

**Corn rootworm insecticide test 1998, Abilene, KS**  
**G. Wilde, Department of Entomology, Kansas State University**

<b>Pest:</b>	Western Corn Rootworm, <i>Diabrotica vergifera vergifera</i>
<b>Crop:</b>	Corn Pioneer 33A14
<b>Location:</b>	Abilene, KS
<b>Planting Date:</b>	May 2
<b>Cultivation Treatment:</b>	June 3
<b>Herbicide:</b>	1.5 lb at atrazine, 1 qt crop oil, 2 oz. Sencor on May 15
<b>Plot Size:</b>	1 row 30 ft. long, 4 replications, 30 inch row spacing
<b>Experimental Design:</b>	Randomized Complete Block, 22 Treatments
<b>Planting Information:</b>	Planted corn 1 1/2 to inches in depth
<b>Field History:</b>	Corn, 1997
<b>Application Information:</b>	Insecticides applied with v-belt seeder in T Band or infurrow. Sprays applied with hand sprayer.
<b>Evaluation:</b>	Corn rootworm larvae damage rating on 4 plants per plot on June 30, 1998. Scale 1-6: 1=no damage; 6=severe damage
<b>Phytotoxicity:</b>	none noted
<b>Irrigation:</b>	Weekly. From 2 <sup>nd</sup> week in June until July 4
<b>Soil:</b>	pH 7.7, OM 3.2%, sand 28%, silt 46%, clay 26%, CEC 28.8

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	<b>Trt</b>	<b>Form</b>	<b>Rate<sup>1</sup></b>	<b>Time<sup>2</sup></b>	<b>Place<sup>3</sup></b>	<b>Rootworm Rating</b>
1	Force	3G	0.12	P	IF	3.13 bcdef
2	Force	3G	0.12	P	B	3.44 bcdef
3	Aztec	2.1	6.7 oz	P	IF	2.87 cdef
4	Aztec	2.1	6.7 oz	P	B	3.19 bcdef
5	Regent	80WG	0.13, 1 gal	P	IF	3.19 bcdef
6	Regent	80WG	0.13, 2 gal	P	IF	3.13 bcdef
7	Regent	4SC	0.13, 1 gal	P	IF	3.31 bcdef
8	Counter	20CR	6 oz	P	IF	2.63 ef
9	Counter	20GR	6 oz	P	B	3.19 bcdef
10	Thimet	20G	6 oz	P	B	3.75 bcd
12	Furadan	4F	1.0	C	BR	2.50 f
14	Lorsban	15G	8 oz	P	B	4.06 b
15	Fortress	5G	3 oz	P	IF	4.13 b
16	Fortress	5G	3 oz	P	B	3.81 bc
17	Lorsban	15G	8 oz	P	IF	3.81 bc
18	Untreated	—	—	—	—	5.37 a
19	Force	3G	0.12	C	B	3.63 bcde
20	Aztec	2.1G	6.7 oz	C	B	2.94 cdef
21	Counter	20CR	6 oz	C	B	2.50 f
22	Lorsban	15G	8 oz	C	B	2.87 cdef
23	Fortress	5G	3 oz	C	B	2.69 def
24	Thimet	20G	6 oz	C	B	3.06 bcdef

<sup>1</sup>Rate = lb/acre or oz. Product/1000 row ft.

<sup>2</sup>P = Planting, C = Cultivation

<sup>3</sup>IF = Infurrow, B = T-Band, BR = Broadcast

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

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