

Soil Insect Management In Field Corn with Warrior and Riser, 2003- Field corn plots were planted at 3 locations comparing the advantage of using the soil insecticide Warrior with and without the “pop-up: fertilizer Riser. Four row plots 200 ft long on 30-inch centers were replicated 4 times in a RCB design. Stand counts and insect damaged plants were evaluated on a 7-10 day basis from plant emergence through the 6 leaf stage. Yields were taken from the center two rows of each plot. Data were analyzed using ANOVA and means were separated by Ryan’s q-test (P=0.05).

I. Bergfelder, Felton, DE

Planting Date: April 22 Variety: Pioneer 34H31 Harvest Date: September 30

Treatment	Rate/A	Yield BU/A	Stand Count			% White Grub Damaged Plants	
			May 5	May 15	May 30	May 15	May 30
Warrior T+ Riser	3.84 oz + 2.5 gal	96.78a	26,812.50a	27437.5a	27937.5a	0.67a	0.45b
Warrior T	3.84 oz	96.62a	26,062.50a	27812.5a	27750.0a	0.67a	0.69b
Untreated	----	97.59a	27,500.00a	27312.5a	27687.5a	0.92a	1.58a
Riser	2.5 ga	103.17a	27,687.50a	28312.5a	28062.5a	0.45a	1.56a

II. Willin Farms, Inc – Seaford, DE

Planting Date: April 24 Variety: Dekalb DKC 60-08 Harvest Date: October 25

Treatment	Rate/A	Yield BU/A	Stand Count			% Wireworm Damaged Plants	
			May 6	May 14	May 20	May 14	May 20
Warrior T+ Riser	3.84 oz + 2.5 gal	147.92a	25,875.00a	26,750.00a	27,312.50a	1.20a	0.91a
Warrior T	3.84 oz	146.83a	26,437.50a	27250.00a	27,187.50a	2.77a	1.38a
Untreated	----	154.38a	26,375.00a	26,812.50a	27,000.00a	2.60a	3.26a
Riser	2.5 ga	151.94a	25,187.50a	26,062.50a	26,187.50a	1.00a	2.64a

III. Baker Farms - Middletown, DE

Planting Date: May 7 Variety: Doeblers HC540 Harvest Date: October 7

Treatment	Rate/A	Yield BU/A	Stand Count		% Slug Damage	
			May 21	May 30	May 21	May 30
Warrior T+ Riser	3.84 oz + 2.5 gal	132.67a	26,500.00a	27,125.00a	98.79a	100.00a
Warrior T	3.84 oz	126.58a	26,937.50a	27,625.00a	97.91a	100.00a
Untreated	----	117.91a	27,062.50a	28,500.00a	98.17a	98.05a
Riser	2.5 ga	127.41a	25,937.50a	27,125.00a	94.50a	100.00a