

**Wireworm Management in Field Corn Using Seed Treatments and Soil Insecticides, 2002:** 'NK58-D1' was planted on April 16 at Murray Brothers Farms located near Selbyville, DE at a rate of 24,000 plants per acre. 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 liquid in-furrow treatments were applied in 5.5 gallons of water per acre. Force 3G and Counter CR granular treatments were placed in-furrow. Stand counts and wireworm damaged plants were evaluated on a 7-10 day basis from April 24 through May 29. Yields were taken from the center two rows of each plot on September 13. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Wireworm pressure was low-moderate. On May 10, all the seed applied treatments provided significantly better wireworm control compared to the untreated check. In general, the seed treatments provided the better wireworm control. No phytotoxicity was observed.

Table I. Stand Count Data

Treatment	Rate	# Plants/100 ft		Number Plants / 35 ft			
		April 24	April 28	May 3	May 10	May 21	May 29
Gaicho 600	.161 mg ai/seed	110.50a	118.00ab	47.50a	46.75a	47.75a	46.25abc
Gaicho 600	1.34 mg ai/seed	87.00a	118.25ab	47.25a	46.75a	47.75a	47.5ab
Poncho (Clothianidin)	0.25 mg ai/seed	99.75a	109.75ab	47.00a	47.25a	47.25a	47abc
L0263	0.125 mg ai/seed	104.50a	122.25ab	49.00a	48.25a	48.00a	48a
L0263	0.08 mg ai/seed	108.50a	119.00ab	47.50a	46.50a	47.75a	46.25abc
Cruiser	100 g ai/100 kg seed	101.75a	129.75a	47.00a	46.50a	45.50a	47.25abc
Force 3 G	5.5 lbs/acre	107.75a	119.25ab	44.00a	43.25a	42.75a	42.25abc
Counter 20CR	6.5 lbs/acre	91.50a	101.50b	45.75a	46.25a	46.25a	45.75abc
Mustang 1.5 EW	4.2 oz/A	102.75a	109.25ab	44.50a	47.00a	44.00a	43.75abc
Warrior T	3.2 oz/acre	104.00a	117.25ab	46.50a	45.75a	45.25a	43.75abc
Regent 4 SC	4.16 oz/A	105.75a	126.25ab	46.00a	43.50a	43.00a	41.75bc
Untreated	-----	103.00a	109.75ab	44.75a	44.00a	43.75a	41.5c

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

Table II. Wireworm Damaged Plants and Yield

Treatment	Rate	Yield (BU/A)	% Wireworm Damaged Plants			
			May 3	May 10	May 21	May 29
Gaucho 600	.161 mg ai/seed	97.47a	0.50a	2.20bcd	1.69a	0.00a
Gaucho 600	1.34 mg ai/seed	114.14a	0.00a	0.39d	0.62a	0.00a
Poncho (Clothianidin)	0.25 mg ai/seed	105.06a	0.00a	0.46d	1.11a	0.00a
L0263	0.125 mg ai/seed	102.98a	0.52a	1.03cd	1.38a	1.56a
L0263	0.08 mg ai/seed	95.80a	2.12a	1.63bcd	0.63a	2.71a
Cruiser	100 g ai/100 kg seed	124.90a	0.53a	1.20bcd	1.19a	0.00a
Force 3 G	5.5 lbs/acre	114.88a	1.19a	3.09abc	1.91a	0.54a
Counter 20CR	6.5 lbs/acre	94.94a	2.73a	3.21abcd	1.04a	1.13a
Mustang 1.5 EW	4.2 oz/A	90.48a	2.31a	3.29abc	2.08a	0.00a
Warrior T	3.2 oz/acre	103.57a	2.70a	3.47abc	1.97a	0.00a
Regent 4 SC	4.16 oz/A	130.06a	3.75a	3.48ab	1.65a	1.24a
Untreated	-----	62.06a	1.66a	5.24a	1.42a	0.00a

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