

Table 65 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Volunteer sunflower	47	18.3	39.0	1.3	2.8	0.4	8.8	37.1
Perennial sowthistle	37	16.3	43.7	1.2	3.2	0.4	9.2	31.5
Wild mustard	29	11.1	37.7	1.0	3.5	0.4	13.2	23.3
Canada thistle	25	11.0	43.1	0.7	2.9	0.4	6.0	21.2
Kochia	24	9.8	41.7	0.8	3.5	0.4	10.4	19.6
Wild buckwheat	12	7.8	66.7	0.7	6.2	1.6	12.6	13.5
Russian thistle	12	5.4	45.8	0.6	5.2	0.4	19.2	10.8
Quackgrass	16	3.9	25.0	0.2	1.5	0.2	4.8	9.7
Common purslane	10	4.3	44.0	0.4	4.3	0.8	13.2	8.6
Field pennycress	10	3.9	40.0	0.3	2.8	0.6	6.2	7.8
Ragweed	10	3.4	35.0	0.3	2.6	1.0	3.6	7.3
Prostrate pigweed	6	3.9	66.7	0.4	6.4	2.8	11.2	6.8
Barnyardgrass	4	3.4	87.5	0.3	7.6	5.0	10.2	5.4
Volunteer barley	4	1.3	32.5	0.2	4.9	4.8	5.0	3.0
Downy brome	4	1.2	30.0	0.2	5.1	1.2	9.0	3.0
Greenflower pepperweed	2	0.8	40.0	<0.1	2.2	2.2	2.2	1.5
Nightflowering catchfly	2	0.5	25.0	<0.1	1.0	1.0	1.0	1.2
Leafy spurge	2	0.4	20.0	<0.1	1.0	1.0	1.0	1.1

Table 66. Williams County weed infestations based on 33 surveyed fields, 1978.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	97	66.2	68.3	9.7	10.0	0.2	26.0	121.2
Redroot pigweed	61	12.1	20.0	0.8	1.3	0.2	7.4	34.2
Wild buckwheat	30	8.8	29.0	0.6	2.0	0.2	8.4	20.3
Wild oats	18	7.3	40.0	1.1	6.1	0.4	20.6	15.9
Field bindweed	12	1.2	10.0	0.1	0.6	0.2	1.6	5.4
Yellow foxtail	9	0.6	6.7	<0.1	0.5	0.2	1.0	3.7
Kochia	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.5
Prostrate pigweed	6	0.5	7.5	<0.1	0.8	0.2	1.4	2.6
Weed free	70	20.3	29.1	—	—	—	—	—

Table 67. Adams County weed infestations based on 15 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	73	39.3	53.6	9.4	12.9	2.8	37.0	85.8
Wild oats	60	37.7	62.8	9.7	16.1	7.8	35.0	80.3
Redroot pigweed	73	29.0	39.5	6.5	8.8	0.4	24.2	68.5
Field bindweed	60	29.7	49.4	6.4	10.7	4.0	25.8	64.7
Wild buckwheat	53	16.3	30.6	2.2	4.1	0.2	12.4	39.3
Volunteer sunflower	47	17.7	37.9	1.8	3.9	0.2	13.4	37.5
Kochia	27	10.3	38.7	1.7	6.3	1.8	15.2	23.2
Yellow foxtail	20	8.3	41.7	3.2	16.0	3.4	37.0	22.5
Russian thistle	27	6.0	22.5	0.5	1.8	0.4	4.4	16.0
Common lambsquarters	13	5.7	42.5	0.5	3.7	2.4	5.0	11.3
Wild rose	7	5.3	80.0	0.9	13.0	13.0	13.0	9.6
Wild barley	7	2.7	40.0	1.7	24.8	24.8	24.8	8.7
Common cocklebur	7	3.3	50.0	1.2	18.0	18.0	18.0	8.4
Wild mustard	7	1.7	25.0	0.3	4.8	4.8	4.8	4.6

Table 67 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Dwarf mallow	7	2.0	30.0	0.1	2.2	2.2	2.2	4.6
Prickly lettuce	7	1.3	20.0	0.3	4.0	4.0	4.0	4.2
Prostrate pigweed	7	0.7	10.0	<0.1	0.4	0.4	0.4	3.0
Field pennycress	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Weed free	13	2.7	20.0	—	—	—	—	—

Table 68. Barnes County weed infestations based on 48 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	77.4	79.0	32.5	33.2	0.4	199.0	185.8
Wild mustard	79	25.6	32.4	2.6	3.2	0.2	52.6	58.0
Yellow foxtail	44	19.0	43.3	4.5	10.2	0.2	57.6	44.0
Wild buckwheat	71	15.7	22.2	1.2	1.7	0.2	13.6	42.1
Redroot pigweed	73	13.0	17.9	0.9	1.3	0.2	7.8	39.5
Canada thistle	65	12.2	18.9	1.4	2.2	0.2	10.4	37.0
Wild oats	48	12.2	25.4	1.2	2.6	0.4	8.4	31.0
Common lambsquarters	58	9.7	16.6	0.6	1.1	0.2	9.2	30.6
Kochia	44	7.0	16.0	0.5	1.2	0.2	4.4	22.8
Prostrate pigweed	35	6.0	17.1	0.5	1.5	0.2	12.2	19.1
Russian thistle	33	4.9	14.7	0.4	1.1	0.2	5.6	16.9
Quackgrass	21	5.8	28.0	0.9	4.4	0.4	16.4	14.9
Shepherdspurse	25	5.3	21.2	0.3	1.2	0.2	2.8	14.4
Ragweed	29	3.9	13.2	0.3	0.9	0.2	4.4	14.2
Volunteer sunflower	15	6.9	47.1	0.8	5.7	1.2	18.2	13.7
Perennial sowthistle	25	3.4	13.7	0.3	1.2	0.2	7.0	12.5
Wild rose	27	2.9	10.8	0.2	0.7	0.2	2.2	12.4
Prostrate spurge	23	3.3	14.5	0.2	0.7	0.2	2.6	11.3
Fumitory	17	4.2	25.0	0.3	1.9	0.2	9.6	10.5
Field bindweed	21	2.9	14.0	0.2	1.0	0.2	3.8	10.4
Common purslane	13	2.0	15.8	0.2	1.4	0.2	4.2	6.6
Common milkweed	15	1.5	10.0	0.1	0.9	0.2	1.6	6.6
Dwarf mallow	6	0.9	15.0	<0.1	0.8	0.4	1.0	3.1
Greenflower pepperweed	4	1.5	35.0	0.1	1.8	1.4	2.2	3.0
Nightflowering catchfly	4	0.5	12.5	<0.1	0.5	0.2	0.8	2.0
Volunteer millet	2	0.5	25.0	<0.1	1.2	1.2	1.2	1.3
Smartweed	2	0.4	20.0	<0.1	1.6	1.6	1.6	1.2
Dock	2	0.3	15.0	<0.1	1.0	1.0	1.0	1.1
Wild barley	2	0.1	5.0	<0.1	1.6	1.6	1.6	0.9
Volunteer flax	2	0.2	10.0	<0.1	0.8	0.8	0.8	0.9
Common dandelion	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Flixweed	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Weed free	31	4.3	13.7	—	—	—	—	—

Table 69. Benson County weed infestations based on 37 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	97	86.2	88.6	71.4	73.4	1.0	309.0	285.3
Redroot pigweed	86	28.5	33.0	2.6	3.0	0.2	12.4	63.4
Wild mustard	78	27.4	35.0	3.3	4.2	0.2	47.0	61.3
Wild buckwheat	73	22.0	30.2	1.7	2.4	0.2	10.4	50.4
Russian thistle	54	11.1	20.5	1.3	2.3	0.2	19.6	32.0
Common lambsquarters	54	9.6	17.7	0.6	1.2	0.2	4.6	29.1
Prostrate pigweed	35	12.7	36.2	1.3	3.7	0.2	9.8	27.5
Kochia	35	8.5	24.2	2.2	6.3	0.2	62.0	25.4
Wild oats	35	8.6	24.6	0.9	2.5	0.2	9.4	22.4
Canada thistle	24	5.0	20.6	0.4	1.8	0.6	4.2	14.2
Common cocklebur	16	2.8	17.5	0.2	1.5	0.2	5.6	8.8
Wild rose	19	2.2	11.4	0.1	0.7	0.2	2.0	8.8
Prostrate spurge	14	3.4	25.0	0.2	1.7	0.4	5.2	8.4
Field bindweed	14	3.0	22.0	0.2	1.2	0.4	2.2	7.9
Perennial sowthistle	14	2.3	17.0	0.3	2.2	0.4	5.2	7.5
Field pennycress	14	2.2	16.0	0.1	0.8	0.4	1.6	6.9
Dwarf mallow	14	1.6	12.0	0.1	0.9	0.2	2.6	6.4
Common purslane	11	1.4	12.5	0.3	2.7	0.4	8.4	5.6
Ragweed	11	1.8	16.2	0.1	0.7	0.2	1.2	5.5
Quackgrass	5	0.7	12.5	<0.1	0.5	0.4	0.6	2.5
Flixweed	3	1.2	45.0	0.1	3.4	3.4	3.4	2.3
Volunteer sunflower	3	0.5	20.0	<0.1	1.6	1.6	1.6	1.5
Greenflower pepperweed	3	0.5	20.0	<0.1	0.8	0.8	0.8	1.5
Common milkweed	3	0.4	15.0	<0.1	0.8	0.8	0.8	1.4
Skeleton weed	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Marshelder	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Weed free	24	3.2	13.3	—	—	—	—	—

