

**SURVEY OF INSECTICIDE USE IN SUGARBEET IN EASTERN
NORTH DAKOTA AND MINNESOTA - 2001**

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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, Counter 20G, Lorsban 15G and Temik 15G were primarily used as planting-time treatments, whereas Lorsban 4E and malathion were primarily applied postemergence. Counter 15G and Lorsban 15G were used on 51% and 14% of the acres, respectively, in 2001 while Counter 15G was used on 52% and Lorsban 15G on 13% of the acreage in 2000. 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, 2% in 2000 and 11% in 2001. The increased use of Lorsban 4E in 2001 was partly due to an unusual infestation of tarnished plant bug (lygus bug) especially in Polk and Grand Forks counties. Averaged over all insecticides and counties, 83% of the acreage was treated in 2001 compared to 71% in 2000, 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 91% evaluating control as good or excellent. Other insect control was evaluated as good or excellent by 84% of the respondents.

Table 1. Insecticide use by survey respondents in 2001.

County	Number of appl.	Acres not treated	Counter 15G	Counter 20CR	Lorsban 15G	Lorsban 4E	Other ⁷	Temik 15G	Malathion	Total acres treated
-----% of acres planted-----										
Cass	17	17	81	0	0	0	1	0	0	82
Chippewa ¹	0	100	0	0	0	0	0	0	0	0
Clay ²	34	8	51	0	39	1	0	0	3	94
Grand Forks	29	6	60	13	12	43	0	0	0	128
Kittson	22	15	75	0	4	0	0	0	1	80
Marshall	34	1	57	10	26	4	0	0	0	96
Norman ³	22	37	55	0	8	14	0	0	0	78
Pembina	35	0	71	17	13	9	0	0	3	128
Polk	104	7	81	0	12	34	2	0	1	129
Renville ⁴	4	98	0	0	0	2	0	0	0	2
Richland	8	71	15	7	7	0	0	0	0	29
Trail	21	0	77	0	24	9	0	0	0	109
Traverse ⁵	0	0	0	0	0	0	0	0	0	0
Walsh	41	6	64	<1	29	7	5	11	0	116
Wilkin ⁶	18	63	25	1	16	<1	0	0	0	43
Total	389	31	51	3	14	11	2	1	1	83

¹Includes Swift and Kandiyohi Counties.

²Includes Becker County.

³Includes Mahnomon 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 Thimet (2 uses) and Asana (3 uses).

Table 2. Insecticide usage and evaluation of control by survey respondents in 2001.

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	226	56	36	4	4	120	38	44	13	4
Counter 20CR	12	42	50	8	0	4	25	75	0	0
Lorsban 15G	60	55	35	8	2	22	41	46	14	0
Lorsban 4E	22	41	50	9	0	46	41	41	13	4
Temik 15G	3	67	0	0	33	1	100	0	0	0
Malathion	3	67	0	0	33	4	50	50	0	0
Other	4	50	50	0	0	4	0	100	0	0

Total	330	54	37	5	3	201	39	45	12	4
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