

2001 corn rootworm soil insecticide test.

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

Pest:	Western Corn Rootworm, <i>Diabrotica virgifera virgifera</i>
Crop:	Corn
Planting Date:	May 1
Location:	Norway, KS
Herbicide:	
Plot size:	1 row 30 ft. long, 4 replications, 30 inch row spacing
Experimental Design:	Randomized Complete Block, 18 treatments
Planting Information:	Planted corn 1 1/2 inches in depth
Field History:	Corn 2000
Application Information:	Granular and liquid insecticides applied as directed by protocols with v-belt seeder in-furrow or T Band
Evaluation:	Corn rootworm larvae damage rating on 4 plants per plot on July 3, 2001. Scale 0-3=no damage; 3=severe damage
Phytotoxicity:	none noted
Rainfall and Temperature:	
Irrigation:	Weekly. From first week in July
Soil:	
Yield:	Will be hand harvested.
Insecticide Applied:	Treatments (See Table Below)

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Treatment	Form	Rate ¹	Rate ²	
Fortress	5 G	3 oz	IF	0.55 g
Regent	4 SC	0.24 fl oz	IF	0.65 fg
Fortress	5 G	3 oz	TB	0.72 efg
Aztec	2.1	6.7 oz	TB	0.77 defg
Force	3 G	4 oz	B	0.77 defg
Counter	20 CR	6 oz	IF	0.77 defg
Aztec	2.1	6.7 oz	IF	0.79 defg
Leverage	2.7	4.0 oz	IF	0.81 defg
Capture	2 Ec	0.3 oz	TB	0.85 defg
Capture	2 Ec	0.3 oz	IF	0.87 defg
Thimet	20 G	6 oz	TB	0.89 defg
Counter	20 CR	6 oz	TB	0.91 def
Lorsban	15 G	8 oz	IF	0.99 cdef
Lorsban	15 G	8 oz	TB	1.03 cde
Force	3 G	4 oz	IF	1.11 bcd
Capture	1.15 G	8 oz	IF	1.31 b
Capture	1.15 G	8 oz	TB	1.41 b
Untreated	-----	-----	-----	1.77 a
				LSD=0.36

¹ oz per 1000 row ft

² IF – in-furrow, TB - T Band

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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