Table 70. Billings County weed infestations based on 10 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	80	37.0	46.2	15.2	19.0	0.2	72.0	99.2
Wild oats	50	32.0	64.0	8.1	16.2	0.8	26.4	67.6
Russian thistle	80	28.0	35.0	3.8	4.8	0.2	15.8	63.6
Wild buckwheat	70	19.0	27.1	2.3	3.2	0.2	16.0	47.6
Redroot pigweed	70	18.0	25.7	2.4	3.4	0.2	11.6	46.9
Common lambsquarters	70	17.5	25.0	2.1	2.9	0.2	15.6	45.6
Field pennycress	50	13.5	27.0	2.1	4.2	0.4	9.8	35.1
Wild mustard	50	13.0	26.0	0.8	1.5	0.6	2.8	31.4
Volunteer sunflower	40	4.5	11.2	0.2	0.5	0.2	1.0	18.3
Large crabgrass	20	7.0	35.0	1.5	7.6	1.2	14.0	17.2
Kochia	30	4.5	15.0	0.3	0.9	0.4	1.8	15.2
Common purslane	10	7.0	70.0	2.0	19.8	19.8	19.8	15.0
Prostrate spurge	30	2.0	6.7	0.1	0.3	0.2	0.4	12.2
Prostrate pigweed	20	1.5	7.5	0.1	0.4	0.2	0.6	8.4
Common dandelion	10	4.0	40.0	0.3	3.2	3.2	3.2	8.1
Downy brome	10	2.0	20.0	0.5	5.2	5.2	5.2	6.5
Gumweed	10	1.5	15.0	0.2	1.6	1.6	1.6	5.2
Leafy spurge	10	1.5	15.0	0.2	1.6	1.6	1.6	5.2
Flixweed	10	1.0	10.0	0.1	0.6	0.6	0.6	4.5
Prickly lettuce	10	1.0	10.0	<0.1	0.4	0.4	0.4	4.4
Field bindweed	10	0.5	5.0	0.1	0.6	0.6	0.6	4.0
Scurf pea	10	0.5	5.0	0.1	0.8	0.8	0.8	4.0
Hedge bindweed	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
White mustard	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Western salsify	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Nightflowering catchfly	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Waterpod	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Weed free	50	10.5	21.0	—	—	—	—	—

Table 71. Bottineau County weed infestations based on 45 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	86.8	88.7	89.4	91.4	2.0	396.0	328.0
Wild oats	84	38.2	45.3	4.4	5.2	0.4	27.6	76.6
Kochia	53	16.7	31.3	1.7	3.2	0.2	23.8	38.4
Wild buckwheat	49	15.6	31.8	1.9	3.8	0.2	36.6	36.2
Common lambsquarters	51	11.8	23.0	0.8	1.6	0.2	15.0	30.7
Redroot pigweed	42	10.4	24.7	0.7	1.7	0.2	8.2	26.2
Canada thistle	33	7.9	23.7	0.7	2.2	0.2	5.8	20.7
Yellow foxtail	16	4.4	28.6	2.9	18.9	0.2	82.0	16.5
Wild mustard	27	6.4	24.2	0.3	1.1	0.4	2.2	16.0
Quackgrass	16	3.2	20.7	1.6	10.6	0.6	42.8	12.3
Perennial sowthistle	16	3.1	20.0	0.5	3.2	0.4	12.8	9.5
Russian thistle	18	2.6	14.4	0.1	0.6	0.2	0.8	8.7
Field bindweed	4	3.8	85.0	0.6	14.6	14.4	14.8	6.8
Barnyardgrass	11	2.3	21.0	0.2	1.9	1.0	3.4	6.5
Common cocklebur	11	1.2	11.0	0.1	0.6	0.2	2.0	5.1
Prostrate spurge	9	0.6	6.3	<0.1	0.3	0.2	0.6	3.6
Wild rose	7	0.4	6.7	<0.1	0.3	0.2	0.4	2.7
Field pennycress	4	0.4	10.0	0.1	1.5	0.2	2.8	2.1
Volunteer sunflower	4	0.6	12.5	<0.1	0.5	0.2	0.8	2.1
Large crabgrass	4	0.3	7.5	<0.1	0.6	0.4	0.8	1.9
Smartweed	4	0.2	5.0	<0.1	0.7	0.4	1.0	1.8
Ragweed	4	0.2	5.0	<0.1	0.4	0.2	0.6	1.7
Greenflower pepperweed	2	0.7	30.0	0.1	6.2	6.2	6.2	1.7
Clover	2	0.7	30.0	<0.1	1.4	1.4	1.4	1.5
Common dandelion	2	0.6	25.0	<0.1	1.2	1.2	1.2	1.4
Prostrate pigweed	2	0.3	15.0	<0.1	0.6	0.6	0.6	1.1
Flixweed	2	0.2	10.0	<0.1	1.6	1.6	1.6	1.0
Marshelder	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.9
Dwarf mallow	2	0.1	5.0	<0.1	0.4	0.4	0.4	0.9
Volunteer wheat	2	0.1	5.0	<0.1	0.6	0.6	0.6	0.9
Weed free	22	5.8	26.0	—	—	—	—	—

Table 72. Bowman County weed infestations based on 15 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	80	46.3	57.9	55.5	69.4	0.2	355.8	202.6
Wild buckwheat	93	53.3	57.1	15.6	16.7	0.6	89.8	120.8
Redroot pigweed	60	20.3	33.9	15.6	26.0	0.2	189.8	76.7
Russian thistle	80	27.0	33.7	2.5	3.1	0.2	10.6	59.5
Common lambsquarters	67	16.3	24.5	1.7	2.5	0.2	15.6	42.4
Wild oats	53	9.3	17.5	4.1	7.7	0.2	30.4	36.7
Field bindweed	33	16.7	50.0	3.8	11.4	1.2	34.4	36.6
Kochia	53	12.0	22.5	1.0	1.9	0.2	7.4	32.2
Field pennycress	33	11.0	33.0	1.4	4.3	0.2	17.4	25.5
Prostrate pigweed	47	8.0	17.1	0.6	1.3	0.2	4.6	25.0
Flixweed	33	8.3	25.0	0.6	1.7	0.2	6.4	20.8
Volunteer sunflower	40	3.7	9.2	0.2	0.4	0.2	0.8	17.4
Downy brome	33	2.7	8.0	0.3	0.8	0.2	2.4	14.4
Knotweeds	27	3.3	12.5	0.2	0.7	0.2	1.4	12.7
Clover	27	2.7	10.0	0.1	0.5	0.4	0.6	11.9
False chamomile	20	3.7	18.3	0.2	0.9	0.6	1.2	10.8
Common dandelion	20	2.7	13.3	0.2	0.9	0.4	1.4	9.8
Wild mustard	20	1.3	6.7	0.2	1.2	0.2	2.6	8.6
Prostrate spurge	13	3.0	22.5	0.3	2.3	0.4	4.2	8.2
Wild vetch	20	1.0	5.0	<0.1	0.2	0.2	0.2	7.8
Large crabgrass	13	2.0	15.0	0.1	1.1	0.6	1.6	6.8
Greenflower pepperweed	7	3.3	50.0	0.5	7.8	7.8	7.8	6.8

Table 72 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Volunteer alfalfa	7	3.7	55.0	0.2	3.4	3.4	3.4	6.4
Dwarf mallow	13	1.3	10.0	0.1	0.7	0.6	0.8	6.0
Wild barley	13	1.3	10.0	0.1	0.4	0.4	0.4	5.9
Yellow foxtail	13	0.7	5.0	<0.1	0.2	0.2	0.2	5.2
Scurf pea	13	0.7	5.0	<0.1	0.3	0.2	0.4	5.2
Prickly lettuce	13	0.7	5.0	<0.1	0.2	0.2	0.2	5.2
Quackgrass	7	1.0	15.0	0.3	5.2	5.2	5.2	4.0
Skeleton weed	7	1.0	15.0	0.1	1.2	1.2	1.2	3.4
Poverty weed	7	0.7	10.0	<0.1	0.4	0.4	0.4	3.0
Common cocklebur	7	0.7	10.0	<0.1	0.4	0.4	0.4	3.0
Roundleaf mallow	7	0.3	5.0	<0.1	0.4	0.4	0.4	2.6
Western salsify	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Flodmans thistle	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Bromegrass	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Perennial sowthistle	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Volunteer wheat	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Weed free	27	4.0	15.0	—	—	—	—	—

Table 73. Burke County weed infestations based on 16 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	85.0	85.0	27.8	27.8	3.6	52.6	183.2
Wild oats	100	61.9	61.9	11.1	11.1	2.2	29.2	121.1
Redroot pigweed	69	25.0	36.4	1.7	2.4	0.2	4.2	51.8
Wild mustard	75	18.1	24.2	1.3	1.8	0.2	4.8	46.2
Perennial sowthistle	25	10.9	43.8	0.8	3.1	2.8	4.2	21.1
Field bindweed	19	7.2	38.3	0.7	3.9	2.4	5.0	15.2
Canada thistle	19	3.1	16.7	0.2	0.9	0.2	1.6	9.8
Common lambsquarters	13	4.4	35.0	0.2	1.9	1.2	2.6	9.1
Field pennycress	19	2.2	11.7	0.1	0.5	0.2	1.2	8.7
Wild buckwheat	13	1.2	10.0	0.1	0.7	0.2	1.2	5.6
Wild barley	13	0.6	5.0	0.1	0.6	0.6	0.6	5.0
Kochia	6	1.9	30.0	0.1	1.4	1.4	1.4	4.2
Quackgrass	6	1.2	20.0	0.1	1.0	1.0	1.0	3.5
Barnyardgrass	6	0.9	15.0	0.1	1.0	1.0	1.0	3.2
Prickly lettuce	6	0.6	10.0	0.1	1.0	1.0	1.0	2.9
Common cocklebur	6	0.3	5.0	0.1	1.0	1.0	1.0	2.5
Weed free	6	0.9	15.0	—	—	—	—	—

Table 74. Burleigh County weed infestations based on 26 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	96	70.2	73.0	15.2	15.8	1.6	38.2	137.6
Wild oats	73	44.8	61.3	3.3	4.5	1.8	15.0	76.9
Common lambsquarters	65	12.1	18.5	1.1	1.6	0.2	11.4	36.4
Wild mustard	46	17.9	38.7	1.3	2.8	0.2	7.0	36.3
Yellow foxtail	46	15.0	32.5	1.4	3.0	0.4	11.2	33.6
Field bindweed	46	14.8	32.1	0.8	1.8	0.6	4.4	32.1
Redroot pigweed	50	11.0	21.9	0.5	1.0	0.2	3.0	28.8
Wild buckwheat	46	7.7	16.7	0.5	1.1	0.2	4.8	24.3
Kochia	38	8.1	21.0	0.4	1.2	0.2	2.4	21.9
Volunteer sunflower	38	6.3	16.5	0.3	0.7	0.2	1.4	19.8
Russian thistle	23	4.2	18.3	0.2	0.7	0.2	1.4	12.3

