

Late Planted Sweet Corn - Silk Spray Trial - 2002: 'Silverado' sweet corn was planted on July 6 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 2-4 day schedule (Aug 25, 27, 30; Sept 3, 6, 10, and 13). 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 17), all ears from each plot were husked and evaluated for damage as fresh market ears (no damage) and processing ears (no damage + damage only within 1.5 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 and fall armyworm pressure was high. Corn borer pressure was moderate. All treatments provided a significantly higher percentage of processing and fresh market ears and lower percentage of insect damaged ears compared to the untreated check. Warrior at the high rate provided a significantly higher percentage of fresh market and processing ears compared to the other treatments. No phytotoxicity was observed.

Treatment	Rate per Acre	% Clean Ears (Fresh Market)	% Tip Damaged Ears (Processing)	% Damaged Ears		
				Corn Earworm	Fall Armyworm	European Corn Borer
Warrior Zeon 1CS	2.56 oz	69.98d	82.36abc	10.66cd	17.43b	1.94b
Warrior Zeon 1CS	3.2 oz	77.96bcd	83.35abc	9.37cd	10.24b	2.43b
Warrior Zeon 1CS	3.84	93.59a	95.60a	2.48d	3.93b	0.00b
Capture 2EC	2.88 oz	89.82ab	93.77ab	5.86cd	4.25b	0.47b
Baythroid 2EC	2.8 oz	72.64cd	85.89abc	16.75c	10.68b	0.86b
Baythroid XL 1 EC	2.8 oz	74.22cd	81.60bc	15.53cd	10.39b	1.91b
XR-225	3.84 oz	53.70e	74.43c	35.17b	11.09b	0.47b
Untreated	-----	0.00f	3.84d	58.98a	57.03a	37.59

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