



# Crop Watch

Addendum of  
Tables  
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## Corn rootworm thresholds for following year

Average number of western corn rootworm beetles present in cornfields that may produce an economically damaging rootworm population in corn the following year.

<i>Plants per acre</i>	<i>Average number of rootworm beetles</i>			
	<i>Continuous corn<sup>1</sup></i>		<i>First year corn<sup>2,3</sup></i>	
	<i>Per plant</i>	<i>Per ear zone</i>	<i>Per plant</i>	<i>Per ear zone</i>
14,000	1.28	0.64	0.96	0.48
16,000	1.12	0.60	0.84	0.42
18,000	1.00	0.50	0.75	0.37
20,000	0.90	0.45	0.68	0.34
22,000	0.81	0.40	0.61	0.30
24,000	0.75	0.37	0.56	0.28
26,000	0.69	0.34	0.52	0.26
28,000	0.64	0.32	0.48	0.24
30,000	0.60	0.30	0.45	0.23
32,000	0.56	0.28	0.42	0.21

<sup>1</sup>Based on a 50:50 ratio of females to males.

<sup>2</sup>Based on a 70:30 ratio of females to males.

<sup>3</sup>Use this threshold for continuous corn fields that did not have larval populations earlier in the season (adult beetles are immigrants, similar to first year corn).

## Red Cedar control measures

Table 1: Percent red cedar control and grass injury at 100 days after treatment in individual-tree study at two locations (Center and St. James).

<i><sup>a</sup>Product name</i>	<i>Dose</i>	<i><sup>b</sup>\$\$/acre (%v/v)</i>	<i>Cedar Control (%)</i>		<i>Grass injury (%)</i>	
			Center	St. James	Center	St. James
Plenum	0.5	-	30	3	22	15
Plenum	1.0	-	84	69	37	42
Plenum	1.5	-	96	89	66	45
Garlon EV	1.0	-	25	14	13	7
Grazon P+D	2.0	11	90	90	44	52
Tordon 22K	1.0	16	94	92	74	64
Untreated check			0	0	0	0

Table 2 on page 2.

<sup>a</sup>Treatments 1-4 are experimental premixes

<sup>b</sup>Cost per acre not available for treatments 1-4 because they are not marketed products yet.

**Red Cedar (Continued)**

Table 2: Percent control of eastern red cedar at two locations (Center and St. James) as influenced by the tree height in broadcast study at 100 DAT.

<i><sup>a</sup>Treatments</i>	<i>Dose/acre</i>	<i><sup>b</sup>\$/acre</i>	<i>Tree height at Center</i>			<i>Tree height at St. James</i>			
			<i>0-1ft</i>	<i>1-2</i>	<i>2-4ft</i>	<i>0-1ft</i>	<i>1-2ft</i>	<i>2-4ft</i>	<i>&gt;4ft</i>
1. Plenum	3 pt	-	40	33	13	40	33	26	12
2. Plenum	4 pt	-	-	96	60	73	59	27	15
3. Plenum	5 pt	-	95	85	43	87	70	23	5
4. Garlon GS	4 pt	-	15	8	37	33	19	7	4
5. Garlon EV	4 pt	-	15	12	10	30	20	11	7
6. Garlon EV	6 pt	-	12	20	10	30	16	8	4
7. Grazon P+D	6 pt	21	95	47	18	93	53	40	16
8. Grazon P+D	8 pt	26	96	76	33	88	86	40	18
9. Tordon 22k	2 pt	22	95	50	16	79	63	42	25
10. <sup>c</sup> Physical removal		120	100	100	100	100	100	100	100
11. Untreated check			0	0	0	0	0	0	0

<sup>a</sup>Treatments 1-6 are experimental premixes

<sup>b</sup>Cost per acre not available for treatments 1-6 because they are not marketed products yet.

<sup>c</sup>Physical removal was done by hand held saw and assuming labor cost of 15/hour