Table 74 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Wild rose	12	1.7	15.0	0.1	0.9	0.4	1.8	5.8
Common cocklebur	8	1.3	17.5	0.2	2.3	0.4	4.2	4.3
Canada thistle	8	1.2	15.0	0.1	1.6	0.4	2.8	4.0
Common purslane	8	0.6	7.5	<0.1	0.4	0.2	0.6	3.2
Roundleaf mallow	4	1.3	35.0	0.1	3.0	3.0	3.0	2.9
Smartweed	4	1.2	30.0	0.1	2.8	2.8	2.8	2.7
Dwarf mallow	4	0.8	20.0	0.1	3.6	3.6	3.6	2.4
Ragweed	4	0.6	15.0	0.1	1.4	1.4	1.4	2.0
Field pennycress	4	0.6	15.0	<0.1	0.8	0.8	0.8	1.9
Quackgrass	4	0.4	10.0	<0.1	0.6	0.6	0.6	1.7
Weed free	19	3.5	18.0	—	—	—	—	—

Table 75. Cass County weed infestations based on 70 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	79	41.8	53.2	17.2	21.9	0.2	133.0	108.0
Yellow foxtail	77	33.7	43.7	17.3	22.4	0.2	169.0	99.8
Wild oats	59	16.1	27.4	2.6	4.4	0.2	32.8	41.6
Wild buckwheat	57	13.6	23.9	1.7	2.9	0.2	25.0	36.6
Wild mustard	46	10.9	23.7	0.9	1.9	0.2	11.6	28.2
Common lambsquarters	27	4.7	17.4	0.4	1.6	0.2	8.2	14.8
Redroot pigweed	29	3.9	13.5	0.6	2.2	0.2	33.2	14.8
Prostrate spurge	27	4.8	17.6	0.3	1.1	0.2	4.8	14.5
Volunteer sunflower	21	5.1	24.0	0.7	3.4	0.2	24.6	14.0
Canada thistle	23	3.4	15.0	0.4	1.9	0.2	9.4	12.1
Quackgrass	13	2.9	22.2	0.5	4.0	0.2	12.0	8.3
Ragweed	13	2.4	18.3	0.3	2.2	0.2	10.0	7.3
Kochia	10	1.4	14.3	0.1	1.4	0.2	7.4	5.1
Field bindweed	11	0.9	7.5	0.1	0.5	0.2	1.2	4.8
Common milkweed	9	0.8	9.2	0.1	0.7	0.2	2.2	3.8
Common purslane	6	0.6	11.2	0.1	2.1	0.2	7.8	2.8
Perennial sowthistle	6	0.5	8.7	0.1	1.3	0.2	4.0	2.6
Volunteer soybean	4	0.9	20.0	0.1	1.3	0.2	2.4	2.4
Russian thistle	6	0.4	7.5	<0.1	0.3	0.2	0.6	2.4
Wild rose	6	0.4	6.3	<0.1	0.3	0.2	0.6	2.3
Flixweed	1	1.1	80.0	0.2	10.8	10.8	10.8	2.0
Smartweed	4	0.4	8.3	<0.1	0.4	0.2	0.6	1.8
Field pennycress	4	0.3	6.7	<0.1	0.4	0.2	0.6	1.8
Prickly lettuce	1	0.4	25.0	0.1	6.6	6.6	6.6	1.1
Clover	1	0.3	20.0	<0.1	0.8	0.8	0.8	0.8
Leafy spurge	1	0.1	10.0	<0.1	2.0	2.0	2.0	0.7
Volunteer barley	1	0.1	5.0	<0.1	0.8	0.8	0.8	0.6
Common cocklebur	1	0.1	5.0	<0.2	0.2	0.2	0.2	0.6
Nightflowering catchfly	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.6
Wild vetch	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.6
Weed free	67	23.5	35.0	—	—	—	—	—

Table 76. Cavalier County weed infestations based on 47 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	72.4	74.0	22.0	22.5	1.0	96.8	156.5
Wild oats	85	27.3	32.1	2.8	3.3	0.2	13.6	62.3
Wild buckwheat	81	26.0	32.1	2.0	2.5	0.2	9.0	57.6

Table 76 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Nightflowering catchfly	49	16.8	34.3	2.5	5.1	0.2	41.0	39.0
Wild mustard	68	12.3	18.1	0.7	1.1	0.2	4.0	36.8
Redroot pigweed	64	9.9	15.5	0.6	1.0	0.2	5.0	32.6
Canada thistle	32	3.5	11.0	0.2	0.7	0.2	3.2	14.7
Common lambsquarters	28	4.7	16.9	0.3	1.2	0.2	3.8	14.6
Russian thistle	15	3.3	22.1	0.3	2.0	0.2	10.6	9.0
Prostrate pigweed	19	1.4	7.2	0.1	0.5	0.2	1.0	8.0
Field pennycress	15	2.2	15.0	0.2	1.1	0.2	4.0	7.6
Perennial sowthistle	13	1.3	10.0	0.1	0.7	0.2	1.8	5.7
Dwarf mallow	11	1.6	15.0	0.1	1.0	0.2	3.8	5.4
Kochia	11	1.4	13.0	0.1	1.2	0.2	2.4	5.2
Dock	6	1.6	25.0	0.1	1.8	0.4	3.6	4.0
Yellow foxtail	6	0.5	8.3	<0.1	0.5	0.2	0.8	2.7
Ragweed	4	0.4	10.0	<0.1	0.5	0.2	0.8	1.9
Common cocklebur	4	0.3	7.5	<0.1	0.5	0.2	0.8	1.8
Ball mustard	2	0.3	15.0	<0.1	1.2	1.2	1.2	1.1
Wild rose	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Prostrate spurge	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Weed free	55	7.2	13.1	—	—	—	—	—

Table 77. Dickey County weed infestations based on 29 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	97	90.0	93.2	180.7	187.2	1.8	396.0	543.9
Yellow foxtail	97	47.8	49.5	43.6	45.1	0.6	301.0	181.6
Redroot pigweed	76	30.7	40.5	10.0	13.2	0.2	77.0	79.3
Common lambsquarters	72	25.2	34.8	4.6	6.4	0.2	48.8	60.0
Wild buckwheat	79	24.1	30.4	2.9	3.6	0.2	38.4	57.3
Wild mustard	69	22.2	32.2	1.8	2.7	0.2	9.2	49.5
Wild oats	31	13.1	42.2	3.6	11.8	0.2	68.4	32.0
Kochia	38	12.1	31.8	1.9	5.1	0.2	18.4	29.2
Field bindweed	28	7.8	28.1	2.0	7.1	0.2	17.6	21.5
Russian thistle	28	8.3	30.0	0.9	3.1	1.6	8.0	19.5
Canada thistle	21	6.9	33.3	1.2	6.0	1.8	10.4	16.7
Volunteer sunflower	21	3.1	15.0	0.3	1.5	0.2	6.0	10.7
Volunteer millet	10	4.0	38.3	0.3	2.9	1.6	4.0	8.1
Common cocklebur	10	3.1	30.0	0.5	4.4	0.6	9.4	7.6
Prostrate pigweed	14	2.2	16.2	0.1	1.0	0.4	2.4	7.2
Ragweed	17	1.0	6.0	<0.1	0.2	0.2	0.4	6.9
Wild rose	14	1.6	11.2	0.3	2.1	1.2	3.8	6.8
Yellow woodsorrel	14	1.6	11.2	0.1	0.6	0.4	1.0	6.4
Quackgrass	7	2.1	30.0	0.3	4.0	0.8	7.2	5.0
Prostrate spurge	10	1.2	11.7	0.1	0.7	0.4	0.8	4.8
Common purslane	7	0.9	12.5	0.1	0.8	0.4	1.2	3.3
Volunteer alfalfa	3	1.7	50.0	0.2	4.4	4.4	4.4	3.2
Field pennycress	7	0.7	10.0	<0.1	0.5	0.4	0.6	3.1
Volunteer rye	3	0.7	20.0	<0.1	1.0	1.0	1.0	1.9
Bromegrass	3	0.5	15.0	<0.1	1.2	1.2	1.2	1.8
Volunteer corn	3	0.2	5.0	<0.1	1.2	1.2	1.2	1.4
Flixweed	3	0.2	5.0	<0.1	1.2	1.2	1.2	1.4
Dock	3	0.2	5.0	<0.1	0.6	0.6	0.6	1.4
Weed free	24	3.3	13.6	—	—	—	—	—

Table 78. Divide County weed infestations based on 22 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	95	85.5	89.5	44.5	46.6	2.2	117.4	221.0
Wild oats	68	15.9	23.3	2.8	4.1	0.2	28.0	45.1
Redroot pigweed	68	14.3	21.0	3.0	4.3	0.2	51.8	44.0
Wild buckwheat	50	18.4	36.8	1.2	2.4	0.2	6.8	37.9
Common lambsquarters	32	5.7	17.9	0.8	2.4	0.2	15.4	18.1
Kochia	23	4.5	20.0	0.3	1.2	0.2	4.0	12.8
Field pennycress	18	2.0	11.2	0.1	0.8	0.4	1.6	8.4
Russian thistle	18	2.0	11.2	0.1	0.6	0.2	1.2	8.4
Flixweed	18	1.1	6.3	0.1	0.5	0.2	1.2	7.4
Dwarf mallow	9	3.4	37.5	0.3	3.5	0.2	6.8	7.2
Wild mustard	18	0.9	5.0	<0.1	0.2	0.2	0.2	7.1
Nightflowering catchfly	14	1.6	11.7	0.1	0.7	0.2	1.0	6.3
Perennial sowthistle	9	0.9	10.0	0.1	0.7	0.6	0.8	4.1
Canada thistle	9	0.5	5.0	0.1	0.7	0.2	1.2	3.6
Prostrate pigweed	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.5
Dock	9	0.5	5.0	<0.1	0.3	0.2	0.4	3.5
Greenflower pepperweed	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.5
Wild rose	5	1.1	25.0	0.1	2.0	2.0	2.0	2.9
Clover	5	0.7	15.0	<0.1	0.6	0.6	0.6	2.3
Field bindweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Ragweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Common dandelion	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Wild barley	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Volunteer sunflower	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Wild vetch	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	36	8.4	23.1	—	—	—	—	—

