Table S1. Farmington. Count of number of detections (of the total samples analyzed), maximum residue measured (in ppb), and the maximum Pollen Hazard Quotient = maximum residue (ppb) ÷ contact LD50 (ug/bee) for each year of sampling and over all years. When no contact LD50 for the compound was available, the cell for Max PHQ contact was left blank. Contact LD50 values are from the sources cited in Table 1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Over all years** | | | **2007** | | | **2008** | | | **2009** | | | **2010** | | |
| **Pesticide** | **Count (of 69)** | **Max. (ppb)** | **Max PHQ contact** | **Count (of 32)** | **Max. (ppb)** | **Max PHQ contact** | **Count (of 9)** | **Max. (ppb)** | **Max PHQ contact** | **Count (of 15)** | **Max. (ppb)** | **Max PHQ contact** | **Count (of 13)** | **Max (ppb)** | **Max PHQ contact** |
| 3-Keto-carbofuran | 2 | 20 | - | 0 | 0 | - | 0 | 0 | 0.00 | 0 | 0 | - | 2 | 20 | - |
| Acephate | 1 | 6 | 5.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 1 | 6 | 5.00 |
| Atrazine | 27 | 15 | 0.15 | 10 | 8.4 | 0.09 | 3 | 4 | 0.00 | 10 | 15 | 0.15 | 4 | 2 | 0.02 |
| Azoxystrobin | 3 | 55 | 0.28 | 0 | 0 | 0.00 | 1 | 1.8 | 0.00 | 2 | 55 | 0.28 | 0 | 0 | 0.00 |
| Boscalid | 2 | 3.2 | 0.02 | 2 | 3.2 | 0.02 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Bromacil | 1 | 3.2 | 0.29 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 1 | 3.2 | 0.29 |
| Carbaryl | 36 | 227 | 206 | 24 | 227 | 206 | 3 | 49 | 44.55 | 1 | 5 | 4.18 | 8 | 36 | 32.73 |
| Carbendazim | 5 | 8.9 | 0.18 | 3 | 2 | 0.04 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 2 | 8.9 | 0.18 |
| Carbofuran | 1 | 2.3 | 14.38 | 1 | 2.3 | 14.38 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Chlorpyrifos | 1 | 2.5 | 250 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 1 | 2.5 | 250 | 0 | 0 | 0.00 |
| Coumaphos | 9 | 5.1 | 0.21 | 2 | 3.4 | 0.14 | 2 | 1.1 | 0.05 | 5 | 5.1 | 0.21 | 0 | 0 | 0.00 |
| Diazinon | 3 | 18 | 81.82 | 2 | 18 | 81.82 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 1 | 1.5 | 6.82 |
| Dimethoate | 3 | 4.2 | 26.25 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 3 | 4.2 | 26.25 | 0 | 0 | 0.00 |
| Dithiopyr | 5 | 4.8 | 0.06 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 5 | 4.8 | 0.06 | 0 | 0 | 0.00 |
| Fenthion | 11 | 197 | 640 | 11 | 197 | 640 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Imidacloprid | 10 | 70 | 1595 | 7 | 70 | 1595 | 1 | 6.2 | 141 | 1 | 5 | 114 | 1 | 3.2 | 72.89 |
| Metalaxyl | 5 | 8.8 | 0.09 | 1 | 2.1 | 0.02 | 1 | 4 | 0.04 | 3 | 8.8 | 0.09 | 0 | 0 | 0.00 |
| Methomyl | 11 | 20 | 125 | 4 | 20 | 125 | 1 | 14 | 87.50 | 4 | 8 | 51.88 | 2 | 2.5 | 15.63 |
| Metolachlor | 6 | 6.8 | 0.06 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 3 | 1 | 0.01 | 3 | 6.8 | 0.06 |
| Oxyflourfen | 1 | 3.7 | 0.04 | 1 | 3.7 | 0.04 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Pendimethalin | 2 | 8.2 | 0.16 | 1 | 6 | 0.12 | 0 | 0 | 0.00 | 1 | 8.2 | 0.16 | 0 | 0 | 0.00 |
| Phosmeta | 13 | 7 | 31.82 | 8 | 7 | 31.82 | 0 | 0 | 0.00 | 4 | 4 | 17.73 | 1 | 2.4 | 10.91 |
| Pyrimethanil | 2 | 52 | 0.52 | 2 | 52 | 0.52 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Simazine | 1 | 4.9 | 0.05 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 1 | 4.9 | 0.05 | 0 | 0 | 0.00 |
| Trichlorfon | 1 | 14 | 0.23 | 1 | 14 | 0.23 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |

a Maximum Pollen Hazard Quotient based on the contact LD50 from Agritox database [6].