

Insect Management in Late Planted Sweet Corn - 2008: ' Sweet Ice ' sweet corn was planted on July 9 at the University of Delaware Research and Education Center located near Georgetown, DE. Plots consisted of one row, 25 ft-long plot 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 19, 22, 26, 29; Sep 2 and 5). Applications of foliar insecticides were applied with a CO₂ pressurized back sprayer using 2 nozzles per row delivering 76 gpa at 40 psi. At harvest (Sep 8), all the 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 a significantly higher percentage of clean and processing ears compared to the untreated check. All treatments provided a significantly lower percentage of CEW damaged ears compared to the untreated check. Overall, the Belt and Radiant treatments provided the lowest level of corn earworm control. No phytotoxicity was observed.

Treatment	Rate/A	# Appl.	% Clean Ears (Fresh Market)	% Clean + Tip Damaged Ears (Processing Ears)	% Corn Earworm Damaged Ears
Belt 480 SC + NIS	3 oz + 0.25% v/v	6	48.86b	63.11d	50.31b
Belt 480 SC + MSO	3 oz+ 0.25% v/v	6	54.62b	68.41cd	46.34b
Lannate LV+ Asana XL	24 oz + 9.6 oz	2			
Coragen 1.67SC+ MSO	3.4 oz + 0.5 %V/V	4	85.74a	92.70ab	14.26cd
Lannate LV+ Asana XL	24 oz + 9.6 oz	3			
Coragen 1.67SC	5 oz	3	82.93a	89.39ab	16.24cd
Coragen 1.67SC	Coragen 5 oz	3			
Lannate LV+ AsanaXL	24 oz + 9.6 oz	3	75.10a	78.59bcd	24.90c
Coragen 1.67SC+ MSO	5 oz + 0.5 %V/V	3			
Lannate LV + Asana XL	24 oz/A + 9.6 oz	3	76.06a	81.06abc	22.27cd
Lannate LV+ Asana XL	24 oz + 9.6 oz	6	78.18a	84.90abc	21.82cd
Warrior with Zeon Tech	3.84 oz	6	74.98a	83.92abc	25.02c
Radiant 1SC	6 oz	6	53.86b	62.35d	46.15b
Coragen 1.67SC+ MSO	5 oz+ 0.5 %V/V	6	77.00a	80.26abc	22.75cd
Voliam Xpress	8.2 oz	6	92.34a	96.30a	6.90d
Untreated Check	-----	---	4.37c	4.37e	94.73a

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