Table 79. Dunn County weed infestations based on 16 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	88	66.6	76.1	21.3	24.3	5.6	66.2	145.3
Wild oats	81	55.0	67.7	10.2	12.6	4.4	19.0	105.9
Field bindweed	69	30.9	45.0	6.4	9.4	1.8	26.2	68.9
Redroot pigweed	69	30.3	44.1	4.6	6.7	1.4	28.8	64.0
Wild buckwheat	63	28.7	46.0	4.6	7.3	2.8	13.6	60.2
Common lambsquarters	56	23.1	41.1	1.9	3.3	2.2	4.8	46.2
Russian thistle	63	14.7	23.5	1.1	1.8	0.4	4.4	38.2
Common cocklebur	50	15.6	31.3	1.1	2.1	0.4	4.2	34.8
Yellow foxtail	25	10.9	43.8	2.4	9.7	3.8	18.8	24.9
Volunteer sunflower	38	9.4	25.0	0.6	1.6	0.4	2.4	23.3
Wild mustard	25	5.6	22.5	1.2	4.8	0.8	11.4	16.7
Prickly lettuce	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.4
Weed free	6	0.6	10.0	—	—	—	—	—

Table 80. Eddy County weed infestations based on 14 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	81.1	81.1	160.2	160.2	0.2	356.4	488.3
Yellow foxtail	64	26.8	41.7	28.8	44.7	0.4	258.8	115.3
Common lambsquarters	64	18.2	28.3	1.1	1.7	0.2	4.6	42.2
Wild mustard	50	20.7	41.4	2.0	4.0	0.4	10.8	42.0
Prostrate spurge	43	18.2	42.5	4.1	9.5	0.2	40.6	42.0
Wild buckwheat	71	15.7	22.0	0.8	1.1	0.2	3.0	41.3
Wild oats	64	15.7	24.4	1.8	2.7	0.2	8.6	41.2



Table 80 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Redroot pigweed	50	14.3	28.6	1.0	1.9	0.6	4.0	33.2
Prostrate pigweed	43	11.4	26.7	1.3	3.0	0.4	13.0	28.7
Russian thistle	29	8.9	31.3	0.6	2.0	0.6	3.2	19.8
Common cocklebur	29	7.5	26.2	0.8	2.7	0.2	9.8	18.8
Common purslane	14	6.4	45.0	1.4	9.8	0.2	19.4	14.5
Canada thistle	21	2.5	11.7	0.5	2.2	0.8	4.4	10.7
Yellow woodsorrel	21	1.8	8.3	0.1	0.4	0.2	0.8	9.1
Western snowberry	7	3.9	55.0	0.5	6.4	6.4	6.4	7.4
Common milkweed	14	0.7	5.0	<0.1	0.3	0.2	0.4	5.6
Volunteer wheat	7	1.8	25.0	0.1	1.8	1.8	1.8	4.5
Volunteer flax	7	1.1	15.0	0.1	2.0	2.0	2.0	3.8
Kochia	7	1.1	15.0	<0.1	0.6	0.6	0.6	3.6
Field pennycress	7	0.7	10.0	<0.1	0.4	0.4	0.4	3.2
Roundleaf mallow	7	0.4	5.0	<0.1	0.2	0.2	0.2	2.8
Quackgrass	7	0.4	5.0	<0.1	0.6	0.6	0.6	2.8
Perennial sowthistle	7	0.4	5.0	<0.1	0.6	0.6	0.6	2.8
Flixweed	7	0.4	5.0	<0.1	0.4	0.4	0.4	2.8
Dwarf mallow	7	0.4	5.0	<0.1	0.2	0.2	0.2	2.8
Greenflower pepperweed	7	0.4	5.0	<0.1	0.4	0.4	0.4	2.8
Weed free	21	9.3	43.3	—	—	—	—	—

Table 81. Emmons County weed infestations based on 32 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Field bindweed	84	43.0	50.9	2.9	3.4	0.4	18.6	77.8
Green foxtail	84	39.2	46.5	4.0	4.7	0.4	14.6	76.6
Wild oats	78	40.6	52.0	2.5	3.2	0.6	7.8	72.4
Wild mustard	69	30.2	43.9	1.7	2.4	0.2	6.0	57.0
Russian thistle	59	13.6	22.9	0.6	1.1	0.2	3.4	34.9
Yellow foxtail	59	11.7	19.7	1.3	2.1	0.2	17.0	34.4
Kochia	66	7.7	11.7	0.3	0.5	0.2	1.4	30.3
Common lambsquarters	63	7.3	11.7	0.3	0.5	0.2	1.8	29.0
Wild rose	25	3.7	15.0	0.2	0.7	0.2	2.0	12.5
Marshelder	22	2.5	11.4	0.1	0.6	0.2	1.8	10.1
Wild buckwheat	19	2.8	15.0	0.1	0.7	0.2	1.6	9.4
Redroot pigweed	16	2.7	17.0	0.1	0.7	0.2	1.2	8.1
Volunteer sunflower	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.6
Canada thistle	3	0.8	25.0	<0.1	1.0	1.0	1.0	1.9
Prickly lettuce	3	0.5	15.0	<0.1	0.6	0.6	0.6	1.6
Common cocklebur	3	0.5	15.0	<0.1	0.6	0.6	0.6	1.6
Field pennycress	3	0.5	15.0	<0.1	0.6	0.6	0.6	1.6
Flixweed	3	0.5	15.0	<0.1	0.8	0.8	0.8	1.6
Quackgrass	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Perennial sowthistle	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Leafy spurge	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Greenflower pepperweed	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Weed free	19	2.2	11.7	—	—	—	—	—

Table 82. Foster County weed infestations based on 75 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Yellow foxtail	96	77.4	80.6	69.1	72.0	0.4	352.6	270.6
Wild mustard	57	19.3	33.7	2.1	3.6	0.2	19.0	43.3
Redroot pigweed	52	16.2	31.2	3.1	6.0	0.2	83.0	40.8

Table 82 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	39	16.5	42.8	3.9	10.1	0.4	71.6	38.5
Wild buckwheat	51	11.9	23.4	1.1	2.3	0.2	21.4	31.4
Common lambsquarters	43	11.1	26.1	1.2	2.8	0.2	20.4	28.2
Kochia	31	6.8	22.2	3.8	12.3	0.2	201.6	25.9
Wild oats	35	11.0	31.7	1.4	3.9	0.2	15.8	25.7
Russian thistle	29	8.3	28.4	1.3	4.5	0.2	25.4	21.2
Canada thistle	28	6.1	21.7	1.0	3.5	0.2	15.6	17.7
Prostrate pigweed	9	3.8	40.7	0.7	7.1	0.6	21.8	8.5
Perennial sowthistle	15	2.6	17.7	0.2	1.4	0.2	5.2	8.0
Field bindweed	9	2.7	28.6	0.4	4.8	0.8	23.4	6.8
Field pennycress	13	1.6	12.0	0.1	0.9	0.2	2.2	6.3
Flixweed	9	1.0	10.7	0.2	1.9	0.2	10.2	4.5
Ragweed	8	1.0	12.5	0.1	0.9	0.2	1.8	3.8
Wild rose	8	0.7	9.2	<0.1	0.6	0.2	1.0	3.5
Smartweed	5	0.3	6.3	<0.1	0.3	0.2	0.4	2.1
Quackgrass	4	0.3	8.3	0.1	2.9	0.6	6.0	1.9
Dwarf mallow	4	0.5	11.7	<0.1	1.2	0.2	2.6	1.9
Wild vetch	3	0.8	30.0	0.1	3.3	2.6	4.0	1.9
Leafy spurge	1	0.9	65.0	0.1	9.2	9.2	9.2	1.6
Common cocklebur	3	0.3	12.5	<0.1	1.2	0.2	2.2	1.3
Volunteer sunflower	1	0.7	50.0	0.1	4.6	4.6	4.6	1.3
Common milkweed	1	0.3	25.0	<0.1	1.6	1.6	1.6	0.8
Dock	1	0.1	10.0	<0.1	1.6	1.6	1.6	0.6
Skeleton weed	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.5
Marshelder	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.5
Horsetail	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.5
Weed free	39	9.9	25.5	—	—	—	—	—

Table 83. Golden Valley County weed infestations based on 10 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	90	46.5	51.7	31.0	34.5	0.2	121.8	148.9
Russian thistle	60	34.5	57.5	6.9	11.5	0.2	25.8	70.6
Wild oats	60	24.0	40.0	5.5	9.1	0.6	17.2	56.8
Redroot pigweed	80	21.5	26.9	2.4	3.0	0.2	10.6	53.8
Volunteer sunflower	40	12.5	31.3	1.9	4.8	0.2	17.0	30.3
Wild buckwheat	40	10.5	26.2	0.8	1.9	0.4	4.2	25.7
Prostrate pigweed	40	8.0	20.0	0.9	2.3	0.2	7.4	23.4
Wild mustard	20	4.0	20.0	0.2	1.2	0.8	1.6	11.2
Clover	20	1.5	7.5	0.2	1.0	0.2	1.8	8.6
Common lambsquarters	10	1.5	15.0	0.1	1.0	1.0	1.0	5.1
Nightflowering catchfly	10	1.5	15.0	0.1	0.8	0.8	0.8	5.0
Field bindweed	10	0.5	5.0	0.1	0.6	0.6	0.6	4.0
Wild rose	10	0.5	5.0	0.1	0.8	0.8	0.8	4.0
Common dandelion	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Kochia	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Downy brome	10	0.5	5.0	<0.1	0.4	0.4	0.4	3.9
Prostrate spurge	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Weed free	60	18.0	30.0	—	—	—	—	—

