | 3.76 | 4.19 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 | 3.74     |
| Picaridin    | 39.34 | 0.00 | 35.51 | 46.65 | 33.25 | 26.29 | 0.00 | 0.00 | 0.00 | 0.00     |
| Pirimicarb  | 0.41 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.07 | 0.00 | 0.20     |
| Pyraclostrobin | 0.34 | 0.07 | 0.97 | 0.15 | 0.17 | 0.00 | 0.10 | 0.04 | 0.31 | 0.00     |
| Pyrimethanil | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |
| Spirodiclofen | 0.00 | 0.40 | 39.80 | 5.26 | 0.00 | 5.35 | 9.00 | 0.00 | 91.20 | 229.93 |
| Tebuconazole | 155.84 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 9.78 | 0.00 | 15.77 | 8.61     |
| Tebufenozide | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.21     |
| Thiacloprid  | 10.32 | 3.72 | 8.08 | 11.09 | 10.39 | 7.09 | 8.66 | 0.00 | 0.00 | 0.00     |
|                    | 0.00 | 0.00 | 0.34 | 0.00 | 0.07 | 0.05 | 0.04 | 0.22 | 0.00 | 0.00 |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 13.49| 8.82 | 6.98 | 4.80 | 3.50 | 0.00 | 8.83 | 4.35 | 6.42 | 3.80 |
| Trifloxystrobin    | 268.08| 14.59| 213.62| 287.75| 252.34| 96.60| 163.92| 33.49| 237.29| 402.48|
| Sum pesticide      |      |      |      |      |      |      |      |      |      |      |
| concentration/sample|     |      |      |      |      |      |      |      |      |      |
| Samples         | D51 | D52 | D53 | D54 | D55 | D56 | D57 | D58 | D59 | D60 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dates          | 2018-06-08 | 2018-06-09 | 2018-06-10 | 2018-06-11 | 2018-06-12 | 2018-06-14 | 2018-06-15 | 2018-06-16 | 2018-06-17 | 2018-06-18 |
| Acetamiprid    | 21.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.16 | 0.20 | 0.21 |
| Azoxyastrobin | 0.16 | 0.00 | 0.03 | 0.02 | 0.04 | 0.00 | 0.00 | 0.07 | 0.00 | 0.02 |
| Boscalid       | 3.90 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole | 71.39 | 16.44 | 9.32 | 28.71 | 17.58 | 4.09 | 5.51 | 0.00 | 3.35 | 6.48 |
| Cypselid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid   | 0.13 | 0.00 | 0.22 | 0.30 | 0.32 | 0.16 | 0.45 | 0.19 | 0.07 | 0.08 |
| Dimoxystrobin  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid     | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.274.10 | 132.53 |
| Fenoxycarb     | 0.00 | 0.49 | 0.14 | 366.68 | 7.18 | 0.00 | 0.49 | 0.00 | 0.00 | 10.26 |
| Fenpyroximate  | 0.16 | 0.00 | 0.00 | 15.83 | 11.32 | 6.27 | 5.79 | 0.44 | 0.00 | 0.00 |
| Flonicamid     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram      | 25.89 | 10.52 | 0.00 | 47.98 | 5.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mycloxanil     | 29.86 | 0.00 | 0.00 | 6.51 | 10.63 | 8.68 | 0.00 | 0.00 | 8.32 | 43.69 |
| Penconazole    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.46 | 22.09 | 9.69 |
| Pendimethalin  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaclid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb     | 0.26 | 0.12 | 0.02 | 0.16 | 0.40 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 |
| Pyraclostrobin | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil   | 0.30 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen   | 216.50 | 91.86 | 36.33 | 69.71 | 33.08 | 13.50 | 9.33 | 8.92 | 17.81 | 9.04 |
| Tebuconazole   | 22.97 | 0.00 | 0.00 | 18.47 | 0.00 | 0.34 | 0.00 | 0.09 | 0.35 | 0.00 |
| Tebufenozide   | 0.26 | 0.15 | 0.09 | 0.00 | 0.00 | 0.11 | 0.21 | 0.00 | 0.00 | 0.00 |
| Thiacloprid    | 0.00 | 0.00 | 0.00 | 44.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin   | 95.84| 43.50| 38.86| 13.67| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 176.88| 0.00 |
| Sum pesticide concentration/sample | 489.55| 163.46| 91.73| 616.94| 87.29| 25.21| 22.01| 34.67| 326.30| 394.37|
| Samples         | D61  | D62  | D63  | D64  | D65  | D66  | D67  | D68  | D69  | D70  |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| Dates           | 2018-06-19 | 2018-06-20 | 2018-06-21 | 2018-06-22 | 2018-06-23 | 2018-06-24 | 2018-06-25 | 2018-06-26 | 2018-06-27 | 2018-06-28 |
| Acetamiprid     | 0.39 | 0.15 | 0.12 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| Azoxyastrobin   | 0.00 | 0.05 | 0.16 | 0.12 | 0.02 | 0.12 | 0.04 | 0.00 | 0.00 | 0.00 |
| Boscalid        | 0.22 | 0.00 | 0.41 | 0.00 | 0.00 | 24.83 | 0.16 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole | 6.58 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenconazole   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenbuzuron    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid    | 0.04 | 0.06 | 0.03 | 0.00 | 120.72 | 25.46 | 0.00 | 0.02 | 0.00 | 0.00 |
| Dimoxystrobin   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid      | 19.98 | 0.00 | 9.68 | 0.00 | 0.00 | 11.65 | 0.00 | 0.00 | 0.00 | 0.16 |
| Fenoxycarb      | 3.48 | 0.00 | 4.41 | 0.00 | 0.00 | 32.18 | 0.06 | 0.25 | 0.00 | 0.00 |
| Fenpyroximate   | 0.00 | 0.00 | 0.00 | 0.13 | 0.16 | 0.33 | 0.00 | 0.02 | 0.00 | 0.00 |
| Flonicamid      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxin-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil    | 14.66 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin   | 4.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin   | 0.00 | 0.00 | 0.00 | 0.41 | 1809.00 | 950.17 | 0.00 | 0.00 | 0.00 | 0.44 |
| Piricarb        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb      | 0.00 | 25.34 | 0.00 | 0.02 | 0.36 | 4.07 | 0.14 | 0.00 | 0.08 | 0.07 |
| Pyraclostrobin  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen   | 6.44 | 10.87 | 6.14 | 0.00 | 402.00 | 188.15 | 0.00 | 0.00 | 6.82 | 0.00 |
| Tebuconazole    | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide    | 0.00 | 0.11 | 0.38 | 0.00 | 0.29 | 0.43 | 0.00 | 0.11 | 0.00 | 0.00 |
| Thiaceclid      | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl |      |      |      |      |      |      |      |      |      |      |
| Trifloxystrobin    | 706.62 | 388.64 | 155.46 | 12.00 | 197.00 | 82.37 | 3.16 | 3.84 | 3.33 | 0.00 |
| Sum pesticide      | 736.07 | 431.94 | 176.77 | 12.96 | 2530.61 | 1319.78 | 3.56 | 4.53 | 10.24 | 0.67 |
| Samples            | D71    | D72    | D73    | D74    | D75    | D76    | D77    | D78    | D79    | D80    |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Dates              | 2018-06-29 | 2018-06-30 | 2018-07-01 | 2018-07-02 | 2018-07-03 | 2018-07-04 | 2018-07-05 | 2018-07-07 | 2018-07-08 | 2018-07-09 |
| Acetamiprid        | 0.02   | 0.00   | 0.00   | 0.00   | 0.44   | 0.00   | 0.00   | 0.03   | 0.00   | 0.00   |
