

Corn rootworm insecticide test 1998, Norway, KS

G. Wilde, Department of Entomology, Kansas State University

Pest:	Western Corn Rootworm, <i>Diabrotica vergifera vergifera</i>
Crop:	Corn Golden Harvest H-2581
Location:	Norway, KS
Planting Date:	April 25
Cultivation Treatment:	June 3
Herbicide:	Full-time
Plot Size:	1 row 30 ft. long, 4 replications, 30 inch row spacing
Experimental Design:	Randomized Complete Block, 22 Treatments
Planting Information:	Planted corn 1 1/2 to inches in depth
Field History:	Corn, 1997
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 June 30, 1998. Scale 1-6: 1=no damage; 6=severe damage
Phytotoxicity:	none noted
Irrigation:	Weekly after July 1, except when rain occurred until early Sept.
Soil:	pH 7.5, OM 5%, sand 26%, silt 40%, clay 34%, CEC 27.4

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

	Trt	Form	Rate¹	Time²	Place³	Rootworm Rating
1	Force	3G	0.12	P	IF	3.19 bcd
2	Force	3G	0.12	P	B	3.44 bc
3	Aztec	2.1	6.7 oz	P	IF	2.27 fg
4	Aztec	2.1	6.7 oz	P	B	1.94 g
5	Regent	80WG	0.13, 1 gal	P	IF	2.69 cdefg
6	Regent	80WG	0.13, 2 gal	P	IF	2.75 cdefg
7	Regent	4SC	0.13, 1 gal	P	IF	3.07 bcdef
8	Counter	20CR	6 oz	P	IF	2.33 defg
9	Counter	20GR	6 oz	P	B	2.31 efg
10	Thimet	20G	6 oz	P	B	2.44 defg
12	Furadan	4F	1.0	C	BR	2.50 defg
14	Lorsban	15G	8 oz	P	B	3.13 bcde
15	Fortress	5G	3 oz	P	IF	2.31 efg
16	Fortress	5G	3 oz	P	B	2.75 cdefg
17	Lorsban	15G	8 oz	P	IF	3.19 bcd
18	Untreated	——	——	——	——	5.18 a
19	Force	3G	0.12	C	B	3.81 b
20	Aztec	2.1G	6.7 oz	C	B	3.13 bcde
21	Counter	20CR	6 oz	C	B	2.87 cdef
22	Lorsban	15G	8 oz	C	B	3.13 bcde
23	Fortress	5G	3 oz	C	B	3.00 bcdef
24	Thimet	20G	6 oz	C	B	2.87 cdef

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.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

It is the policy of Kansas State University Agricultural Experiment Station and Cooperative Extension Service that all persons shall have equal opportunity and access to its educational programs, services, activities, and materials without regard to race, color, religion, national origin, sex, age or disability. Kansas State University is an equal opportunity organization. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating. Marc A. Johnson, Director.