Table 84. Grand Forks County weed infestations based on 45 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	99.1	99.1	81.3	81.3	2.6	309.8	322.1
Wild oats	60	39.8	66.3	4.3	7.2	0.6	36.4	69.8
Wild buckwheat	69	37.8	54.8	2.9	4.2	0.2	12.4	67.5
Redroot pigweed	71	32.9	46.2	3.5	4.9	0.4	28.0	64.7
Wild mustard	56	25.2	45.4	2.1	3.7	0.2	16.4	48.6
Yellow foxtail	22	12.2	55.0	3.3	14.9	0.6	51.2	27.3
Canada thistle	33	9.6	28.7	1.0	2.9	0.2	10.4	23.0
Kochia	24	11.0	45.0	1.1	4.5	0.2	20.2	21.7
Volunteer sunflower	24	9.3	38.2	1.1	4.7	0.2	21.8	20.1
Common lambsquarters	20	6.4	32.2	0.5	2.4	0.2	6.8	14.2
Russian thistle	18	5.7	31.9	0.5	2.8	0.2	8.2	12.8
Nightflowering catchfly	9	4.9	55.0	0.6	6.3	1.2	14.2	9.2
Wild rose	9	1.6	17.5	0.1	1.3	0.2	3.2	4.8
Perennial sowthistle	4	0.7	15.0	0.1	1.5	0.6	2.4	2.3
Field pennycress	2	1.2	55.0	0.1	5.4	5.4	5.4	2.2
Common milkweed	4	0.3	7.5	<0.1	0.4	0.4	0.4	1.9
Barnyardgrass	2	0.9	40.0	0.1	3.8	3.8	3.8	1.8
Hedge bindweed	2	0.8	35.0	0.1	2.4	2.4	2.4	1.6
Ragweed	2	0.4	20.0	<0.1	1.0	1.0	1.0	1.2
Leafy spurge	2	0.4	20.0	<0.1	0.8	0.8	0.8	1.2
Weed free	11	2.4	22.0	—	—	—	—	—

Table 85. Grant County weed infestations based on 19 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	74	43.4	58.9	14.7	19.9	5.2	56.0	102.2
Redroot pigweed	63	32.1	50.8	11.1	17.6	1.2	88.2	79.0
Russian thistle	37	22.4	60.7	9.0	24.5	0.2	68.0	55.7
Wild buckwheat	63	24.2	38.3	3.0	4.8	0.6	9.4	52.3
Yellow foxtail	21	12.9	61.2	13.0	61.8	1.8	185.6	50.3
Wild oats	42	21.8	51.9	4.1	9.6	4.4	13.8	45.4
Common cocklebur	32	16.3	51.7	3.5	11.1	2.4	27.2	35.0
Quackgrass	16	12.4	78.3	6.9	43.9	7.0	98.2	33.8
Field bindweed	32	14.7	46.7	3.0	9.5	1.4	23.8	32.3
Common lambsquarters	32	16.8	53.3	2.1	6.7	2.6	16.0	32.3
Marshelder	26	15.0	57.0	2.0	7.7	0.2	15.2	28.5
Volunteer sunflower	37	8.2	22.1	0.8	2.3	0.2	10.4	22.4
Wild rose	26	8.7	33.0	0.6	2.2	0.2	6.2	18.8
Kochia	26	5.8	22.0	0.8	3.0	0.2	7.8	16.4
Wild mustard	16	2.1	13.3	0.4	2.3	0.4	4.4	8.2
Leafy spurge	11	2.6	25.0	0.4	4.1	3.0	5.2	7.1
Wild barley	5	1.1	20.0	0.8	15.6	15.6	15.6	4.7
Volunteer corn	5	1.8	35.0	0.3	5.0	5.0	5.0	4.2
Prostrate pigweed	5	0.8	15.0	0.1	1.0	1.0	1.0	2.7
Field pennycress	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	5	0.5	10.0	—	—	—	—	—

Table 86. Griggs County weed infestations based on 18 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	79.2	79.2	32.5	32.5	2.8	128.2	188.4
Wild buckwheat	94	32.2	34.1	2.5	2.6	0.4	15.4	69.4
Wild mustard	72	31.7	43.8	2.1	2.8	0.2	7.6	60.5

Table 86 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Wild oats	61	21.9	35.9	2.5	4.2	0.8	23.0	48.3
Redroot pigweed	61	12.2	20.0	1.3	2.1	0.2	14.0	35.6
Yellow foxtail	44	14.7	33.1	2.4	5.3	0.4	16.0	35.1
Russian thistle	50	8.3	16.7	0.4	0.9	0.2	2.8	26.0
Shepherdspurse	50	7.5	15.0	0.6	1.2	0.2	8.2	25.6
Common lambsquarters	56	6.1	11.0	0.3	0.5	0.2	1.0	25.2
Canada thistle	56	4.7	8.5	0.4	0.7	0.2	3.6	24.1
Prostrate pigweed	44	6.4	14.4	0.3	0.8	0.2	3.2	22.0
Common purslane	28	6.7	24.0	0.7	2.4	0.2	9.0	17.5
Wild rose	28	3.9	14.0	0.3	1.2	0.2	2.6	13.9
Fumitory	17	5.0	30.0	0.6	3.8	0.4	9.4	12.0
Nightflowering catchfly	17	2.8	16.7	0.2	1.0	0.2	2.6	8.7
Perennial sowthistle	22	1.1	5.0	<0.1	0.2	0.2	0.2	8.6
Dwarf mallow	17	2.2	13.3	0.1	0.7	0.2	1.2	8.0
Prostrate spurge	11	1.4	12.5	0.1	0.8	0.2	1.4	5.3
Horsetail	11	0.8	7.5	<0.1	0.4	0.2	0.6	4.6
Kochia	6	0.6	10.0	<0.1	0.4	0.4	0.4	2.5
Weed free	50	9.2	18.3	—	—	—	—	—

Table 87. Hettinger County weed infestations based on 20 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Wild oats	65	41.0	63.1	22.4	34.5	3.6	289.0	114.9
Green foxtail	90	47.7	53.1	10.6	11.8	4.2	27.8	102.6
Redroot pigweed	60	19.7	32.9	2.8	4.6	0.2	22.2	46.2
Field bindweed	40	15.5	38.7	2.9	7.3	0.6	17.4	35.6
Volunteer sunflower	45	9.7	21.7	0.7	1.6	0.2	4.0	26.4
Wild buckwheat	25	5.5	22.0	0.6	2.4	0.2	8.4	15.3
Russian thistle	20	6.3	31.3	1.0	5.0	0.2	11.2	15.3
Yellow foxtail	20	6.0	30.0	1.0	4.8	2.0	7.4	14.9
Wild barley	15	3.0	20.0	1.5	9.9	1.0	27.4	11.5
Kochia	15	3.5	23.3	0.3	2.3	0.4	5.8	9.3
Wild mustard	15	2.7	18.3	0.4	2.9	0.8	7.0	8.8
Common lambsquarters	15	1.0	6.7	0.1	0.5	0.2	1.0	6.2
Leafy spurge	5	1.7	35.0	0.2	4.2	4.2	4.2	3.9
Dock	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Common cocklebur	5	1.2	25.0	0.1	1.8	1.8	1.8	3.1
Greenflower pepperweed	5	0.5	10.0	0.1	1.6	1.6	1.6	2.4
Wild rose	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.2
Prickly lettuce	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Weed free	40	6.5	16.2	—	—	—	—	—

Table 88. Kidder County weed infestations based on 19 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	98.9	98.9	137.8	137.8	20.0	357.0	453.9
Wild buckwheat	100	45.0	45.0	5.6	5.6	0.6	24.4	91.5
Wild mustard	79	36.1	45.7	5.8	7.3	0.2	23.0	75.9
Russian thistle	74	32.6	44.3	7.3	9.8	0.2	32.0	74.1
Redroot pigweed	58	22.1	38.2	4.3	7.3	0.2	35.4	51.3
Common lambsquarters	63	21.6	34.2	3.2	5.1	0.2	18.6	50.2
Field bindweed	58	18.9	32.7	3.0	5.2	1.8	12.2	45.2
Quackgrass	32	15.0	47.5	6.1	19.3	2.6	85.2	39.8
Volunteer sunflower	37	14.2	38.6	4.5	12.2	0.2	48.2	37.0

Table 88 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Wild oats	37	17.1	46.4	2.3	6.3	2.6	12.4	34.8
Kochia	53	9.2	17.5	1.0	2.0	0.4	8.8	29.2
Field pennycress	37	9.2	25.0	0.9	2.3	0.2	5.8	23.5
Yellow foxtail	16	10.0	63.3	1.8	11.7	6.6	16.4	19.6
Canada thistle	21	5.0	23.7	0.8	3.8	3.2	4.4	13.9
Prostrate pigweed	21	2.4	11.2	0.3	1.6	0.6	3.6	10.2
Marshelder	16	2.9	18.3	0.4	2.5	0.6	5.6	9.1
Greenflower pepperweed	21	1.8	8.7	0.1	0.4	0.2	0.8	9.1
Perennial sowthistle	16	2.6	16.7	0.2	1.3	0.8	2.4	8.4
Prostrate spurge	16	1.1	6.7	<0.1	0.3	0.2	0.4	6.4
Skeleton weed	11	1.8	17.5	0.1	0.9	0.8	1.0	5.6
Flixweed	11	1.3	12.5	0.1	0.8	0.4	1.2	5.0
Wild four-o'clock	5	0.8	15.0	0.1	1.2	1.2	1.2	2.7
Wild rose	5	0.8	15.0	<0.1	0.8	0.8	0.8	2.6
Smartweed	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Dwarf mallow	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	5	1.1	20.0	—	—	—	—	—