| Azoxyastrobin      | 0.02   | 0.00   | 0.00   | 0.08   | 0.00   | 0.05   | 0.00   | 0.00   | 0.00   | 0.00   |
| Boscalid           | 0.00   | 0.00   | 0.00   | 3.55   | 5.57   | 3.66   | 0.00   | 0.00   | 22.31  | 6.84   |
| Chlorantraniliprole| 0.00   | 0.00   | 0.00   | 39.64  | 307.43 | 225.62 | 101.88 | 125.51 | 26.68  | 0.00   |
| Cyprodinil         | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Difenconazole      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Diflubenzuron      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Dimethenamid       | 27.66  | 3.91   | 0.42   | 0.00   | 4.54   | 0.00   | 17.85  | 0.00   | 0.00   | 0.22   |
| Dimoxystrobin      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Fenhexamid         | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Fenoxycarb         | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Fenpyroximate      | 0.14   | 0.00   | 0.00   | 0.26   | 0.00   | 0.00   | 0.00   | 0.13   | 0.19   | 0.00   |
| Flonicamid         | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Fluopyram          | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Kresoxim-methyl    | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Methiocarb         | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Myclobutanil       | 0.38   | 0.00   | 0.00   | 0.00   | 4.62   | 5.00   | 0.00   | 0.32   | 0.41   | 0.00   |
| Pendimethalin      | 0.23   | 0.00   | 0.00   | 0.00   | 8.92   | 10.19  | 9.27   | 3.81   | 0.41   | 0.00   |
| Picaridin          | 332.20 | 27.65  | 0.00   | 5.42   | 25.08  | 31.51  | 70.16  | 65.23  | 26.36  | 15.00  |
| Pirimicarb         | 0.26   | 0.00   | 0.00   | 0.00   | 16.86  | 0.00   | 0.00   | 0.09   | 0.09   | 0.00   |
| Pyraclostrobin     | 0.00   | 0.00   | 0.00   | 0.10   | 0.10   | 0.00   | 0.10   | 0.21   | 0.00   | 0.48   |
| Pyrimethanil       | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Spirodiclofen      | 6.38   | 0.00   | 0.11   | 32.49  | 13.79  | 24.25  | 12.55  | 6.91   | 0.00   | 0.00   |
| Tebuconazole       | 0.00   | 0.00   | 0.00   | 0.00   | 0.35   | 0.00   | 0.15   | 0.00   | 0.00   | 0.00   |
| Tebufenozide       | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.24   | 0.00   | 0.08   | 0.00   | 0.00   |
| Thiacloprid        | 0.00   | 0.00   | 0.40   | 0.31   | 0.32   | 0.36   | 0.10   | 0.00   | 0.00   | 0.03   |
|                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin   | 0.00 | 8.77 | 0.00 | 12.59| 7.40 | 8.28 | 0.00 | 3.67 | 36.44| 0.00 |
| Sum pesticide     | 367.29| 40.32| 0.92 | 94.43| 464.60| 332.95| 212.15| 206.15| 133.95| 26.48|
| concentration/sample | 367.29| 40.32| 0.92 | 94.43| 464.60| 332.95| 212.15| 206.15| 133.95| 26.48|
| Samples             | D81 | D82 | D83 | D84 | D85 | D86 | D87 | D88 | D89 | D90 |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dates               | 2018-07-10 | 2018-07-11 | 2018-07-12 | 2018-07-13 | 2018-07-14 | 2018-07-15 | 2018-07-16 | 2018-07-17 | 2018-07-18 | 2018-07-19 |
| Acetamiprid        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Azoxyostrobin      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Boscalid           | 9.25 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole| 9.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenconazole      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoxystrobin    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid       | 0.27 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethoxybenzuron  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxy carb        | 8.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flonicamid         | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresox im methyl   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil       | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Penconazole        | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin      | 32.22 | 0.00 | 0.00 | 0.30 | 0.64 | 0.19 | 0.42 | 0.17 | 0.04 | 0.00 |
| Pica radin         | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb         | 0.00 | 0.00 | 0.00 | 0.46 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyraclostrobin     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole       | 0.19 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide       | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiacloprid        | 0.00 | 0.20 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl    |      |      |      |      |      |      |      |      |      |      |
| Trifloxystrobin       | 19.30| 0.07 | 0.15 | 0.14 | 0.00 | 0.00 | 0.02 | 0.00 | 0.09 | 0.10 |
| Sum pesticide         | 80.29| 0.55 | 0.62 | 1.08 | 0.74 | 0.00 | 0.21 | 0.42 | 0.26 | 0.14 |
| Samples          | D91  | D92  | D93  | D94  | D95  | D96  | D97  | D98  | D99  | D100 | D101 | D102 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Dates            | 2018-07-20 | 2018-07-21 | 2018-07-22 | 2018-07-23 | 2018-07-24 | 2018-07-25 | 2018-07-26 | 2018-07-27 | 2018-07-28 | 2018-07-29 | 2018-07-30 | 2018-07-31 |
| Acetamiprid      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Azoxystrobin     | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.08 |
| Boscalid         | 0.00 | 0.00 | 0.00 | 0.00 | 5.67 | 0.00 | 0.22 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cypredinil       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difubenzuron     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethanamid     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb       | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate    | 0.00 | 0.04 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.15 | 0.05 | 0.00 | 0.00 | 0.00 |
| Flonicamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Penconazole       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin    | 0.06 | 0.00 | 0.34 | 0.24 | 0.26 | 0.28 | 0.19 | 0.05 | 0.37 | 0.24 | 0.18 | 0.22 |
| Picardin         | 0.00 | 0.00 | 19.65 | 20.86 | 20.22 | 59.44 | 39.48 | 0.00 | 18.69 | 30.05 | 64.49 | 116.92 |
| Primicarb        | 0.00 | 0.18 | 0.05 | 0.00 | 0.02 | 0.00 | 0.00 | 0.04 | 0.10 | 0.00 | 0.04 | 0.04 |
| Pyraclostrobin   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiacloprid      | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
|                        | Thiophanate-methyl | Trifloxystrobin | Sum pesticide concentration/sample |
|------------------------|---------------------|----------------|-----------------------------------|
