



### **2002 corn rootworm insecticide test: Ames, KS.**

Gerald Wilde, Kansas State University, Department of Entomology, Manhattan, KS.

Pest:	Western Corn Rootworm, <i>Diabrotica virgifera virgifera</i>
Crop:	Corn
Planting Date:	April 24
Location:	Ames, KS
Plot size:	10 ft wide 40 ft. long, 4 replications, 30 inch row spacing
Experimental Design:	Randomized Complete Block, 32 treatments
Planting Information:	Planted corn 2 inches in depth.
Field History:	Corn 2001
Application Information:	Granular and liquid insecticides applied with v-belt seeder or in liquid form in furrow or T Band as directed by protocols or seed treatments supplied by company.
Evaluation:	Corn rootworm larvae damage rating on 4 plants per plot on June 27, 2002. Scale 0-3=no damage; 3=severe damage
Soil:	Silt Loam
Insecticide Applied:	Treatments (See Table Below)

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Trt Treatment No. Name	Form amt.	Rate	Rate Unit	Application Method	Root Rating 0-3
13 Cruiser 5 FS	5 FS	400	GA/100 kg Seed	ST	0.31 c
9 L0263-A1	0	1.00	mg Al/Seed	ST	0.32 c
28 Dow	60g/l	0.015	lt/A	T band	0.34 c
2 Clothianidin	0	1.25	mg Al/Seed	ST	0.38 c
11 Cruiser 5 FS	5 FS	300	GA/100 kg Seed	ST	0.40 c
31 Thimet 20 G	20 G	6.00	oz/1000 row ft	T band	0.41 c
21 Capture 2 EC	2 EC	0.30	fl oz/1000 row ft	T band	0.47 c
24 Lorsban 15 G	15 G	8.00	oz/1000 row ft	T band	0.47 c
30 Fortress 5 G	5 G	3.00	oz/1000 row ft	T band	0.48 c
26 Leverage	2.7	5.00	fl oz/A	IF	0.58 bc
29 Capture	2 EC	0.30	fl oz/1000 row ft	IF	0.58 bc
23 Aztec 2.1 GR	2.1 GR	6.70	oz/1000 row ft	T band	0.59 bc
7 Counter	20 GR	6.00	oz/1000 ft	IF	0.61 bc
5 Prescribe	0	1.34	mg Al/Seed	ST	0.66 bc
8 Lorsban Granular	15 G	8.00	oz/1000 ft	IF	0.69 abc
16 Force ST 2.5 FS	2.5 FS	329.6	GA/100 kg Seed	ST	0.71 abc
27 Leverage	2.7	5.00	fl oz/A	T band	0.73 abc
15 Prescribe 600 FS	600 FS	500	GA/100 kg Seed	ST	0.74 abc
22 Force 3G	3 G	5	oz/1000 row ft	T band	0.74 abc
12 Cruiser 5 FS	5 FS	400	GA/100 kg Seed	ST	0.75 abc
6 AZTEC	2.1 G	6.70	oz/1000 ft	IF	0.77 abc
3 Clothianidin	0	0.25	mg Al/Seed	ST	0.82 abc
17 A10735	0	329.6	GA/100 kg Seed	ST	0.82 abc
14 Gaucho 600 FS	600 FS	400	GA/100 kg Seed	ST	0.83 abc
4 L1116		1.00	mg Al/Seed	ST	0.85 abc
32 Regent 4S C	4S C	0.24	fl oz/1000 row ft	IF	0.95 abc
20 Warrior W/Zeon 1 CS	1 CS	4.13	fl oz/A	T band	1.01 abc
10 L0263-A1	0	0.125	mg Al/Seed	ST	1.13 abc
18 Warrior W/Zeon 1 CS	1 CS	1.37	fl oz/A	T band	1.16 abc
19 Warrior W/Zeon 1 CS	1 CS	2.75	fl oz/A	T band	1.51 ab
1 Untreated Check	0	0.00			1.58 a
25 Untreated					1.59a

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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