**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% lower7.5/17  |
| **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% lower0/76  |
| **100,000 ppb stock** | 968000 (97) | 110000 (110) | 103400 (103) | - | - | - | - | - |