**Supplementary Table S3.** Overview of the ecotoxicological assessment of all pesticide active substances (ASs) approved in the European Union (n=447). Some ASs could not be assessed because no ecotoxicological profile was available. Because AS can be toxic to different organisms the addition of the counts can be higher than the total number of AS considered.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ecotoxicological classification |  | **Approved in  conventional agriculture** | | **Approved in  organic agriculture** | |
|  |  | **n** | **%** | **n** | **%** |
| Total number of EU-approved AIs | | 268 | 60 | 179 | 40 |
| Of these were not ecotoxicologically assessed | | 14 | 3.1 | 69 | 15.4 |
| Honeybees –  acute toxicity | TOTAL | 201 | 45 | 48 | 10.7 |
| Highly toxic | 20 | 4.3 | 4 | 0.9 |
| Moderately toxic | 181 | 40.7 | 44 | 9.8 |
| Birds – acute toxicity | TOTAL | 163 | 36.5 | 16 | 3.6 |
| Highly toxic | 12 | 3.3 | 1 | 0.3 |
| Moderately toxic | 151 | 41.5 | 15 | 4.1 |
| Birds – short-term  dietary toxicity | TOTAL | 7 | 1.6 | 0 | 0 |
| Highly toxic | 0 | 0 | 0 | 0 |
| Moderately toxic | 7 | 1.9 | 0 | 0 |
| Earthworms –  acute toxicity | TOTAL | 230 | 51.5 | 39 | 8.7 |
| Highly toxic | 6 | 1.6 | 0 | 0 |
| Moderately toxic | 224 | 61.5 | 39 | 10.7 |
| Earthworms –  chronic toxicity | TOTAL | 149 | 33.3 | 8 | 1.8 |
| Highly toxic | 1 | 0.3 | 0 | 0 |
| Moderately toxic | 148 | 40.7 | 8 | 2.2 |