|                        | 0.18                | 0.04           | 0.46                              |
|                        | 0.13                | 0.47           | 0.85                              |
|                        | 0.00                | 0.07           | 20.14                             |
|                        | 0.11                | 0.00           | 21.30                             |
|                        | 0.00                | 0.00           | 26.23                             |
|                        | 0.00                | 0.00           | 59.81                             |
|                        | 0.00                | 0.00           | 39.91                             |
|                        | 0.00                | 0.00           | 5.26                              |
|                        | 0.00                | 0.00           | 19.21                             |
|                        | 0.00                | 0.00           | 30.37                             |
|                        | 0.00                | 0.00           | 64.67                             |
|                        | 0.00                | 0.00           | 117.78                            |
**Table S4** Palynological analysis exemplary counted pollen in the samples between D9 and D13 (April 22-26)

| classification          | counted pollen |
|-------------------------|----------------|
|                         | D9 22.04.2018  | D10 23.04.2018 | D11 24.04.2018 | D12 25.04.2018 | D13 26.04.2018 |
| Pinaceae_Picea sp.      | 0              | 2              | 2              | 1              | 5              |
| Rosaceae_Pyrus type     | 17             | 20             | 15             | 13             | 10             |
| Aceraceae_Acer sp.      | 1              | 1              | 2              | 4              | 20             |
| Asteraceae_Taraxacum type | 1            | 0              | 1              | 0              | 5              |
| Rosaceae_Prunus type    | 72             | 76             | 78             | 73             | 55             |
| Salicaceae_Salix sp.    | 9              | 0              | 0              | 0              | 0              |
| Grossulariaceae_Ribes type | 0           | 1              | 2              | 9              | 5              |
| Summ                    | 100            | 100            | 100            | 100            | 100            |
| Samples          | D1    | D2    | D3    | D4    | D5    | D6    | D7    | D8    | D9    | D10   |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dates            | 2018-04-12 | 2018-04-15 | 2018-04-16 | 2018-04-17 | 2018-04-18 | 2018-04-19 | 2018-04-20 | 2018-04-21 | 2018-04-22 | 2018-04-23 |
| Acetamiprid     | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Azoxystrobin     | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Boscalid         | 0.00  | 0.05  | 0.00  | 0.00  | 0.15  | 0.02  | 0.08  | 0.08  | 0.23  | 0.04  |
|Chlorantraniliprole | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Cyprodinil       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Difenoconazole   | 0.00  | 0.03  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.23  | 0.16  | 0.27  |
|Diflubenzuron    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 13.32 | 1.26  | 0.00  |
|Dimethenamid     | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Dimoxystrobin    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Fenhexamid       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Fenoxycarb       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Fenpyroximate    | 0.00  | 0.84  | 0.05  | 0.06  | 0.04  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Flonicamid       | 0.00  | 0.25  | 0.13  | 0.08  | 0.13  | 0.19  | 0.35  | 0.13  | 0.13  | 0.12  |
|Fluopyram        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 1.23  | 0.46  | 3.45  | 39.55 |
|Kresoxim-methyl  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 9.85  | 3.78  | 0.68  | 0.00  |
|Methiocarb       | 0.00  | 70.12 | 2.40  | 0.00  | 49.69 | 173.53| 137.50| 137.50| 0.00  | 0.00  |
|Myclobutanol     | 0.00  | 6.70  | 0.82  | 0.70  | 0.60  | 0.34  | 0.35  | 9.85  | 3.78  | 0.68  |
|Penconazole      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Pendimethalin    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Picaridin        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.02  |
|Pirimicarb       | 0.00  | 0.00  | 0.05  | 0.02  | 0.05  | 0.02  | 0.00  | 0.02  | 0.00  | 0.00  |
|Pyraclostrobin   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 0.00  | 0.00  | 0.00  |
|Pyrimethanil     | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.52  | 0.22  | 0.46  | 0.00  |
|Spirodiclofen    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|Tebuconazole     | 0.00  | 0.01  | 0.02  | 0.00  | 0.00  | 0.00  | 1.11  | 0.59  | 2.73  | 54.51 |
| Compound             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 4.12 | 0.99 | 0.58 |
|----------------------|------|------|------|------|------|------|------|------|------|------|
| Tebufenozide         | 0.33 | 11.62| 1.92 | 1.53 | 1.09 | 0.23 | 0.40 | 14.90| 5.95 | 1.21 |
| Thiacloprid          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiophanate-methyl   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.59 | 0.14 | 0.44 |
| Sum tPHQday          | 0.00 | 89.61| 5.39 | 2.43 | 51.76| 174.34|141.92|182.88|19.14|97.88|
| Samples                  | D11 | D12 | D13 | D14 | D15 | D16 | D17 | D18 | D19 | D20 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dates                    | 2018-04-24 | 2018-04-25 | 2018-04-26 | 2018-04-27 | 2018-04-28 | 2018-04-29 | 2018-04-30 | 2018-05-01 | 2018-05-02 | 2018-05-03 |
| Acetamiprid              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 0.85 | 0.51 | 0.73 |
| Azoxyystrobin            | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| Boscalid                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 1.21 | 0.32 | 0.07 | 0.12 |
| Chlorantraniliprole      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron            | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| Dimethenamid             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate            | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram                | 30.98 | 21.43 | 3.42 | 9.71 | 5.13 | 0.24 | 0.02 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb               | 7.36 | 0.00 | 0.00 | 46.11 | 40.91 | 61.54 | 37.68 | 0.00 | 1.88 | 50.95 |
