**Supplementary Table S4.** Comparison of highly and moderately pesticide classes approved in Europe for conventional (conAS) and organic agriculture (orgAS) towards their ecotoxicity against earthworms, honeybees, and birds.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Toxicity** | **Type** | **conAS** | | **orgAS** | |
|  |  | **n** | **%** | **n** | **%** |
| Honeybees –  acute toxicity (highly + moderately toxic) | TOTAL | 201 |  | 48 |  |
| Fungicides | 65 | 26.1 | 19 | 7.6 |
| Herbicides | 72 | 28.9 | 4 | 1.6 |
| Insecticides | 37 | 14.9 | 22 | 8.8 |
| Others | 27 | 10.8 | 3 | 1.2 |
| Birds –  acute toxicity (highly + moderately toxic) | TOTAL | 163 |  | 16 |  |
| Fungicides | 54 | 30.2 | 11 | 6.2 |
| Herbicides | 59 | 33.0 | 0 | 0 |
| Insecticides | 27 | 15.1 | 3 | 1.7 |
| Others | 23 | 12.9 | 1 | 0.6 |
| Birds –  short-term dietary toxicity (highly + moderately toxic) | TOTAL | 7 |  | 0 |  |
| Fungicides | 2 | 28.6 | 0 | 0 |
| Herbicides | 0 | 0 | 0 | 0 |
| Insecticides | 5 | 71.4 | 0 | 0 |
| Others | 0 | 0 | 0 | 0 |
| Earthworms –  acute toxicity  (highly + moderately toxic) | TOTAL | 230 |  | 39 |  |
| Fungicides | 75 | 27.9 | 12 | 4.5 |
| Herbicides | 83 | 30.9 | 6 | 2.2 |
| Insecticides | 39 | 14.5 | 13 | 4.8 |
| Others | 33 | 12.3 | 8 | 3.0 |
| Earthworms –  chronical toxicity (highly + moderately toxic) | TOTAL | 149 |  | 8 |  |
| Fungicides | 60 | 38.2 | 4 | 2.6 |
| Herbicides | 55 | 35.0 | 0 | 0 |
| Insecticides | 23 | 14.7 | 2 | 1.3 |
| Others | 11 | 7.0 | 2 | 1.3 |