

Section II
Foliage & Seed-feeding & Mining Insects

CORN EARWORM CONTROL ON SWEET CORN IN WESTERN OREGON, 1987
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Jubilee var. sweet corn was seeded in 2 row plots 25 ft long on 20 May. Row space was 3 ft; distance between plants was 8 in. A completely randomized design with 3 replications was used. Two sprays were made using the equivalent of 158 GPA of water on 8 August at ca 90% silk and again 11 days later on 17 August. An R & D backpack sprayer using a vertically held 3 nozzle boom (12 in. spacing) (LF3 80° flat fan nozzles) directed insecticides to the ear zone at 40 PSI. Plots were harvested 1 Sept. selecting 50 ears from the middle 20 ft of each plot. Total CEW damaged ears are presented below. All treatments significantly reduced CEW damage.

Treatment	lb (ai)/acre	Ears/50 damaged					x ^{1/}	% Damaged
		I	II	III	T			
Ambush 2E	.15	4	7	4	15	5.0	b	10
Cymbush 3E	.06	5	6	3	14	4.6	b	9.2
Baythroid 2	.04	2	6	1	9	3.0	ab	6
Baythroid 2	.05	1	2	2	5	1.6	a	3.2
Asana 1.9EC	.04	2	0	3	5	1.6	a	3.2
Untreated	-	19	17	24	60	20.0	c	40

^{1/} No.'s followed by same letter in vertical column are not significantly different (P>0.05) DMRT.

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Corn Earworm Damaged Ears: \bar{x} Distance of Damage from Tip in Centimeters.

Treatment	lb (ai)/acre	\bar{x} Length of Damage from Tip in Centimeters					\bar{x}	% Damaged
		I	II	III	T			
Ambush 2E	.15	4.5	3.6	5.25	13.35	4.45		
Cymbush 3E	.06	3.7	3.3	5.	12.0	4.		
Baythroid 2	.04	3.25	4.2	2.0	9.45	3.15		
Baythroid 2	.05	5.	2.75	5.	12.75	4.25		
Asana 1.9EL	.04	3.5	0	3.3	6.8	2.67		
Untreated	-	4.8	2.7	3.4	10.9	3.6		