| Myclobutanil             | 1.23 | 1.02 | 0.23 | 0.37 | 0.15 | 0.25 | 0.43 | 0.15 | 0.00 | 0.00 |
| Penconazole              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picarid                  | 0.05 | 0.00 | 0.00 | 0.01 | 0.06 | 0.00 | 0.05 | 0.00 | 0.01 | 0.12 |
| Pirimidicarb             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.44 | 0.14 | 0.00 | 0.00 |
| Pyraclostrobin           | 0.28 | 0.00 | 0.00 | 0.09 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodictolfin           | 0.41 | 0.25 | 0.11 | 0.55 | 0.16 | 0.25 | 0.13 | 0.05 | 0.00 | 0.00 |
| Tebuconazole             | 38.18 | 10.87 | 1.34 | 5.84 | 2.61 | 0.10 | 0.00 | 0.01 | 0.00 | 0.00 |
| Tebufenooxide            | 0.41 | 0.25 | 0.11 | 0.55 | 0.16 | 0.25 | 0.13 | 0.05 | 0.00 | 0.00 |
| Thiacioprid              | 0.69 | 1.29 | 0.88 | 2.72 | 0.66 | 2.38 | 3.45 | 0.82 | 0.31 | 0.53 |
|                  | 0.00 | 0.00 | 0.26 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.24 | 0.62 | 0.19 | 1.45 | 0.35 | 0.80 | 0.71 | 0.23 | 0.11 | 0.16 |
| Trifloxystrobin   | 79.68| 35.62| 6.57 | 67.63| 50.15| 66.58| 45.48| 2.63 | 2.89 | 52.76|
| Samples                  | D21  | D22  | D23  | D24  | D25  | D26  | D27  | D28  | D29  | D30  |
|-------------------------|------|------|------|------|------|------|------|------|------|------|
| Dates                   | 2018-05-04 | 2018-05-05 | 2018-05-06 | 2018-05-07 | 2018-05-08 | 2018-05-09 | 2018-05-11 | 2018-05-12 | 2018-05-13 | 2018-05-18 |
| Acetamiprid             | 0.00 | 0.00 | 2.12 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Azoxylostrobine         | 0.02 | 0.02 | 0.49 | 0.30 | 0.00 | 0.58 | 0.26 | 0.26 | 0.02 | 0.00 |
| Boscalid                | 0.26 | 0.33 | 0.03 | 0.04 | 0.03 | 0.00 | 0.04 | 0.04 | 0.08 | 0.05 |
| Chlorantraniliprole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodimil              | 0.00 | 0.00 | 0.70 | 0.42 | 0.20 | 0.06 | 0.31 | 1.69 | 0.00 | 0.00 |
| Difenoconazole          | 0.00 | 0.00 | 0.02 | 0.03 | 0.02 | 0.00 | 0.07 | 0.02 | 0.00 | 0.00 |
| Diflubenzuron           | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 |
| Dimethenamid            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.04 | 0.03 |
| Flonicamid              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram               | 0.00 | 0.12 | 0.54 | 0.47 | 0.43 | 0.35 | 1.72 | 1.90 | 0.20 | 0.00 |
| Kresoxim-methyl         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb              | 4.60 | 38.04 | 0.00 | 62.55 | 66.59 | 46.01 | 0.00 | 40.05 | 1.21 | 0.00 |
| Myclobutanil            | 0.00 | 0.29 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Penconazole             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaridin               | 0.00 | 0.00 | 0.03 | 0.08 | 0.00 | 0.12 | 0.12 | 0.07 | 0.00 | 0.00 |
| Pirimicarb              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyraclostrobine         | 0.09 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 |
| Spirodiclofen           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole            | 0.00 | 0.00 | 0.01 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide            | 0.06 | 0.07 | 0.10 | 0.15 | 0.07 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 |
| Thiacloprid             | 0.27 | 0.87 | 2.14 | 2.16 | 1.77 | 0.48 | 4.46 | 6.84 | 0.71 | 0.23 |
|                | Thiophanate-methyl | Trifloxystrobin | Sum tPHQday |
|----------------|--------------------|----------------|-------------|
|                | 0.12               | 0.35           | 5.78        |
|                | 0.17               | 0.45           | 40.42       |
|                | 0.60               | 1.66           | 8.44        |
|                | 0.09               | 1.24           | 67.86       |
|                | 0.00               | 1.08           | 70.59       |
|                | 0.00               | 0.58           | 48.17       |
|                | 0.00               | 2.39           | 10.34       |
|                | 0.00               | 2.16           | 53.29       |
|                | 0.00               | 0.45           | 2.73        |
|                | 0.00               | 0.17           | 0.50        |
| Samples | D31 (2018-05-19) | D32 (2018-05-20) | D33 (2018-05-21) | D34 (2018-05-22) | D35 (2018-05-23) | D36 (2018-05-24) | D37 (2018-05-25) | D38 (2018-05-26) | D39 (2018-05-27) | D40 (2018-05-28) |
|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Acetamiprid | 0.01 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Azoxy strebin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.02 | 0.00 | 0.01 |
| Boscalid | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil | 1.71 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 |
| Dimethenamid | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flonicamid | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopiclornil | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 0.00 | 0.00 |
| Myclobutanil | 0.00 | 0.00 | 0.00 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Penconazole | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaridin | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Pyraclostrobin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| Tebuconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozone | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiaceprid | 0.41 | 0.37 | 0.00 | 0.23 | 0.19 | 0.27 | 0.58 | 0.33 | 0.46 | 0.86 |
|                     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl  | 0.74 | 0.45 | 0.04 | 0.07 | 0.08 | 0.14 | 0.11 | 0.09 | 0.08 | 0.32 |
| Trifloxystrobin     | 3.12 | 1.08 | 0.08 | 0.33 | 0.41 | 0.85 | 0.70 | 2.79 | 0.57 | 1.46 |
| Sum tPHQday         |      |      |      |      |      |      |      |      |      |      |
| Samples             | D41 | D42 | D43 | D44 | D45 | D46 | D47 | D48 | D49 | D50 |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dates               | 2018-05-29 | 2018-05-30 | 2018-05-31 | 2018-06-01 | 2018-06-02 | 2018-06-03 | 2018-06-04 | 2018-06-05 | 2018-06-06 | 2018-06-07 |
| Acetamiprid         | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.39 | 0.32 |
| Azoxyystrobin       | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 |
