**Table 1:** Imidacloprid and clothianidin residue (ppb) in sugar syrup and wax syrup pots (USDA, AMS, Gastonia, NC). NA= no sample

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sugar syrup (ppb) (% trt, syrup/trt)** | | | **Syrup in wax pots (ppb) (% syrup, pot/syrup)** | | | | **% changed in wax pots** |
| **Imidacloprid**  **treatment** | **8/26/12** | **10/5/12**  **(sample/trt) (sample/ trt)** | **mean** | **9/22/2012 to 12/2/2012** | | | **mean** | **mean pot/mean syrup** |
| **0 ppb** | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0  (100) | no change |
| **10 ppb** | 10 (100) | 17  (170) | 13.5 (135) | 10.8 (108) | 7.7 (57) | 15 (111) | 11.2 (83) | 17% lower 11.2/13.5 ppb |
| **20 ppb** | 20 (97) | 11  (57) | 15.5 (78) | 6.1 (39) | 10.7 (69) | 6 (39) | 7.6  (49) | 1% lower 7.6/15.5 ppb |
| **50 ppb** | 80 (161) | 61  (122) | 70.5 (141) | 60.1 (85) | 0 (0) | NA | 30.5 (43) | 57% lower 30.5/70.5 ppb |
| **100 ppb** | 114 (114) | 139  (139) | 126.5 (127) | 2.7 (2) | 0 (0) | NA | 1.4  (0) | 99% lower 1.4/126.5 ppb |
| **100,000 ppb stock** | 107000  (107) | 118000 (118) | 112500 (113) | - | - | - | - | - |
| **Clothianidin treatment** | **8/26/12** | **10/5/12** | **mean** | **9/22/2012 to 12/2/2012** | | | **mean** | **mean pot/mean syrup** |
| **0 ppb** | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0 (100) | 0 (100) | no change |
| **10 ppb** | 0 (0) | 10 (100) | 5 (50) | 7.5 (75) | 5.8 (116) | 7.9 (158) | 7.1 (142) | 42% higher  7.1/5 |
| **20 ppb** | 14 (69) | 20 (98) | 17 (85) | 0 (0) | 10.1 (59) | 12.3 (72) | 7.5 (44) | 56% lower  7.5/17 |
| **50 ppb** | 34 (68) | 43 (85) | 38.5 (77) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 100% lower 0/38.5 |
| **100 ppb** | 67 (67) | 85 (85) | 76 (76) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 100% lower  0/76 |
| **100,000 ppb stock** | 968000 (97) | 110000 (110) | 103400 (103) | - | - | - | - | - |