SUPPLEMENTARY INFORMATION

Evaluation of the effects of agropesticides use on liver and kidney function in farmers from Buea, Cameroon

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Supplement 1: ALT / AST ratio in a reference population and farmers using agropesticides.

ALT: Alanine aminotransferase; AST: Aspartate aminotransferase. No significant difference between the 2 study populations (P = 0.926; Welch t-test)

Supplement 2: sub-statistical analysis of the effect of agrochemicals active principles or formulations on ALT activity (U/L)

| Active principles | Pesticide formulations |
|-------------------|------------------------|
| Metalaxyl         | Callomil Plus          |
| Copper oxide      | Mocap                  |
| Ethoprophos       | Parastar               |
|                   |                        |
| Non users         |                        |
| Mean              | 12.6                   |
| SD                | 2.6                    |
| n                 | 7                      |
|                   | 16.2                   |
|                   | 7.3                    |
|                   | 32                     |
|                   | 16.4                   |
|                   | 7.4                    |
|                   | 35                     |
|                   | 16.2                   |
|                   | 7.3                    |
|                   | 32                     |
|                   | 16.4                   |
|                   | 7.4                    |
|                   | 35                     |
|                   | 17.3                   |
| Users             |                        |
| Mean              | 19.2                   |
| SD                | 7.9                    |
| n                 | 50                     |
|                   | 21.3                   |
|                   | 7.5                    |
|                   | 25                     |
|                   | 21.6                   |
|                   | 7.3                    |
|                   | 22                     |
|                   | 21.6                   |
|                   | 7.3                    |
|                   | 22                     |
|                   | 22.7                   |
|                   | 8.7                    |
|                   | 12                     |
| P value (T-test)  | 0.0326                 |
|                   | 0.0128                 |
|                   | 0.0123                 |
|                   | 0.0128                 |
|                   | 0.0123                 |
|                   | 0.0303                 |

“n” represents the sample size
Supplement 3: Creatinine / uric acid ratio in a reference population and farmers using agropesticides.

No significant difference between the 2 study populations (P = 0.090; Welch t-test).