| Boscalid            | 0.00 | 0.00 | 0.35 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.21 | 0.25 | 0.40 | 0.29 | 0.56 | 0.14 | 0.76 | 1.06 |
| Cyprodinil          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid        | 0.08 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin       | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid          | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| Fenoxycarb          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flonicamid          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.08 | 0.24 | 0.11 |
| Kresoxim-methyl     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb          | 162.43 | 0.00 | 2.86 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil        | 0.43 | 0.00 | 0.15 | 0.37 | 0.49 | 0.32 | 0.90 | 0.15 | 0.30 | 0.25 |
| Penconazole         | 0.00 | 0.00 | 0.03 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 |
| Pendimethalin       | 0.00 | 0.00 | 0.07 | 1.62 | 1.42 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaridin           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb          | 0.10 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.02 | 0.00 | 0.05 |
| Pyraclostrobin      | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanil        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen       | 0.00 | 0.00 | 0.20 | 0.03 | 0.00 | 0.00 | 0.05 | 0.00 | 0.47 | 1.17 |
| Tebuconazole        | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.19 | 0.10 |
| Tebufenozide        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiacecloprid       | 0.60 | 0.22 | 0.47 | 0.64 | 0.60 | 0.41 | 0.50 | 0.00 | 0.00 | 0.00 |
|                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin     | 0.12 | 0.08 | 0.06 | 0.04 | 0.03 | 0.00 | 0.08 | 0.04 | 0.06 | 0.03 |
| Sum tPHQday        | 166.34 | 0.41 | 4.63 | 4.91 | 2.97 | 1.21 | 2.91 | 0.44 | 2.44 | 3.25 |
| Samples            | D51       | D52       | D53       | D54       | D55       | D56       | D57       | D58       | D59       | D60       |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Dates              | 2018-06-08| 2018-06-09| 2018-06-10| 2018-06-11| 2018-06-12| 2018-06-14| 2018-06-15| 2018-06-16| 2018-06-17| 2018-06-18|
| Acetamiprid        | 1.51      | 0.00      | 0.00      | 0.00      | 0.00      | 0.03      | 0.00      | 0.01      | 0.01      | 0.01      |
| Azoxystradin       | 0.01      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Boscalid           | 0.02      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Chlorantraniliprole| 0.69      | 0.16      | 0.09      | 0.28      | 0.17      | 0.04      | 0.05      | 0.00      | 0.03      | 0.06      |
| Cypodinil          | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Difenconazole      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Dimethenamid       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Dimoxystrobin      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Fendexamid         | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 2.69      | 1.30      |
| Fenoxycarb         | 0.00      | 0.00      | 0.00      | 1.80      | 0.04      | 0.00      | 0.00      | 0.00      | 0.00      | 0.05      |
| Fenpyroximate      | 0.00      | 0.00      | 0.00      | 0.13      | 0.10      | 0.05      | 0.05      | 0.00      | 0.00      | 0.00      |
| Flonicamid         | 0.00      | 0.00      | 0.00      | 0.00      | 0.03      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Fluopyram          | 0.25      | 0.10      | 0.00      | 0.47      | 0.05      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Kresoxim-methyl    | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Methiocarb         | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Myclobutanil       | 0.88      | 0.00      | 0.19      | 0.31      | 0.26      | 0.00      | 0.00      | 0.00      | 0.25      | 1.29      |
| Penconazole        | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.22      | 0.20      |
| Pendimethalin      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.05      |
| Picaridin          |           |           |           |           |           |           |           |           |           |           |
| Pirimicarb         | 0.07      | 0.03      | 0.00      | 0.04      | 0.10      | 0.00      | 0.00      | 0.08      | 0.00      | 0.00      |
| Pyraclostrobin     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Pyrimethanil       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Spirodiclofen      | 1.10      | 0.47      | 0.19      | 0.36      | 0.17      | 0.07      | 0.05      | 0.05      | 0.09      | 0.05      |
| Tebuconazole       | 0.28      | 0.00      | 0.00      | 0.22      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Tebufenozide       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Thiacloprid        | 0.00      | 0.00      | 0.00      | 2.57      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
|                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin    | 0.87 | 0.40 | 0.35 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 |
| Sum tPHQday        | 5.68 | 1.16 | 0.83 | 6.31 | 0.91 | 0.20 | 0.16 | 0.37 | 3.27 | 4.51 |
| Samples               | D61 | D62 | D63 | D64 | D65 | D66 | D67 | D68 | D69 | D70 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dates                 | 2018-06-19 | 2018-06-20 | 2018-06-21 | 2018-06-22 | 2018-06-23 | 2018-06-24 | 2018-06-25 | 2018-06-26 | 2018-06-27 | 2018-06-28 |
| Acetamiprid           | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Azoxylostrobin        | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Boscalid              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole   | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid            | 0.20 | 0.00 | 0.09 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb            | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flonicamid            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil          | 0.43 | 0.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Penconazole           | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin         | 0.00 | 0.00 | 0.00 | 0.00 | 17.88 | 9.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picardin              |      |     |     |     |     |     |     |     |     |     |
| Pirimicarb            | 0.00 | 6.34 | 0.00 | 0.01 | 0.09 | 1.02 | 0.03 | 0.00 | 0.02 | 0.02 |
