

Wireworm Management in Field Corn Using Seed Treatments - 2001: Pioneer '3394' was planted on May 2 at Murray Brothers Farms located near Selbyville, DE at a rate of 68 seeds per 40 foot of row. Four-row 40 foot long plots on 30-inch centers were replicated 4 times in a RCB design. Seeds treatments were commercially applied by Gustafson and Syngenta Seeds. The in-furrow application of Force 3G was applied in-furrow at-planting. Stand counts and wireworm damaged plant per 80 foot of row were evaluated on a 7-10 day basis from May 14 through June 4. Yields were taken from all four rows of each plot on September 21. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Wireworm pressure was high. All treatments provided significantly better wireworm control and yield compared to the untreated check. Overall the seed treatments provided the best wireworm control and yield.

Treatment	Rate	Yield BU/A	% Wireworm Damaged Plants**			Stand Count - Plants per 80 foot of row		
			May 14	May 22	June 4	May 14	May 22	June 4
Untreated	----	65.99d	9.5c	9.8a	14.5a	57.75c	56.5c	53c
Force 3G *	5.5 lbs/A	132.78c	3.3b	3.8b	2.8bc	82.25b	85b	84b
Gaucho	.161 mg ai/seed	156.18bc	0.6a	2.0b	10.0ab	120.25a	122.2a	114.5a
Prescribe	1.34 mg ai/seed	187.32ab	0.4a	0.8b	1.3c	121.00a	125.8a	126.3a
Clothianidin	.25 mg ai/seed	201.82a	0.4a	1.0b	2.0bc	123.00a	122.8a	119.0a
Adage	50 g ai/100 kg of seed	174.78ab	0.8a	1.0b	4.3bc	119.5a	124.5a	118.8a

Means within a column followed by the same letter are not significantly different (P=0.05, Ryan's q test).

* No rain for one month following application.