

Insect Management in Late Planted Sweet Corn - 2003: 'Silverado' sweet corn was planted on July 8 at the University of Delaware Research and Education Center located near Georgetown, DE. Plots consisted of two rows, 25 ft-long plots planted on 30-inch centers. Each treatment was replicated 4 times and arranged in a RCB design. All treatments listed in the table were applied on a 3-4 day schedule (Aug 15, 19, 22, 26, 29; Sept 2 and 5). Applications of foliar insecticides were applied with a CO₂ pressurized back sprayer using 4 nozzles per row delivering 41 gpa at 40 psi. At harvest (Sep8), all ears from each plot were husked and evaluated for damage as percent clean ears and percent clean plus tip damaged ears (only within 1.0 inches from the tip). The total number of larvae of each species was also counted. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Corn earworm pressure was high. Corn borer and fall armyworm pressure was low-moderate. All treatments provided a significantly higher percentage of clean plus tip damaged ears compared to the untreated check. All treatments provided a higher percentage of clean ears compared to the untreated check except Lannate. Warriors provided the best CEW control and the highest percentage of clean ears as well as clean plus tip damaged ears compared to the other treatments. No phytotoxicity was observed.

Treatment	Rate/A	% Clean Ears	% Clean + Tip Damaged Ears	% Damaged Ears		
				CEW	ECB	FAW
Lannate LV	1.5 pt	7.60d	45.94d	92.40a	1.20b	0.00b
Asana XL	9.60 oz	29.35c	63.63bcd	65.94b	4.32b	2.37b
Warrior T	3.84 oz	92.67a	99.07a	7.34d	0.00b	0.00b
Mustang MAX	4 oz	26.20c	56.07cd	71.03b	3.24b	0.00b
Proaxis	3.84 oz	58.49b	79.10b	36.01c	1.57b	0.36b
S-1812 4EC	4.8 oz	29.60c	51.72cd	69.60b	4.16b	0.00b
S-1812 4EC	6.4 oz	32.45c	57.09cd	67.57b	3.59b	0.41b
S-1812 30WP	0.6 lbs	28.34c	49.76d	70.85b	6.69b	0.48b
S-1812 4EC + Asana XL	3.2 oz + 5.8 oz	37.72c	72.03bc	57.88b	2.81b	0.00b
Untreated	-----	0.00d	0.82e	91.48a	19.23a	15.64a

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