Table 89. Lamoure County weed infestations based on 32 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	88.1	88.1	158.2	158.2	2.6	396.0	490.7
Yellow foxtail	91	50.2	55.3	27.0	29.8	0.2	281.8	143.3
Wild buckwheat	81	39.1	48.1	5.2	6.5	0.2	39.0	78.4
Redroot pigweed	66	26.1	39.8	10.6	16.2	0.2	128.8	72.7
Wild oats	53	19.7	37.1	7.7	14.5	0.2	137.4	55.4
Common lambsquarters	66	14.4	21.9	4.3	6.6	0.2	104.6	46.3
Wild mustard	69	15.2	22.0	1.4	2.0	0.2	13.8	41.3
Prostrate pigweed	38	6.9	18.3	0.8	2.1	0.2	6.4	21.3
Kochia	38	5.5	14.6	0.4	1.2	0.2	4.0	19.0
Yellow woodsorrel	38	5.8	15.4	0.3	0.8	0.2	1.8	19.0
Quackgrass	16	5.5	35.0	2.5	15.8	1.0	68.6	16.5
Prostrate spurge	34	4.5	13.2	0.2	0.7	0.2	3.6	16.5
Common cocklebur	9	4.7	50.0	0.6	6.7	0.2	10.6	9.3
Common purslane	19	1.9	10.0	0.1	0.6	0.2	1.2	8.4
Canada thistle	19	1.4	7.5	<0.1	0.6	0.2	1.8	7.9
Russian thistle	16	1.1	7.0	0.1	0.3	0.2	0.4	6.4
Field pennycress	9	2.5	26.7	0.1	1.5	1.2	1.8	5.9
Wild rose	9	1.1	11.7	0.1	1.3	0.6	2.2	4.5
Volunteer sunflower	6	1.4	22.5	0.1	1.9	0.2	3.6	3.8
Field bindweed	6	0.8	12.5	<0.1	0.6	0.6	0.6	3.0
Ragweed	6	0.3	5.0	<0.1	0.3	0.2	0.4	2.4
Volunteer alfalfa	3	0.8	25.0	0.1	2.0	2.0	2.0	2.0
Skeleton weed	3	0.6	20.0	0.1	2.0	2.0	2.0	1.8
Flixweed	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Smartweed	3	0.2	5.0	<0.1	1.4	1.4	1.4	1.3
Barnyardgrass	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Prickly lettuce	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Greenflower pepperweed	3	0.2	5.0	<0.1	0.4	0.4	0.4	1.2
Weed free	22	5.2	23.6	—	—	—	—	—

Table 90. Logan County weed infestations based on 19 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	96.6	96.6	149.7	149.7	3.4	323.8	479.2
Wild buckwheat	95	53.7	56.7	6.9	7.3	0.8	29.2	101.4
Wild mustard	89	45.3	50.6	8.6	9.6	0.6	31.4	95.1
Redroot pigweed	74	38.4	52.1	13.1	17.8	0.2	117.6	93.6
Russian thistle	68	45.5	66.5	9.5	13.9	1.8	43.6	90.5
Common lambsquarters	74	44.5	60.4	8.8	12.0	1.6	34.6	89.6
Wild oats	47	30.3	63.9	11.0	23.2	2.2	99.8	71.7
Yellow foxtail	26	13.4	51.0	3.3	12.4	1.6	28.6	29.8
Field bindweed	37	9.5	25.7	2.4	6.5	0.2	30.8	27.4
Kochia	26	6.3	24.0	0.7	2.7	0.4	9.8	16.7
Wild rose	26	5.5	21.0	0.4	1.5	0.6	3.2	15.2
Prostrate pigweed	21	4.5	21.2	0.5	2.4	0.6	5.0	12.7
Canada thistle	16	4.2	26.7	0.8	5.0	3.0	7.6	11.3
Perennial sowthistle	11	3.7	35.0	1.1	10.9	3.6	18.2	9.9
Ragweed	16	3.4	21.7	0.4	2.5	0.8	5.6	9.6
Skeleton weed	16	2.9	18.3	0.2	1.2	0.4	2.0	8.6
Prostrate spurge	11	3.7	35.0	0.3	3.1	0.6	5.6	8.0
Field pennycress	16	1.6	10.0	0.1	0.7	0.2	1.8	7.1
Volunteer sunflower	11	1.8	17.5	0.1	0.9	0.4	1.4	5.6
Quackgrass	5	1.8	35.0	0.4	7.0	7.0	7.0	4.5
Common cocklebur	5	1.6	30.0	0.2	4.4	4.4	4.4	3.9
Common purslane	5	1.6	30.0	0.2	4.2	4.2	4.2	3.8
Silver cinquefoil	5	1.3	25.0	0.1	2.0	2.0	2.0	3.3
Common milkweed	5	1.1	20.0	0.2	4.4	4.4	4.4	3.3
Nightflowering catchfly	5	1.1	20.0	0.1	1.2	1.2	1.2	3.0
Dwarf mallow	5	0.8	15.0	<0.1	0.8	0.8	0.8	2.6
Greenflower pepperweed	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.4
Flixweed	5	0.8	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	5	2.9	55.0	—	—	—	—	—

Table 91. McHenry County weed infestations based on 28 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	90.0	90.0	23.6	23.6	2.6	94.6	178.5
Wild buckwheat	61	33.2	54.7	2.4	3.9	0.8	13.0	59.0
Wild oats	57	32.9	57.5	3.0	5.3	0.6	20.6	59.0
Redroot pigweed	61	12.5	20.6	0.6	1.0	0.4	3.0	34.2
Common lambsquarters	39	13.0	33.2	0.9	2.4	0.2	5.4	28.3
Wild mustard	36	12.1	34.0	0.6	1.7	0.2	5.8	25.4
Russian thistle	32	8.0	25.0	0.6	1.8	0.2	8.0	20.1
Volunteer sunflower	21	3.4	15.8	0.1	0.7	0.4	1.8	10.9
Kochia	18	3.4	19.0	0.2	1.1	0.4	3.0	9.8
Leafy spurge	14	3.4	23.7	0.6	4.5	0.4	9.2	9.7
Canada thistle	14	3.9	27.5	0.3	2.3	0.4	4.8	9.5
Field bindweed	7	3.6	50.0	0.4	5.0	3.4	6.6	6.8
Common cocklebur	4	1.4	40.0	0.2	4.4	4.4	4.4	3.0
Wild rose	4	0.9	25.0	0.1	4.0	4.0	4.0	2.4
Common purslane	4	0.7	20.0	0.1	1.6	1.6	1.6	2.0
Perennial sowthistle	4	0.7	20.0	<0.1	1.2	1.2	1.2	2.0
Greenflower pepperweed	4	0.5	15.0	<0.1	0.8	0.8	0.8	1.8
Weed free	21	5.0	23.3	—	—	—	—	—

Table 92. McIntosh County weed infestations based on 25 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	96.0	96.0	135.1	135.1	1.8	375.2	444.5
Wild mustard	88	55.8	63.4	15.4	17.5	0.6	146.0	121.1
Russian thistle	80	39.8	49.7	10.5	13.1	0.2	56.6	90.9
Wild buckwheat	96	44.0	45.8	5.6	5.8	0.2	42.0	89.0
Common lambsquarters	88	40.8	46.4	6.6	7.6	0.4	53.8	85.6
Redroot pigweed	80	31.4	39.2	9.3	11.7	0.2	75.6	79.8
Yellow foxtail	48	24.4	50.8	5.4	11.3	0.2	25.0	53.1
Wild oats	36	14.4	40.0	2.8	7.9	0.4	30.8	33.0
Wild rose	48	8.6	17.9	0.6	1.3	0.2	2.6	26.0
Canada thistle	24	12.0	50.0	2.4	10.1	2.8	21.4	25.7
Common cocklebur	28	5.6	20.0	0.4	1.4	0.2	3.8	15.8
Quackgrass	20	5.8	29.0	1.0	4.8	1.2	15.8	14.7
Kochia	24	5.2	21.7	0.4	1.8	0.2	5.0	14.2
Skeleton weed	24	4.2	17.5	0.2	1.0	0.2	2.2	12.8
Prostrate pigweed	12	4.8	40.0	0.6	4.8	1.0	11.0	10.1
Field bindweed	16	3.4	21.2	0.6	3.4	0.4	12.0	10.0
Ragweed	16	3.0	18.8	0.5	3.3	0.2	10.8	9.5
Perennial sowthistle	8	4.4	55.0	0.6	7.4	2.4	12.4	8.4
Field pennycress	12	2.6	21.7	0.3	2.4	0.4	6.0	7.3
Prostrate spurge	16	1.6	10.0	0.1	0.8	0.2	2.2	7.2
Hedge bindweed	12	1.6	13.3	0.1	1.2	0.2	3.0	5.9
Volunteer sunflower	8	2.4	30.0	0.4	4.4	0.2	8.6	5.9
Common purslane	8	1.2	15.0	0.1	1.8	1.2	2.4	4.2
Dwarf mallow	8	1.0	12.5	0.1	0.9	0.8	1.0	3.8
Nightflowering catchfly	4	1.4	35.0	0.1	2.2	2.2	2.2	2.9
Dock	4	0.8	20.0	0.1	2.0	2.0	2.0	2.3
Marshelder	4	0.6	15.0	<0.1	0.8	0.8	0.8	2.0
Barnyardgrass	4	0.4	10.0	<0.1	0.6	0.6	0.6	1.8
Smartweed	4	0.4	10.0	<0.1	1.0	1.0	1.0	1.8
Common dandelion	4	0.2	5.0	<0.1	0.4	0.4	0.4	1.6

Table 93. McKenzie County weed infestations based on 19 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	80.5	80.5	74.7	74.7	0.8	313.8	288.2
Wild oats	79	39.2	49.7	12.1	15.3	0.4	59.2	93.7
Wild buckwheat	63	20.0	31.7	1.8	2.9	0.2	8.8	45.3
Russian thistle	63	16.8	26.7	1.5	2.4	0.2	9.4	41.4
Redroot pigweed	68	12.4	18.1	1.1	1.6	0.2	9.6	37.7
Common lambsquarters	37	11.3	30.7	0.7	1.9	0.4	5.2	25.3
Kochia	37	6.1	16.4	0.7	1.9	0.2	5.8	20.0
Field pennycress	26	5.8	22.0	0.5	1.9	0.2	7.6	15.7
Prostrate pigweed	26	2.9	11.0	0.3	1.3	0.2	5.6	12.5
Flixweed	26	2.1	8.0	0.1	0.4	0.2	1.2	11.1
Wild mustard	16	2.9	18.3	0.1	0.9	0.8	1.2	8.5
Common dandelion	5	2.9	55.0	0.2	3.6	3.6	3.6	5.1
Prostrate spurge	11	1.3	12.5	0.1	0.7	0.2	1.2	5.0
Wild rose	11	0.8	7.5	0.1	1.0	0.4	1.6	4.5
Field bindweed	5	2.1	40.0	0.2	3.2	3.2	3.2	4.3
Perennial sowthistle	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.3
Hedge bindweed	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Common purslane	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Prickly lettuce	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	21	2.9	13.7	—	—	—	—	—

