

Insect Management in Late Planted Sweet Corn - 2005: 'Silverado' sweet corn was planted on July 1 at the University of Delaware Research and Education Center located near Georgetown, DE. Plots consisted of two row, 20 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 11,15,18,22,26,29; Sep 2). 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 6), forty 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).

Sap beetle pressure was extremely heavy. Corn earworm pressure was high, but occurred late in the silk period. Corn borer pressure was moderate and fall armyworm pressure was low. All treatments provided a significantly higher percentage of processing ears (clean + tip damage) compared to the untreated check. All treatments provided a higher percentage of fresh market ears compared to the untreated check except the Avaunt, Intrepid and Larvin treatments. All treatments provided better CEW and ECB control compared to the untreated check. The Avaunt, Intrepid and Larvin treatments provided the lowest level of CEW and sap beetle control. No phytotoxicity was observed.

Treatment	Rate/A	% Clean Ears (Fresh Market)	% Clean + Tip Damaged Ears (Processing Ears)	% Damaged Ears			
				CEW	FAW	ECB	Sap Beetle
F2700 0.8 EW	4 oz	71.88bc	90.00a	15.00cd	0.63a	0.00b	26.78cd
Avaunt 30 WG	3.5 oz	11.25e	45.00b	59.38b	0.63a	2.50b	88.75a
DPX-E2Y45 + MSO	3.37 oz + 0.25% v/v	53.75d	78.75a	11.88cd	0.00a	0.63b	55.80b
Lannate LV alternated Warrior	1.5 pt alternate 3.84 oz	59.38cd	73.13a	22.50c	0.00a	1.25b	40.63bc
Intrepid 2F	8 oz	10.63e	35.00b	71.88b	0.00a	3.13b	89.38a
Larvin 3.2F	20 oz	14.38e	43.75b	62.50b	3.13a	3.13b	85.00a
Lannate LV + Warrior	1.5 pt + 3.84 oz	84.38ab	93.13a	1.88d	0.63a	1.88b	13.75d
Warrior	3.84 oz	88.13a	93.13a	4.38d	1.25a	0.63b	11.88d
Baythroid 2E	2.8 oz	77.50ab	86.88a	13.13cd	1.25a	1.25b	22.50cd
Baythroid XL	2.8 oz	73.50abc	86.25a	7.50cd	2.50a	3.75b	25.00cd
Decis 1.5EC	2.4 oz	74.38abc	86.88a	9.38cd	1.25a	1.25b	25.00cd
Untreated	---	0.00e	6.25c	95.00a	1.88a	13.13a	100.00a

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