**Figure 1. Queen mortality at weeks 1-11,** **A,** Imidacloprid, Week 6: Chi-square test = 9.26, DF = 4, 235, p<0.055, week 11: Chi-square test = 75.49, DF = 4,435, p<0.001. **B,** Clothianidin, Week 6: Chi-square test = 22.87, DF = 4, 247, p<0.001, week 11: Chi-square test = 102.78, DF = 4, 457, p<0.001, Kruskal-Wallis, Wilcoxon Test.

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**Figure 2. Bee consumption**, **A,** Imidacloprid, Week 2: F = 30.97, DF = 4, 16, p<0.001, Week 4: F = 10.31, DF = 4, 33, p<0.001, Week 6: F = 0.89, DF = 4, 8, p = 0.513, Week 8: F = 2.51, DF = 3, 17, p = 0.093. **B,** Clothianidin, Week 2: F = 17.68, DF = 4, 17, p<0.001, Week 4: F = 32.73, DF = 4, 15, p<0.001, Week 6: F = 9.37, DF = 4, 28, p<0.001, Week 8: F = 4.32, DF = 4, 8, p = 0.035, Proc Mixed, Tukey-Kramrer HSD and ANOVA. **C:\Users\J\Documents\School\Masters Degree\Research\Thesis Graphs and Tables\Stacked Imidacloprid and Clothianidin Tiff Graphs 7-1-13\Slide8.TIF**

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| **Figure 3. Colony weight**, **A,** Imidacloprid, Week 0: F = 1.84, DF = 4, 16, p = 0.170, Week 11: F = 16.20, DF = 4, 35, p< 0.001. **B,** Clothianidin, Week 0: F = 0.87, DF = 4, 37, p = 0.492, Week 11: F = 16.10, DF = 4, 37, p<0.001, ANOVA. |
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| **Figure 4. Wax syrup pots added,** **A,** Imidacloprid, Chi-square test = 10.23, DF = 4, p = 0.0368. **B,** Clothianidin, Chi-square test, F = 21.54, DF = 4, p<0.0002, Kruskal-Wallis, Wilcoxon Test.  **C:\Users\J\Documents\School\Masters Degree\Research\Thesis Graphs and Tables\Stacked Imidacloprid and Clothianidin Tiff Graphs 7-1-13\Slide10.TIF** |
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| **Figure 5. Worker, male, and queen production ,** Imidacloprid, Week 11: All Castes: F = 4.62, DF = 4, 35, p = 0.004, Workers: F = 1.92, DF = 4, 35, p = 0.129, Males: F = 4.59, DF = 4, 14, p = 0.014, Queens: F = 0.19, DF = 4, 35, p = 0.945. **B,** Clothianidin, Week 11: All Castes: F = 5.12, DF = 4, 37, p = 0.002, Workers: F = 2.15, DF = 4, 37, p = 0.094, Males: F = 7.44, DF = 4, 16, p = 0.002, Queens: F = 2.23, DF = 4, 37, p = 0.085, ANOVA. |
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