

Mid- Season Evaluation of Foliar Insecticides for Control of Insects on Sweet Corn, 2014: 'Xtra Tender 3473' sweet corn was planted on May 29 at the University of Delaware Research and Education Center located near Georgetown, Delaware. Plots were 25 ft long and two rows wide, planted on 5 ft centers. Each treatment was replicated 4 times and arranged in a RCB design. Silk sprays began at ear shank emergence. All applications were made using a CO₂ pressurized back pack sprayer delivering 38 gpa @ 40 psi. At harvest (Aug 1), all the ears from each plot were husked and evaluated for damage as percent clean ears (fresh market) and percent clean plus tip damaged ears (less than 1.0 inches from the tip- processing ears). Sap beetle damage was also evaluated on all husked ears. The total number of live larvae of each species were identified and counted. Data were analyzed using Proc GLM and means were separated by Tukey's mean separation test (P=0.05).

Trt #	Treatment	Application Date	Rate/A
1	A,C,E – Besiege	A – Jul 11, C – Jul 18, E – Jul 25	9 fl. oz
	B,D,F - Lannate LV + Warrior II	B- Jul 15, D – Jul 22, F – Jul 29	24 fl. oz + 1.92 fl. oz.
2	A,B,C – Besiege	A – Jul 11, B – Jul 15, C – Jul 18	9 fl. oz.
	D, E, F – Lannate LV + Warrior II	D – Jul 22, E – Jul 25, F – Jul 29	24 fl.oz. + 1.92 fl.oz.
3	A – F - Lannate LV + Warrior II	A- Jul 11, B- Jul 15, C- Jul 18 D – Jul 22, E – Jul 25, F – Jul 29	24 fl. oz + 1.92 fl. oz.
4	A – F – Warrior II	A- Jul 11, B- Jul 15, C- Jul 18 22, E – Jul 25, F – Jul 29	1.92 fl. oz.
5	A, B,C – Hero EC	A- Jul 11, B- Jul 15, C- Jul 18	9 fl. oz.
	D,E,F –Lannate LV + Warrior II	D - Jul 22, E – Jul 25, F – Jul 29	24 fl. oz + 1.92 fl. oz
6	A- F – Hero EC	A- Jul 11, B- Jul 15, C- Jul 18 D – Jul 22, E – Jul 25, F – Jul 29	4.5 fl. oz.
7	A,B,C – Sniper 2 EC	A- Jul 11, B- Jul 15, C- Jul 18	4 fl. oz.
	D,E,F – Lannate LV + Warrior II	D - Jul 22, E – Jul 25, F – Jul 29	24 fl. oz + 1.92 fl. oz.
8	A,C,E – Blackhawk 36 WG	A – Jul 11, C – Jul 18, E – Jul 25	3.3 oz
	B,D,F – Warrior II	B- Jul 15, D – Jul 22, F – Jul 29	1.92 fl. oz.
9	A,C,E – Exirel	A – Jul 11, C – Jul 18, E – Jul 25	16 oz
	B,D,F – Hero EC	B- Jul 15, D – Jul 22, F – Jul 29	7 fl. oz.
10	Untreated	----	----

Trt #	% Clean Ears (Fresh Market) ¹	% Clean + Tip Damaged Ears (Processing) ¹	Percent Damaged Ears ¹	
			CEW	Sap Beetles
1	99.38a	100.00a	0.63b	0.00a
2	100.00a	100.00a	0.00b	0.00a
3	98.13a	100.00a	1.88b	0.00a
4	98.13a	99.38a	1.25b	0.63a
5	98.75a	100.00a	1.25b	0.00a
6	98.13a	100.00a	1.88b	0.00a
7	98.13a	98.75a	0.63b	1.25a
8	96.88a	98.75a	1.25b	1.88a
9	99.38a	99.38a	0.00b	0.63a
10	77.50b	85.00a	18.13a	3.13a

¹Means in the same columns followed by the same letter are not significantly different (Tukey's; P=0.05).