

Insect Management in Late Planted Sweet Corn - 2007: 'Silver King ' sweet corn was planted on July 6 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 20, 23, 27, 30; Sep 4,7). Applications of foliar insecticides were applied with a CO₂ pressurized back sprayer using 4 nozzles per row delivering 63 gpa at 37 psi. At harvest (Sep 10), 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 Proc GLM and means were separated by Tukey's mean separation test (P=0.05).

Corn earworm pressure was high. Corn borer pressure and fall armyworm pressure was low. All treatments provided significantly better corn borer control compared to the untreated check. All treatments provided a significantly higher percentage of clean ears compared to the untreated check except the Belt and Alverde alone. All treatments provided a significantly higher percentage of processing ears compared to the untreated check except the Alverde alone. No phytotoxicity was observed.

Treatment	Rate/A	% Clean Ears (Fresh Market)	% Clean + Tip Damaged Ears (Processing Ears)	% Damaged Ears	
				CEW	ECB
Belt 4SC	3 oz	23.13de	32.50d	75.63ab	0.00b
Volium Xpress 1.27 ZC	8.2 oz	83.13a	90.00a	17.50d	0.00b
Coragen 1.69 SC	6.7 oz	55.63bc	67.50bc	43.75cd	0.00b
Alverde 1.69 EC plus LI- 700	16 oz plus 0.5% V/V	2.50e	11.25e	96.88a	0.00b
Alverde 1.69 EC plus Mustang MAX 0.8EC plus LI-700	13.7 oz + 4 oz + 0.5% V/V	47.50bcd	64.38bc	52.50bc	0.00b
Mustang MAX 0.8EC	4 oz	34.38cd	54.38c	59.38bc	1.25b
Capture 2EC	4 oz	51.88bc	69.38abc	46.88c	1.25b
Baythroid 2EC	2.8 oz	58.75abc	79.38ab	39.38cd	1.25b
Proaxis 0.5EC	3.84 oz	36.25cd	61.88bc	61.88bc	0.00b
Warrior 1CS	3.84 oz	61.25ab	80.00ab	37.50cd	0.00b
Untreated	----	0.00e	0.00e	100.00a	10.00a

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