

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

Pest: Western corn Rootworm, *Diabrotica vergifera vergifera*

Crop: Corn, DK56

Location: Manhattan, KS

Planting Date: May 4

Herbicide: Frontier 1.25 pt/acre on 5/5, Atrex 4 1, 1 qt/acre on 5/5,
Buctril Atrazine 1 pt/acre on 5/18

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

Experimental Design: Randomized Complete Block, 15 Treatments

Planting Information: Planted corn 1 1/2 inches in depth

Field History: Corn, 1997

Fertilization: 11-52-0 on 4/14 at 80#/acre

Application Information: Insecticides applied with v-belt seeder in T Band or infurrow

Evaluation: Corn rootworm larvae damage rating on 4 plants per plot on July 2, 1998. Scale 1-6: 1=no damage; 6=severe damage

Phytotoxicity: none noted

Soil: pH 7.5, OM 5%, sand 26%, silt 40%, clay 34%, CEC 27.4

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	Trt	Form	Rate¹	Time²	Place³	Rootworm Rating
1	Force	3G	0.12	P	IF	4.13 b
2	Force	3G	0.12	P	B	3.25 bcd
3	Aztec	2.1	6.7 oz	P	IF	2.31 de
4	Aztec	2.1	6.7 oz	P	B	1.94 e
5	Regent	80WG	0.13, 1 gal	P	IF	2.56 cde
6	Regent	80WG	0.13, 2 gal	P	IF	2.25 e
7	Regent	4SC	0.13, 1 gal	P	IF	2.69 cde
8	Counter	20CR	6 oz	P	IF	3.50 bc
9	Counter	20GR	6 oz	P	B	2.56 cde
10	Thimet	20G	6 oz	P	B	2.13 e
14	Lorsban	15G	8 oz	P	B	2.63 cde
15	Fortress	5G	3 oz	P	IF	2.75 cde
16	Fortress	5G	3 oz	P	B	2.56 cde
17	Lorsban	15G	8 oz	P	IF	2.63 cde
18	Untreated	——	——	——	——	5.94 a

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

²P = Planting, C = Cultivation

³IF = 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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