| Pyraclostrobin        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethanol          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen         | 0.03 | 0.06 | 0.03 | 0.00 | 2.05 | 0.96 | 0.00 | 0.00 | 0.03 | 0.00 |
| Tebuconazole          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiaceplrid           | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                | Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|----------------|---------------------|------|------|------|------|------|------|------|------|------|------|
|                | Trifloxystrobin     | 6.42 | 3.53 | 1.41 | 0.11 | 1.79 | 0.75 | 0.03 | 0.03 | 0.03 | 0.00 |
|                | Sum tPHQday         | 7.24 | 10.14| 1.58 | 0.14 | 22.84| 12.77| 0.07 | 0.05 | 0.08 | 0.02 |
| Samples       | D71  | D72  | D73  | D74  | D75  | D76  | D77  | D78  | D79  | D80  |
|--------------|------|------|------|------|------|------|------|------|------|------|
| Dates        | 2018-06-29 | 2018-06-30 | 2018-07-01 | 2018-07-02 | 2018-07-03 | 2018-07-04 | 2018-07-05 | 2018-07-07 | 2018-07-08 | 2018-07-09 |
| Acetamiprid  | 0.00 | 0.00 | 0.00  | 0.00  | 0.03  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Azoxystrbin  | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Boscalid     | 0.00 | 0.00 | 0.00  | 0.02  | 0.03  | 0.02  | 0.00  | 0.00  | 0.13  | 0.04  |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00  | 0.38  | 2.95  | 2.17  | 0.98  | 1.21  | 0.26  | 0.00  |
| Cypromiln    | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Difenoconazole | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Diflubenzuron | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Dimethenamid | 0.23 | 0.03 | 0.00  | 0.00  | 0.04  | 0.00  | 0.15  | 0.00  | 0.00  | 0.00  |
| Dinoseb       | 0.00 | 0.00 | 0.00  | 0.00  | 0.54  | 0.10  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fenhexamid   | 0.00 | 0.00 | 0.00  | 0.00  | 0.07  | 0.07  | 0.00  | 0.00  | 0.10  | 0.02  |
| Finoxycarb   | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fenpyroximate | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Flonicamid   | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Fluopyram    | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Kresoxim-methyl | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Methicarb    | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Myclobutanil | 0.01 | 0.00 | 0.00  | 0.00  | 0.14  | 0.15  | 0.00  | 0.01  | 0.01  | 0.00  |
| Penconazole  | 0.00 | 0.00 | 0.00  | 0.00  | 0.08  | 0.09  | 0.08  | 0.03  | 0.00  | 0.00  |
| Pendimethalin | 3.28 | 0.27 | 0.00  | 0.05  | 0.25  | 0.31  | 0.69  | 0.64  | 0.26  | 0.15  |
| Picaridin     | 0.02 | 0.02 | 0.02  | 0.02  | 0.02  | 0.02  | 0.01  | 0.00  | 0.00  | 0.00  |
| Pirimicarb   | 0.07 | 0.00 | 0.00  | 0.00  | 4.21  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pyraclostrobin | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pyrimethanil | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Spordiclofen  | 0.03 | 0.00 | 0.00  | 0.17  | 0.07  | 0.12  | 0.06  | 0.04  | 0.00  | 0.00  |
| Tebuconazole  | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Tebuconazole  | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Thiacloprid   | 0.00 | 0.00 | 0.02  | 0.02  | 0.02  | 0.02  | 0.01  | 0.00  | 0.00  | 0.00  |
|                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trifloxystrobin   | 0.00 | 0.08 | 0.00 | 0.11 | 0.07 | 0.08 | 0.00 | 0.03 | 0.33 | 0.00 |
| Sum tPHQday       | 3.63 | 0.39 | 0.03 | 0.76 | 8.50 | 3.13 | 1.98 | 1.99 | 1.13 | 0.22 |
| Dates            | D81  | D82  | D83  | D84  | D85  | D86  | D87  | D88  | D89  | D90  |
|------------------|------|------|------|------|------|------|------|------|------|------|
| 2018-07-10       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Acetamiprid      |      |      |      |      |      |      |      |      |      |      |
| Azoxystratin     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Boscalid         | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Chlorantraniliprole | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenoconazole   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb       | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flonicamid       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fluopyram        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kresoxim-methyl  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Methiocarb       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Myclobutanil     | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Penconazole      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin    | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Piconidin        |      |      |      |      |      |      |      |      |      |      |
| Pirimicarb       | 0.00 | 0.00 | 0.12 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyraclostrobin   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyrimethonil     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Spirodiclofen    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebufenozide     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thiacloprid      | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                | Thiophanate-methyl | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|----------------|--------------------|------|------|------|------|------|------|------|------|------|------|
|                | Trifloxystrobin    | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                | Sum tPHQday        | 0.70 | 0.02 | 0.12 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Samples           | D91     | D92     | D93     | D94     | D95     | D96     | D97     | D98     | D99     | D100    | D101    | D102    |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Dates             | 2018-07-20 | 2018-07-21 | 2018-07-22 | 2018-07-23 | 2018-07-24 | 2018-07-25 | 2018-07-26 | 2018-07-27 | 2018-07-28 | 2018-07-29 | 2018-07-30 | 2018-07-31 |
| Acetamiprid      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Azoxyprodin      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Boscalid         | 0.00    | 0.00    | 0.00    | 0.00    | 0.03    | 0.00    | 0.00    | 0.03    | 0.00    | 0.00    | 0.00    | 0.00    |
