

University of Wisconsin Sweet Corn Insecticide Evaluations-2003

Variety: Super Sweet Jubilee Plus F1

Planting Date: June 19, 2003

Harvest Date: September 8, 2003 by pulling 25 ears from the middle two rows of each plot.

Location: University of Wisconsin Arlington Research Station, Field 434

Spray Schedule: Application # 1; August 13, 2003 (also row tassel)

Application # 2; August 18, 2003

Application # 3; August 25, 2003

Application # 4; August 31, 2003

Sprayer Information: Spirit hi-clearance sprayer equipped with TeeJet D2/23 cone tips on 20 inch centers and delivering 10.3 GPA of finished spray per acre at 2.6 MPH and 40 PSI.

Plot Design: Six rows wide x 50 ft.long, randomized complete block, four replicates.

Acknowledgements: We would like to thank Syngenta for their gracious donation of seed and to Ron Brecka, Seneca Foods, for his help in ordering and delivery of the seed.

Efficacy of Insecticides for Control of Corn Earworm and European Corn Borer on Sweet Corn. Arlington, WI. 2003.

Product	Rate (lbs AI/A)	Avg. # of damaged^a ears/25 ear sample^b	Avg. # of infested ears/25 ear sample^b	Avg. # of ECB/25 ear sample^b	Avg. # CEW/25 ear sample^b
Untreated	-	19.25 a	15.25 a	5.25 a	16.50 a
Proaxis 0.50 CS	0.012	18.75 a	10.25 b	2.50 b	10.25 ab
Warrior 1 CS	0.025	12.50 b	7.25 b	0.25 b	9.00 b
Capture 2 EC (app. 1)	0.040	15.75 ab	10.25 b	1.50 b	11.25 ab
Mustang Max 0.8 EC (app. 2-4)	0.025				
Mustang Max 0.8 EC	0.025	17.50 a	10.25 b	2.00 b	11.00 ab
Mustang Max 0.8 EC	0.030	14.50 ab	6.75 b	1.00 b	6.75 b
Capture 2 EC	0.040	16.50 ab	11.00 ab	0.50 b	12.75 ab

^a An ear is considered damaged if feeding occurs on two or more kernels

^b Means within a column followed by the same letter are not significantly different (P=0.05, Duncan's Multiple Range Test)