

**SURVEY OF INSECTICIDE USE IN SUGARBEET IN EASTERN
NORTH DAKOTA AND MINNESOTA - 2000**

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Other portions of the survey are published in the
Weed Control and Plant Pathology sections

Sugarbeet growers reported sugarbeet acreage treated with insecticide on the annual survey of sugarbeet growers ([Table 1](#)). Counter 15G, Lorsban 15G and Temik 15G were primarily used as planting-time treatments, whereas Lorsban 4E was primarily applied postemergence. Counter 15G and Lorsban 15G were used on 52% and 15% of the acres, respectively, in 2000 while Counter 15G was used on 59% and Lorsban 15G on 11% of the acreage in 1999. The acreage treated with Lorsban 4E declined from 42% of the acreage in 1992 to 2% in 1996. Lorsban 4E usage was 8% in 1998, 3% in 1999 and 2% in 2000. Lorsban 4E was primarily used for control of adult root maggot flies and fly populations have declined after 1992. Averaged over all insecticides and counties, 71% of the acreage was treated in 2000 compared to 74% in 1999, 83% in 1998, 74% in 1997 and 73% in 1996.

The grower evaluations of insect control averaged over counties is presented in [Table 2](#). The satisfaction with root maggot control generally was good with 95% evaluating control as good or excellent. Other insect control was evaluated as good or excellent by 91% of the respondents.

Table 1. Insecticide use by survey respondents in 2000.

County	Number of appl.	Acres not treated	Counter 15G	Lorsban 15G	Lorsban 4E	Other ⁷	Temik 15G	Total acres treated
-----% of acres planted-----								
Cass	20	38	49	8	0	5	0	62
Chippewa ¹	3	92	0	5	<1	2	0	7
Clay ²	35	29	52	17	1	1	0	71
Grand Forks	26	10	66	23	0	0	0	89
Kittson	17	14	60	64	<1	0	0	124
Marshall	40	6	81	13	0	0	0	94
Norman ³	26	23	71	6	1	0	0	78
Pembina	59	1	72	13	15	<1	5	105
Polk	72	3	83	14	1	0	0	98
Renville ⁴	3	96	0	3	<1	0	0	3
Richland	12	60	21	15	<1	0	0	36
Trail	26	8	80	12	0	0	0	92
Traverse ⁵	1	99	0	0	1	0	0	1
Walsh	39	0	75	24	14	3	3	119
Wilkin ⁶	26	38	36	21	0	0	0	57
Other	1	0	100	0	0	0	0	100
Total	406	32	52	15	2	2	1	71

¹Includes Swift and Kandiyohi Counties.

²Includes Becker County.

³Includes Mahnomen County.

⁴Includes Redwood, Fairbault, Yellow Medicine, Lac Qui Parle, and Sibley Counties.

⁵Includes Grant, Stevens and Big Stone Counties.

⁶Includes Ottertail County.

⁷Other insecticides were Counter 20CR (6 uses), Thimet (3 uses), Asana (2 uses) and Dyfonate (1 use).

Table 2. Insecticide usage and evaluation of control by survey respondents in 2000.

Insecticide	Root Maggot Control					Other Insect Control				
	No. of appl.	Excel	Good	Fair	Poor	No. of appl.	Excel	Good	Fair	Poor
-----% of responses-----										
Counter 15G	278	63	34	3	1	159	54	38	4	4
Lorsban 15G	66	67	26	3	4	43	58	33	5	5
Lorsban 4E	14	50	29	21	0	14	21	71	7	0
Temik 15G	6	33	50	0	17	4	0	50	0	50
Other	7	83	0	17	0	9	44	44	11	0
Total	371	63	32	4	2	229	52	39	5	4