| Chlorantraniliprole | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Cyprodinil       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Difenoconazole   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Diflubenzuron    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Dinethemid       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Dimoxydriobin    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Fenhexamid       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Fenoxy carb       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Fenpyroximate    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Flonicamid       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Fluopyram        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Kresoxim-methyl  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Methiocarb       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Myclobutanil     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Penconazole      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Pendimethalin    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Picaridin         | 0.00    | 0.04    | 0.01    | 0.00    | 0.00    | 0.00    | 0.00    | 0.01    | 0.02    | 0.00    | 0.00    | 0.00    |
| Primicarb        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.01    | 0.02    | 0.00    | 0.00    |
| Pyraclostrobin   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Pyrimethanil     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Spirodiclofen    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Tebuconazole     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Tebufenozide     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
| Thiacloprid      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    |
|               | Thiophanate-methyl | Trifloxystrobin | Sum tPHQday |
|---------------|--------------------|----------------|-------------|
|               | 0.00               | 0.00           | 0.05        |
|               | 0.00               | 0.00           | 0.02        |
|               | 0.00               | 0.00           | 0.04        |
|               | 0.00               | 0.00           | 0.00        |
|               | 0.00               | 0.00           | 0.05        |
|               | 0.00               | 0.00           | 0.03        |
|               | 0.00               | 0.00           | 0.01        |
|               | 0.00               | 0.00           | 0.00        |
|               | 0.00               | 0.00           | 0.02        |
| Samples          | D1   | D2   | D3   | D4   | D5   | D6   | D7   | D8   | D9   | D10  |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Dates            | 2018-04-12 | 2018-04-15 | 2018-04-16 | 2018-04-17 | 2018-04-18 | 2018-04-19 | 2018-04-20 | 2018-04-21 | 2018-04-22 | 2018-04-23 |
| Acetamiprid     | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| Azoxystrobin    | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| Boscalid        | 0.00 | 7.51 | 0.00 | 0.21 | 25.38 | 3.22 | 14.00 | 13.00 | 38.00 | 6.00 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil      | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.34 | 0.32 | 0.00 | 0.00 | 0.00 |
| Difenoconazole  | 0.00 | 4.58 | 0.00 | 5.57 | 0.00 | 0.09 | 0.00 | 40.00 | 29.00 | 48.00 |
| Diflubenzuron   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dimethenamid    | 0.00 | 0.00 | 0.02 | 0.00 | 0.05 | 0.34 | 0.32 | 0.00 | 0.00 | 0.00 |
| Dimoxystrobin   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate   | 0.00 | 98.97 | 6.13 | 7.41 | 4.85 | 0.00 | 0.00 | 68.00 | 10.77 | 0.03 |
| Flonicamid      | 0.00 | 25.24 | 12.86 | 7.70 | 13.08 | 19.17 | 35.00 | 13.39 | 13.47 | 12.00 |
| Fluopyram       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 126.00 | 47.00 | 353.00 | 4046.00 |
| Kresoxim-methyl | 0.00 | 227.06 | 27.87 | 23.69 | 20.39 | 11.49 | 12.00 | 334.00 | 128.00 | 23.00 |
| Methiocarb      | 0.00 | 5.61 | 0.19 | 0.00 | 3.98 | 13.88 | 11.00 | 11.00 | 0.00 | 0.00 |
| Metylbutanil    | 0.00 | 227.06 | 27.87 | 23.69 | 20.39 | 11.49 | 12.00 | 334.00 | 128.00 | 23.00 |
| Penconazole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.12 | 0.00 |
| Penconazole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 |
| Penconazole     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaridin       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pirimicarb      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pyraclostrobin  | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 7.44 | 0.00 | 0.05 | 0.15 |
| Pyrimethanil    | 0.00 | 0.00 | 0.00 | 0.43 | 0.24 | 0.00 | 0.19 | 52.00 | 22.00 | 46.00 |
| Spirodiclofen    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole    | 0.38 | 0.42 | 1.62 | 0.00 | 0.00 | 0.00 | 92.00 | 49.00 | 227.00 | 4527.00 |
| Compound                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.00 | 412.00 | 99.00 | 58.00 |
|--------------------------|------|------|------|------|------|------|-------|-------|------|------|
| Tebufenozide             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.00 | 412.00 | 99.00 | 58.00 |
| Thiacloprid              | 5.65 | 201.28 | 33.21 | 26.48 | 18.92 | 3.99 | 7.00 | 258.00 | 103.00 | 21.00 |
| Thiophanate-methyl       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 |
| Trifloxystrobin          | 0.28 | 0.42 | 0.02 | 0.05 | 0.00 | 0.45 | 7.00 | 65.00 | 15.00 | 48.00 |
| Fluopyram/10 days        | 1183 | 1183 | 1183 | 1183 | 1183 | 1183 | 1183 | 1183 | 1183 | 1183 |
| Tebuconazole/10 days     |      |      |      |      |      |      | 979   | 979   | 979   | 979   |
| Fluopyram / month        | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 | 451.95 |
| Tebuconazole / month     | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 | 362.95 |
| Samples     | D11  | D12  | D13  | D14  | D15  | D16  | D17  | D18  | D19  | D20  |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Dates       | 2018-04-24 | 2018-04-25 | 2018-04-26 | 2018-04-27 | 2018-04-28 | 2018-04-29 | 2018-04-30 | 2018-05-01 | 2018-05-02 | 2018-05-03 |
| Acetamiprid | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.38 | 12.41 | 7.44 | 10.64 |
| Azoxytrobin | 0.00 | 0.00 | 0.18 | 0.25 | 0.23 | 0.46 | 0.18 | 0.16 | 0.00 | 0.10 |
| Bosalid     | 0.44 | 0.25 | 0.00 | 0.00 | 0.00 | 84.24 | 200.57 | 52.59 | 11.25 | 19.53 |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cyprodinil  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Difenconazole | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Diflubenzuron | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 |