Table 94. McLean County weed infestations based on 40 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	95.9	95.9	84.2	84.2	2.8	388.4	325.6
Wild oats	65	22.4	34.4	3.3	5.1	0.4	55.4	51.8
Redroot pigweed	58	12.1	21.1	1.2	2.1	0.2	22.0	34.1
Common lambsquarters	25	4.6	18.5	0.3	1.1	0.2	2.6	13.6
Russian thistle	15	4.2	28.3	0.6	3.8	0.2	18.4	10.6
Wild buckwheat	15	3.6	24.2	0.3	1.7	0.4	5.4	9.2
Perennial sowthistle	8	2.5	33.3	0.3	3.7	2.2	5.4	5.6
Wild mustard	13	1.0	8.0	<0.1	0.3	0.2	0.6	5.3
Field pennycress	3	2.5	100.0	0.4	15.4	15.4	15.4	4.2
Kochia	8	1.0	13.3	<0.1	0.6	0.2	1.2	3.6
Field bindweed	5	0.9	17.5	0.2	4.0	2.6	5.4	3.0
Wild rose	5	1.1	22.5	0.1	1.6	0.2	3.0	3.0
Yellow foxtail	5	0.4	7.5	<0.1	0.7	0.2	1.2	2.1
Barnyardgrass	3	1.0	40.0	<0.1	2.0	2.0	2.0	1.9
Canada thistle	3	0.4	15.0	<0.1	1.8	1.8	1.8	1.3
Smartweed	3	0.4	15.0	<0.1	0.6	0.6	0.6	1.2
Roundleaf mallow	3	0.2	10.0	<0.1	0.4	0.4	0.4	1.1
Skeleton weed	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Witchgrass	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Common milkweed	3	0.1	5.0	<0.1	0.6	0.6	0.6	1.0
Weed free	8	2.7	36.7	—	—	—	—	—

Table 95. Mercer County weed infestations based on 11 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	94.1	94.1	83.1	83.1	2.8	318.4	321.2
Redroot pigweed	82	34.1	41.7	14.8	18.1	0.4	97.2	96.0
Wild buckwheat	64	25.5	40.0	2.0	3.1	0.6	8.2	51.2
Wild oats	64	16.4	25.7	1.1	1.8	0.4	4.6	40.2
Russian thistle	45	5.5	12.0	0.3	0.7	0.2	1.4	21.3
Wild mustard	27	9.5	35.0	0.6	2.1	0.4	5.2	20.0
Field bindweed	18	7.7	42.5	1.5	8.3	7.8	8.8	17.3
Common lambsquarters	18	6.8	37.5	0.5	2.7	1.2	4.2	14.0
Prostrate pigweed	9	7.3	80.0	0.8	9.2	9.2	9.2	12.3
Common cocklebur	18	3.2	17.5	0.1	0.8	0.4	1.2	9.6
Sandbur	18	1.8	10.0	0.1	0.4	0.2	0.6	8.0
Kochia	18	1.8	10.0	0.1	0.4	0.2	0.6	8.0
Yellow foxtail	9	2.3	25.0	0.1	1.6	1.6	1.6	5.6
Wild rose	9	1.8	20.0	0.1	1.2	1.2	1.2	5.1
Volunteer sunflower	9	1.8	20.0	0.1	1.0	1.0	1.0	5.1
Common milkweed	9	1.4	15.0	0.1	1.0	1.0	1.0	4.6
Barnyardgrass	9	0.9	10.0	0.1	0.6	0.6	0.6	4.1
Field pennycress	9	0.9	10.0	<0.1	0.4	0.4	0.4	4.0
Weed free	9	0.5	5.0	—	—	—	—	—

Table 96. Morton County weed infestations based on 20 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	95.0	95.0	145.3	145.3	6.8	396.0	467.3
Redroot pigweed	70	43.2	61.8	21.6	30.9	0.2	197.8	117.0
Wild buckwheat	100	37.7	37.7	4.7	4.7	0.2	15.8	82.0
Common lambsquarters	70	27.5	39.3	4.6	6.6	0.2	35.0	61.6
Wild oats	35	16.0	45.7	4.1	11.8	0.4	61.0	37.3



Table 96 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Russian thistle	50	14.7	29.5	2.4	4.7	0.2	24.6	36.9
Wild mustard	50	14.7	29.5	2.2	4.3	0.2	22.2	36.5
Kochia	30	4.0	13.3	1.3	4.3	0.2	18.6	17.0
Wild rose	25	4.0	16.0	0.3	1.4	0.6	2.2	13.1
Prostrate pigweed	10	5.2	52.5	1.1	11.3	6.4	16.2	11.2
Field bindweed	15	3.7	25.0	0.4	2.9	2.2	3.4	9.8
Field pennycress	15	2.7	18.3	0.4	2.4	0.2	6.8	8.6
Common cocklebur	5	2.2	45.0	0.3	5.0	5.0	5.0	4.5
Barnyardgrass	10	1.0	10.0	<0.1	0.4	0.2	0.6	4.4
Volunteer sunflower	10	0.7	7.5	<0.1	0.3	0.2	0.4	4.2
Leafy spurge	5	0.7	15.0	0.1	1.2	1.2	1.2	2.6
Ragweed	5	0.2	5.0	0.1	1.8	1.8	1.8	2.1
Prostrate spurge	5	0.2	5.0	<0.1	0.6	0.6	0.6	2.0
Skeleton weed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Perennial sowthistle	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Dwarf mallow	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Large crabgrass	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Weed free	5	0.7	15.0	—	—	—	—	—

Table 97. Mountrail County weed infestations based on 28 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	82.3	82.3	25.3	25.3	3.0	45.2	174.8
Wild oats	96	43.9	45.6	7.4	7.7	0.2	27.4	93.3
Redroot pigweed	75	25.7	34.3	1.9	2.5	0.2	9.0	55.1
Wild mustard	54	12.7	23.7	0.9	1.8	0.2	5.4	32.7
Perennial sowthistle	36	12.9	36.0	1.1	3.0	0.6	6.2	27.3
Common lambsquarters	36	12.3	34.5	0.8	2.3	0.4	3.4	26.2
Yellow foxtail	21	6.8	31.7	0.8	4.0	0.8	7.4	15.9
Russian thistle	25	4.6	18.6	0.3	1.0	0.4	2.0	13.6
Canada thistle	18	3.4	19.0	0.2	1.3	0.4	2.4	9.9
Volunteer sunflower	21	1.4	6.7	0.1	0.3	0.2	0.4	8.7
Wild buckwheat	14	1.8	12.5	0.1	0.8	0.2	1.4	6.8
Field pennycress	11	0.7	6.7	<0.1	0.3	0.2	0.4	4.4
Field bindweed	4	1.8	50.0	0.3	7.0	7.0	7.0	3.6
Kochia	7	1.1	15.0	0.1	0.8	0.2	1.4	3.6
Wild rose	7	0.4	5.0	<0.1	0.2	0.2	0.2	2.8
Common cocklebur	4	0.4	10.0	<0.1	0.6	0.6	0.6	1.6
Dock	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.4
Weed free	14	4.8	33.7	—	—	—	—	—

Table 98. Nelson County weed infestations based on 30 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	88.3	88.3	56.1	56.1	1.8	396.0	252.6
Wild oats	77	33.0	43.0	3.0	3.9	0.2	12.0	65.6
Wild buckwheat	73	28.0	38.2	2.6	3.6	0.2	16.0	58.5
Redroot pigweed	73	22.8	31.1	1.7	2.3	0.2	6.8	51.2
Kochia	37	11.7	31.8	2.4	6.6	0.2	58.0	29.5
Wild mustard	43	13.0	30.0	0.8	1.8	0.2	6.6	29.2
Russian thistle	37	10.8	29.5	1.5	4.0	0.2	25.0	26.5
Nightflowering catchfly	20	10.3	51.7	1.6	7.8	0.2	18.6	20.6

Table 98 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Canada thistle	27	3.0	11.2	0.3	1.1	0.2	2.0	12.6
Prostrate pigweed	20	4.2	20.8	0.7	3.3	0.8	8.0	12.4
Perennial sowthistle	17	3.3	20.0	0.4	2.2	0.2	4.6	9.7
Common lambsquarters	20	2.5	12.5	0.2	0.9	0.2	2.6	9.6
Volunteer sunflower	7	3.3	50.0	0.5	8.1	8.0	8.2	6.8
Wild rose	13	0.8	6.3	<0.1	0.3	0.2	0.6	5.4
Field pennycress	3	3.3	100.0	0.3	9.4	9.4	9.4	5.2
Yellow foxtail	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Dwarf mallow	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.5
Weed free	27	4.8	18.1	—	—	—	—	—

