



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

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:                | Manhattan, KS   |
| Plot size:               | 10 ft wide 40 ft. long, 4 replications, 30 inch row spacing   |
| Experimental Design:     | Randomized Complete Block, 18 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. |
| Evaluation:              | Corn rootworm larvae damage rating on 4 plants per plot on June 28, 2002. Scale 0-3=no damage; 3=severe damage              |
| Soil:                    | Silt Loam   |
| Insecticide Applied:     | Treatments (See Table Below)  |

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| Trt Treatment<br>No. Name | Form amt. | Rate  | Rate Unit         | Application<br>Method | Root Rating<br>0-3 |
|---------------------------|-----------|-------|-------------------|-----------------------|--------------------|
| 6 AZTEC                   | 2.1 G     | 6.70  | oz/1000 ft        | IF                    | 0.11 b             |
| 30 Fortress 5 G           | 5 G       | 3.00  | oz/1000 row ft    | T band                | 0.28 ab            |
| 32 Regent 4S C            | 4S C      | 0.24  | fl oz/1000 row ft | IF                    | 0.28 ab            |
| 7 Counter                 | 20 GR     | 6.00  | oz/1000 ft        | IF                    | 0.47 ab            |
| 24 Lorsban 15 G           | 15 G      | 8.00  | oz/1000 row ft    | T band                | 0.53 ab            |
| 22 Force 3G               | 3 G       | 5     | oz/1000 row ft    | T band                | 0.55 ab            |
| 23 Aztec 2.1 GR           | 2.1 GR    | 6.70  | oz/1000 row ft    | T band                | 0.56 ab            |
| 26 Leverage               | 2.7       | 5.00  | fl oz/A           | IF                    | 0.62 ab            |
| 31 Thimet 20 G            | 20 G      | 6.00  | oz/1000 row ft    | T band                | 0.65 ab            |
| 21 Capture 2 EC           | 2 EC      | 0.30  | fl oz/1000 row ft | T band                | 0.66 ab            |
| 8 Lorsban Granular        | 15 G      | 8.00  | oz/1000 ft        | IF                    | 0.67 ab            |
| 28 Dow                    | 60g/l     | 0.015 | lt/A              | T band                | 0.78 ab            |
| 27 Leverage               | 2.7       | 5.00  | fl oz/A           | T band                | 0.79 ab            |
| 19 Warrior W/Zeon 1 CS    | 1 CS      | 2.75  | fl oz/A           | T band                | 0.88 ab            |
| 20 Warrior W/Zeon 1 CS    | 1 CS      | 4.13  | fl oz/A           | T band                | 1.02 ab            |
| 29 Capture                | 2 EC      | 0.30  | fl oz/1000 row ft | IF                    | 1.09 ab            |
| 1 Untreated Check         | 0         | 0.00  |                   |                       | 1.33 ab            |
| 18 Warrior W/Zeon 1 CS    | 1 CS      | 1.37  | fl oz/A           | T band                | 1.43 a             |

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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