| Dimethenamid | 0.00 | 0.09 | 0.28 | 0.16 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 0.02 |
| Dimoxystrobin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenhexamid  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenoxycarb  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fenpyroximate | 11.93 | 0.11 | 0.10 | 0.03 | 0.05 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 |
| Flonicamid  | 15.00 | 13.63 | 11.57 | 17.89 | 8.55 | 5.77 | 3.47 | 4.33 | 0.00 | 0.00 |
| Fluopyram   | 3169.00 | 2192.68 | 350.02 | 993.75 | 525.04 | 24.74 | 1.88 | 0.45 | 0.00 | 0.00 |
| Kresoxim-methyl | 0.00 | 0.41 | 7.73 | 1.78 | 10.45 | 6.62 | 0.00 | 0.48 | 0.00 | 0.00 |
| Methiocarb  | 0.59 | 0.00 | 0.00 | 3.69 | 3.27 | 4.92 | 3.01 | 0.00 | 0.15 | 4.08 |
| Myclobutanil | 41.67 | 34.55 | 7.89 | 12.47 | 5.00 | 8.58 | 14.60 | 5.00 | 0.00 | 0.00 |
| Penconazole | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pendimethalin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Picaridin   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 |
| Pirimicarb  | 0.19 | 0.02 | 0.00 | 0.04 | 0.24 | 0.00 | 0.19 | 0.00 | 0.05 | 0.48 |
| Pyraclostrobin | 0.17 | 0.00 | 0.05 | 0.09 | 0.06 | 19.41 | 48.70 | 15.90 | 0.00 | 0.00 |
| Pyrimethanil | 28.00 | 0.00 | 0.00 | 8.98 | 0.00 | 6.99 | 7.09 | 0.00 | 0.00 | 5.53 |
| Spirodiclofen | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tebuconazole | 3171.00 | 902.43 | 111.10 | 485.34 | 216.51 | 8.30 | 0.00 | 0.42 | 0.30 | 0.00 |
| Tebufenozide | 41.00 | 25.15 | 11.46 | 55.43 | 16.37 | 25.26 | 12.89 | 4.52 | 0.00 | 0.00 |
| Thiacloprid | 12.00 | 22.26 | 15.24 | 47.12 | 11.35 | 41.29 | 59.69 | 14.25 | 5.30 | 9.13 |
| Compounds          | 0.24  | 0.00  | 29.67 | 58.72 | 0.00  | 0.00  | 0.00  | 0.23  | 0.00  | 9.80  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Thiophanate-methyl|       |       |       |       |       |       |       |       |       |       |
| Trifloxystrobin   | 26.00 | 68.55 | 21.31 | 159.02| 38.44 | 88.00 | 77.96 | 25.78 | 11.90 | 17.60 |
| Fluopyram/10 days | 1183  | 1183  | 1183  | 1183  | 1183  | 1183  | 1183  |       |       |       |
| Tebuconazole/10 days | 979   | 979   | 979   | 979   | 979   | 979   | 979   |       |       |       |
| Fluopyram / month | 451.95| 451.95| 451.95| 451.95| 451.95| 451.95| 451.95| 451.95| 451.95| 451.95|
| Tebuconazole / month | 362.95| 362.95| 362.95| 362.95| 362.95| 362.95| 362.95| 362.95| 362.95| 362.95|
| Samples          | D21  | D22  | D23  | D24  | D25  | D26  | D27  | Summ of 27 days | conc/month |
|------------------|------|------|------|------|------|------|------|-----------------|------------|
| Dates            | 2018-05-04 | 2018-05-05 | 2018-05-06 | 2018-05-07 | 2018-05-08 | 2018-05-09 | 2018-05-11 | Summ of 27 days | conc/month |
| Acetamiprid      | 0.00 | 0.00 | 30.75 | 0.00 | 4.66 | 0.00 | 0.00 | 83.31          | 3.09       |
| Azoxyastrobin    | 0.43 | 0.40 | 12.35 | 7.56 | 0.00 | 14.42 | 6.47 | 43.23          | 1.60       |
| Boscalid         | 43.52 | 54.16 | 4.25  | 6.44 | 5.15 | 0.00 | 6.84 | 596.55         | 22.09      |
| Chlorantraniliprole | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00       |
| Cypromidin       | 0.00 | 0.00 | 79.02 | 47.41 | 22.59 | 6.37 | 34.81 | 190.20         | 7.04       |
| Difenoconazole   | 0.00 | 0.00 | 3.32  | 6.08 | 4.19 | 0.00 | 12.77 | 153.70         | 5.69       |
| Diflubenzuron    | 0.03 | 0.00 | 0.44  | 0.00 | 0.13 | 0.00 | 0.00 | 133.29         | 4.94       |
| Dimethenamid     | 0.03 | 0.00 | 0.22  | 0.35 | 0.00 | 0.13 | 0.00 | 2.18           | 0.08       |
| Dimoxystrobin    | 0.14 | 0.04 | 0.05  | 0.20 | 0.00 | 0.00 | 0.00 | 6.54           | 0.24       |
| Fenhexamid       | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 91.31 | 91.46 | 3.39           |            |
| Fenoxycarb       | 0.00 | 0.00 | 0.00  | 0.00 | 0.03 | 0.00 | 0.00 | 0.03           | 0.00       |
| Fenpyroximate    | 0.03 | 0.04 | 0.02  | 0.02 | 0.04 | 0.00 | 4.89 | 213.57         | 7.91       |
| Flonicamid       | 0.14 | 0.18 | 0.10  | 0.05 | 0.09 | 0.00 | 0.00 | 232.67         | 8.62       |
| Fluopyram        | 0.32 | 12.65 | 55.72 | 48.28 | 44.46 | 35.61 | 176.02 | 12202.62       | 451.95     |
| Kresoxim-methyl  | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 27.47          | 1.02       |
| Methiocarb       | 0.37 | 3.04 | 0.00  | 5.00 | 5.33 | 3.68 | 0.00 | 82.80          | 3.07       |
| Myclobutanil     | 0.00 | 9.88 | 0.00  | 8.79 | 0.00 | 0.00 | 0.00 | 955.93         | 35.40      |
| Penconazole      | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.18 | 0.46 | 0.02           |            |
| Pendimethalin    | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 4.22 | 0.16           |            |
| Picaridin        | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.33 | 0.01           |            |
| Pirimicarb       | 0.02 | 0.00 | 0.14  | 0.31 | 0.00 | 0.49 | 0.47 | 3.23           | 0.12       |
| Pyraclostrobin   | 10.26 | 6.99 | 0.00  | 0.00 | 0.38 | 0.29 | 0.00 | 110.01         | 4.07       |
| Pyrimethanil     | 0.00 | 0.42 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 177.88         | 6.59       |
| Spirodiclofen     | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.07           | 0.00       |
| Tebuconazole     | 0.21 | 0.00 | 0.48  | 0.39 | 5.73 | 0.00 | 0.00 | 9799.61        | 362.95     |
| Tebufenozide     | 5.76 | 7.30 | 9.81  | 14.88 | 6.50 | 0.00 | 4.43 | 884.75         | 32.77      |
| Thiacloprid      | 4.62 | 14.99 | 37.03 | 37.47 | 30.74 | 8.24 | 77.19 | 1126.45        | 41.72      |
| Compound                  | 14.30 | 19.49 | 69.31 | 10.11 | 0.00 | 0.00 | 0.00 | 212.22 | 7.86 |
|---------------------------|-------|-------|-------|-------|------|------|------|--------|------|
| Thiophanate-methyl        |       |       |       |       |      |      |      |        |      |
| Trifloxystrobin           | 37.98 | 49.56 | 182.17| 136.32| 119.03| 63.45| 262.45| 1521.75| 56.36|
| Fluopyram/10 days         |       |       |       |       |      |      |      |        |      |
| Tebuconazole/ 10 days     |       |       |       |       |      |      |      |        |      |
| Fluopyram / month         | 451.95| 451.95| 451.95| 451.95| 451.95| 451.95| 451.95|        |      |
| Tebuconazole / month      | 362.95| 362.95| 362.95| 362.95| 362.95| 362.95| 362.95|        |      |