

## Corn Rootworm Insecticide Test – 2000

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General information for 2000 corn rootworm insecticide test. Gerald Wilde, Kansas State University, Department of Entomology, Manhattan, KS.

**Pest:** Western Corn Rootworm, *Diabrotica vergifera vergifera*

**Crop:** Corn, Pioneer 3237

**Planting Dates:** April 27

**Location:** Norway, KS (Field #2, C-11)

**Cultivation:** May 27, June 8

**Herbicide:** Full time at 1 ½ qts/acre in a band

**Plot size:** 1 row 30 ft. long, 4 replications, 30 inch row spacing

**Experimental Design:** Randomized Complete Block, 34 treatments

**Planting Information:** Planted corn 1 ½ inches in depth.

**Field History:** Corn 1999

**Fertilization:** Pre-plant 100# of 11-52-0/acre, starter 12 gal acre 10-34-0 and 150# NH<sub>3</sub>

**Application Information:** Granular and liquid insecticides applied as directed by protocols with v-belt seeder infurrow or T Band.

**Cultivation Treatment:** June 6

**Evaluation:** Corn rootworm larvae damage rating on 4 plants per plot on 6/28/00  
 Scale 1-6: 1 = no damage; 6 = severe damage

**Phytotoxicity:** none noted

**Irrigation:** Weekly. From June 15-Aug 26

**Soil:** pH 6.4, OM 2.8%, sand 26%, silt 56%, clay 18%, CEC 20.3

**Yield:** Hand harvested on September 15. Yield expresses as bu/acre at 12.5%

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Treatment	Form	Rate/100ft	Place	Rootworm Rating
Force	3G	4 oz	TB	1.63 h
Furadan	4F	1.0 a.i.	BCUL	1.63 h
Force	2.5	.24 floz	IF	1.81 gh
Regent	4SC	.24 floz	TB	1.81 gh
Force SC	2.08	.44 floz	IF	1.87 gh
Aztec	2.1BD	6.7 oz	TB	1.87 gh
Force	2.5	.48 floz	TB	1.94 gh
Regent	4E	.24 floz	IF	1.94 gh
Thimet	20G	6 oz	TB	1.94 gh
Aztec	2.1	6.7 oz	TB	2.00 fgh

Force SC	2.08	.44 floz	TB	2.00 fgh
Capture	2	0.2 + 0.1 floz	IF + TB	2.00 fgh
Force	2.5	.36 floz	IF	2.06 fgh
Warrior	1.02	.22 floz	TB	2.06 fgh
Leverage	2.7	4 floz	IF	2.13 efgh
Force	2.5	.48 floz	IF	2.19 efgh
Counter	20CR	6 oz	TB	2.25 defgh
Force	2.5	.24 floz	TB	2.27 defgh
Capture	2	.35 floz	IF	2.31 cdefgh
Warrior	1.02	.44 floz	TB	2.44 bcdefgh
Aztec	2.1BD	6.7 oz	IF	2.44 bcdefgh
Aztec	2.1BD	5.1 oz	IF	2.44 bcdefgh
Aztec	2.1BD	5.1 oz	TB	2.56 bcdefg
Capture	2	.3 floz	TB	2.60 bcdefg
Fortress	5G	3 oz	TB	2.63 bcdefg
Aztec	2.1	6.7 oz	IF	2.81 bcdef
Capture	2	.35 floz	TB	2.94 bcde
Capture	2	.3 floz	IF	3.06 bcd
Lorsban	15G	8 oz	IF	3.06 bcd
Warrior	1.02	.66 floz	TB	3.07 bcd
Force	3G	4 oz	IF	3.13 bc
Force	2.5	.36 floz	TB	3.13 bc
Lorsban	15G	8 oz	TB	3.25 ab
Untreated	n/a	n/a	n/a	4.00 a

Place: IF = Infurrow, TB = T-Band, BCUL = Band at cultivation

Rate: oz granular product or fl oz liquid per 1000 row ft.

**LSD – 0.8336**



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Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

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