**Supplementary Table 4.** Mortality data (Nº individuals dead) of *Vespa velutina* in the 5 nests collected for each concentration of Cythrin® over the time observed during the test. These values were used for calculations in Priprobit and to generate mortality curves. a.i.: active ingredient.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Nº individuals dead** | | | | |
| **Nest** | **Treatment** | **Concentration mg a.i/ml** | **N** | **24h** | **48h** | **72h** | **96h** | **Total** |
| 1 | Control | 0 | 10 | 0 | 1 | 0 | 2 | 3 |
| 1 | C1 | 0.184985787 | 10 | 0 | 1 | 2 | 3 | 6 |
| 1 | C2 | 0.258980102 | 10 | 0 | 1 | 0 | 4 | 5 |
| 1 | C3 | 0.362572143 | 10 | 0 | 2 | 0 | 3 | 5 |
| 1 | C4 | 0.507601 | 10 | 3 | 1 | 1 | 1 | 6 |
| 1 | C5 | 0.710641399 | 10 | 2 | 3 | 0 | 0 | 5 |
| 1 | C6 | 0.994897959 | 10 | 5 | 2 | 2 | 0 | 9 |
| 1 | C7 | 1.392857143 | 10 | 7 | 2 | 0 | 0 | 9 |
| 1 | C8 | 1.95 | 10 | 10 | 0 | 0 | 0 | 10 |
| 2 | Control | 0 | 10 | 0 | 0 | 1 | 1 | 2 |
| 2 | C1 | 0.184985787 | 10 | 0 | 1 | 3 | 1 | 5 |
| 2 | C2 | 0.258980102 | 10 | 1 | 2 | 1 | 1 | 5 |
| 2 | C3 | 0.362572143 | 10 | 1 | 1 | 2 | 2 | 6 |
| 2 | C4 | 0.507601 | 10 | 1 | 1 | 0 | 3 | 5 |
| 2 | C5 | 0.710641399 | 10 | 4 | 2 | 0 | 1 | 7 |
| 2 | C6 | 0.994897959 | 10 | 10 | 0 | 0 | 0 | 10 |
| 2 | C7 | 1.392857143 | 10 | 8 | 1 | 0 | 1 | 10 |
| 2 | C8 | 1.95 | 10 | 9 | 1 | 0 | 0 | 10 |
| 3 | Control | 0 | 10 | 0 | 0 | 1 | 0 | 1 |
| 3 | C1 | 0.184985787 | 10 | 1 | 4 | 1 | 1 | 7 |
| 3 | C2 | 0.258980102 | 10 | 0 | 2 | 1 | 2 | 5 |
| 3 | C3 | 0.362572143 | 10 | 3 | 2 | 0 | 2 | 7 |
| 3 | C4 | 0.507601 | 10 | 5 | 4 | 0 | 0 | 9 |
| 3 | C5 | 0.710641399 | 10 | 8 | 2 | 0 | 0 | 10 |
| 3 | C6 | 0.994897959 | 10 | 9 | 1 | 0 | 0 | 10 |
| 3 | C7 | 1.392857143 | 10 | 10 | 0 | 0 | 0 | 10 |
| 3 | C8 | 1.95 | 10 | 10 | 0 | 0 | 0 | 10 |
| 4 | Control | 0 | 10 | 1 | 0 | 0 | 0 | 1 |
| 4 | C1 | 0.184985787 | 10 | 0 | 1 | 0 | 0 | 1 |
| 4 | C2 | 0.258980102 | 10 | 0 | 0 | 1 | 3 | 4 |
| 4 | C3 | 0.362572143 | 10 | 1 | 0 | 0 | 1 | 2 |
| 4 | C4 | 0.507601 | 10 | 5 | 0 | 0 | 0 | 5 |
| 4 | C5 | 0.710641399 | 10 | 3 | 0 | 2 | 2 | 7 |
| 4 | C6 | 0.994897959 | 10 | 8 | 1 | 0 | 0 | 9 |
| 4 | C7 | 1.392857143 | 10 | 7 | 1 | 0 | 0 | 8 |
| 4 | C8 | 1.95 | 10 | 9 | 1 | 0 | 0 | 10 |
| 5 | Control | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| 5 | C1 | 0.184985787 | 10 | 0 | 0 | 0 | 1 | 1 |
| 5 | C2 | 0.258980102 | 10 | 1 | 2 | 0 | 1 | 4 |
| 5 | C3 | 0.362572143 | 10 | 1 | 3 | 1 | 0 | 5 |
| 5 | C4 | 0.507601 | 10 | 4 | 1 | 0 | 1 | 6 |
| 5 | C5 | 0.710641399 | 10 | 6 | 2 | 0 | 0 | 8 |
| 5 | C6 | 0.994897959 | 10 | 9 | 0 | 1 | 0 | 10 |
| 5 | C7 | 1.392857143 | 10 | 8 | 0 | 0 | 0 | 8 |
| 5 | C8 | 1.95 | 10 | 8 | 1 | 0 | 0 | 9 |