

Insect Management in Late Planted Sweet Corn - 2004: 'Silverado' sweet corn was planted on July 12 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 2-4 day schedule (Aug 27, 30; Sept 1, 3, 6, 10, 14, 16). 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 (Sep 21), all ears from each plot were husked and evaluated for damage as percent clean ears (fresh market) and percent clean plus tip damaged ears (only within 1.0 inches from the tip- processing ears). 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).

Fall armyworm and corn earworm pressure was moderately high. Corn borer pressure was low-moderate. All treatments provided a significantly higher percentage of processing ears compared to the untreated check except the low rate of BAS 320. All treatments provided a higher percentage of fresh market ears compared to the untreated check except the BAS 320 and the low rate of Baythroid. The pyrethroids (Warrior, Proaxis, Capture, Mustang and Baythroid) provided the best CEW control. The BAS 320 product provided the best FAW control. Warrior provided the highest percentage of clean ears. No phytotoxicity was observed.

Treatment	Rate/A	% Clean Ears (Fresh Market)	% Clean + Tip Damaged Ears (Processing Ears)	% Damaged Ears		
				CEW	FAW	ECB
Warrior	3.84 oz	56.25a	65.00a	0.00d	43.13b	0.00b
ProAxis(Gf-317)	3.84 oz	35.63b	46.88ab	0.63d	63.75ab	0.00b
Capture 2EC	2.56 oz	29.38bc	40.00b	0.63d	69.38a	0.63b
Mustang MAX	4 oz	38.75b	45.00ab	0.63d	60.63ab	0.00b
Baythroid	2 oz	16.25cd	29.38b	2.50d	82.50a	0.00b
Baythroid	2.8 oz	26.88bc	39.38b	1.88d	70.00a	0.00b
Asana XL plus Lannate LV	9.6 oz + 1 pt	33.75bc	48.13ab	25.63c	42.50b	0.63b
BAS 320 02 + Penetrator Plus	25.3 oz 0.5% V/V	17.50cd	34.38b	74.38b	7.50c	0.63b
BAS 320 02 + Penetrator Plus	21.0 oz 0.5% V/V	1.25d	10.00c	93.75a	7.50c	0.63b
Untreated	----	0.00d	0.00c	83.75ab	74.38a	36.88a

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