Table 99. Oliver County weed infestations based on 10 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	98.5	98.5	103.5	103.5	17.0	315.8	373.4
Wild buckwheat	90	44.0	48.9	4.7	5.3	0.2	17.4	85.1
Redroot pigweed	60	15.5	25.8	8.5	14.1	0.2	81.4	55.3
Russian thistle	70	23.5	33.6	1.8	2.5	0.8	5.8	51.0
Common lambsquarters	60	22.5	37.5	2.3	3.8	0.4	9.8	47.9
Field bindweed	50	20.5	41.0	3.4	6.7	3.6	8.4	45.0
Wild mustard	30	7.0	23.3	0.5	1.8	0.6	4.2	18.3
Kochia	20	3.5	17.5	0.4	1.8	0.2	3.4	11.0
Yellow foxtail	20	3.5	17.5	0.1	0.7	0.6	0.8	10.5
Wild oats	20	1.5	7.5	0.1	0.3	0.2	0.4	8.3
Quackgrass	10	1.0	10.0	0.9	8.6	8.6	8.6	6.3
Ragweed	10	2.5	25.0	0.1	1.2	1.2	1.2	6.1
Common cocklebur	10	2.0	20.0	0.1	1.2	1.2	1.2	5.6
Wild licorice	10	2.0	20.0	0.1	1.0	1.0	1.0	5.6
Common milkweed	10	1.0	10.0	0.1	1.2	1.2	1.2	4.6
Wild rose	10	1.0	10.0	0.1	0.6	0.6	0.6	4.5
Prickly lettuce	10	1.0	10.0	<0.1	0.4	0.4	0.4	4.4
Perennial sowthistle	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Large crabgrass	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Weed free	10	0.5	5.0	—	—	—	—	—

Table 100. Pembina County weed infestations based on 38 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	98.6	98.6	47.5	47.5	4.0	159.2	242.8
Wild oats	76	48.0	62.9	5.2	6.8	0.2	33.2	85.6
Wild buckwheat	84	42.8	50.8	4.1	4.8	0.2	31.6	80.4
Yellow foxtail	63	30.9	49.0	4.1	6.4	0.2	40.0	61.4
Redroot pigweed	50	30.5	61.1	2.9	5.7	0.2	22.0	53.8
Wild mustard	26	9.3	35.5	0.6	2.2	0.2	8.2	19.4
Nightflowering catchfly	18	8.3	45.0	1.0	5.4	1.4	24.2	16.8
Canada thistle	21	3.8	18.1	0.3	1.4	0.6	2.8	11.5
Common lambsquarters	16	3.8	24.2	0.2	1.4	0.2	5.4	9.6
Quackgrass	8	3.4	43.3	0.5	6.6	2.8	12.8	7.3
Russian thistle	8	1.3	16.7	0.1	1.0	0.2	2.2	4.1
Austrian fieldcress	5	2.0	37.5	0.2	3.4	2.6	4.2	4.1
Prostrate pigweed	5	1.7	32.5	0.1	1.7	1.6	1.8	3.7
Kochia	8	0.9	11.7	<0.1	0.5	0.2	1.2	3.7

Table 100 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Volunteer sunflower	3	1.3	50.0	0.1	4.2	4.2	4.2	2.5
Waterpod	3	0.7	25.0	<0.1	1.4	1.4	1.4	1.6
Roundleaf mallow	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Weed free	11	0.9	8.7	—	—	—	—	—

Table 101. Pierce County weed infestations based on 26 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	94.4	94.4	69.3	69.3	2.2	249.0	289.3
Wild buckwheat	88	54.0	61.1	6.1	6.9	0.2	19.6	97.8
Wild oats	58	31.2	54.0	5.4	9.4	0.2	24.8	63.0
Russian thistle	62	26.2	42.5	5.0	8.1	0.4	30.6	58.3
Redroot pigweed	73	22.1	30.3	3.7	5.1	0.4	52.0	55.2
Common lambsquarters	42	20.6	48.6	2.9	6.9	0.2	21.2	41.4
Yellow foxtail	27	11.0	40.7	3.6	13.5	0.2	52.4	28.4
Field bindweed	27	12.3	45.7	2.2	8.3	0.4	15.6	26.5
Wild mustard	27	11.0	40.7	1.3	4.9	0.2	17.0	23.0
Canada thistle	31	4.4	14.4	0.7	2.3	0.6	5.6	16.3
Kochia	27	4.0	15.0	0.4	1.5	0.2	7.2	13.9
Quackgrass	15	5.4	35.0	1.0	6.6	1.8	9.8	12.9
Wild rose	23	3.8	16.7	0.3	1.5	0.2	2.2	12.3
Nightflowering catchfly	15	5.6	36.2	0.6	3.7	0.2	8.2	12.0
Prostrate spurge	23	2.7	11.7	0.1	0.5	0.2	1.0	10.7
Perennial sowthistle	12	3.5	30.0	0.8	6.6	4.2	10.6	9.1
Skeleton weed	15	1.0	6.3	<0.1	0.3	0.2	0.4	6.2
Volunteer sunflower	12	1.7	15.0	0.1	0.9	0.6	1.2	5.8
Common cocklebur	8	1.5	20.0	0.1	1.7	1.4	2.0	4.4
Flixweed	4	0.8	20.0	<0.1	1.2	1.2	1.2	2.2
Field pennycress	4	0.6	15.0	<0.1	1.0	1.0	1.0	1.9
Common purslane	4	0.2	5.0	<0.1	0.8	0.8	0.8	1.5
Prostrate pigweed	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.5
Wild barley	4	0.2	5.0	<0.1	0.4	0.4	0.4	1.5
Dwarf mallow	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.5
Weed free	19	3.5	18.0	—	—	—	—	—

Table 102. Ramsey County weed infestations based on 40 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	83.9	86.0	80.0	82.1	0.2	275.4	303.1
Redroot pigweed	88	35.9	41.0	4.4	5.1	0.2	25.2	75.4
Wild mustard	95	23.2	24.5	2.1	2.2	0.2	22.8	59.7
Wild buckwheat	75	16.6	22.2	1.2	1.6	0.2	8.6	44.4
Kochia	58	8.4	14.6	0.6	1.1	0.2	5.0	29.0
Wild oats	40	9.4	23.4	0.8	2.1	0.2	12.2	24.7
Common lambsquarters	43	6.3	14.7	0.4	0.9	0.2	3.6	21.3
Prostrate spurge	28	8.2	30.0	0.8	2.9	0.2	13.8	19.3
Prostrate pigweed	25	5.2	21.0	1.3	5.1	0.2	24.8	16.6
Yellow foxtail	10	5.2	52.5	3.1	30.8	0.4	61.4	15.8
Russian thistle	28	4.4	15.9	0.9	3.3	0.2	20.8	15.7
Canada thistle	33	3.5	10.8	0.3	1.0	0.2	2.0	15.1
Perennial sowthistle	15	1.9	12.5	0.1	0.6	0.2	1.6	7.1
Wild rose	15	1.4	9.2	0.1	0.8	0.2	2.6	6.7
Common cocklebur	13	1.7	14.0	0.2	1.2	0.2	3.2	6.3

Table 102 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Dwarf mallow	15	1.1	7.5	0.1	0.6	0.2	2.2	6.3
Quackgrass	5	2.4	47.5	0.3	5.3	0.6	10.0	4.7
Field bindweed	5	0.9	17.5	0.1	1.1	0.6	1.6	2.7
Marshelder	5	0.7	15.0	<0.1	0.6	0.2	1.0	2.5
Common milkweed	3	0.4	15.0	0.1	2.4	2.4	2.4	1.3
Common purslane	3	0.2	10.0	<0.1	0.4	0.4	0.4	1.1
Leafy spurge	3	0.1	5.0	<0.1	0.4	0.4	0.4	1.0
Weed free	30	4.0	13.3	—	—	—	—	—

Table 103. Ransom County weed infestations based on 18 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	80.0	80.0	37.6	37.6	3.6	194.4	201.1
Yellow foxtail	78	29.2	37.5	5.8	7.5	0.8	36.6	68.7
Wild buckwheat	72	21.1	29.2	1.7	2.3	0.4	11.8	49.0
Wild mustard	67	18.3	27.5	1.2	1.8	0.2	9.4	43.3
Common lambsquarters	78	10.0	12.9	0.5	0.6	0.2	1.6	37.0
Redroot pigweed	67	9.4	14.2	0.6	0.8	0.2	3.2	33.0
Field bindweed	44	15.0	33.7	1.3	2.9	0.4	6.0	32.8
Canada thistle	56	8.1	14.5	0.8	1.4	0.2	5.6	28.4
Russian thistle	33	6.7	20.0	0.4	1.1	0.2	3.4	18.7
Ragweed	39	4.7	12.1	0.2	0.6	0.2	1.2	18.2
Wild rose	33	4.7	14.2	0.3	0.8	0.2	2.6	16.5
Common purslane	33	4.2	12.5	0.2	0.6	0.2	2.0	15.8
Quackgrass	22	4.7	21.2	0.4	1.7	0.4	3.0	13.0
Volunteer millet	17	4.4	26.7	0.8	4.8	0.4	9.6	11.9
Prostrate pigweed	28	1.9	7.0	0.1	0.3	0.2	0.6	11.4
Wild oats	17	4.7	28.3	0.3	1.9	0.2	5.0	11.0
Leafy spurge	17	4.7	28.3	0.3	1.8	0.6	2.8	11.0
Perennial sowthistle	22	1.7	7.5	0.1	0.3	0.2	0.6	9.3
Volunteer alfalfa	6	2.8	50.0	0.2	3.0	3.0	3.0	5.0
Common milkweed	11	0.8	7.5	0.1	0.9	0.4	1.4	4.8
Kochia	11	0.6	5.0	<0.1	0.2	0.2	0.2	4.3
Greenflower pepperweed	11	0.6	5.0	<0.1	0.2	0.2	0.2	4.3
Volunteer corn	6	1.4	25.0	0.1	2.0	2.0	2.0	3.5
Silver cinquefoil	6	1.4	25.0	0.1	1.4	1.4	1.4	3.4
Knotweeds	6	1.4	25.0	0.1	1.4	1.4	1.4	3.4
Prickly lettuce	6	0.6	10.0	<0.1	0.4	0.4	0.4	2.5
Nightflowering catchfly	6	0.6	10.0	<0.1	0.4	0.4	0.4	2.5
Dwarf mallow	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.2
Weed free	44	6.7	15.0	—	—	—	—	—

Table 104. Renville County weed infestations based on 25 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	90.4	90.4	134.5	134.5	6.4	389.2	437.5
Wild buckwheat	96	29.6	30.8	2.1	2.2	0.2	9.2	66.6
Wild oats	64	20.6	32.2	3.1	4.8	0.4	23.8	49.1
Redroot pigweed	76	14.6	19.2	1.2	1.6	0.2	11.6	42.8
Yellow foxtail	32	12.8	40.0	7.5	23.4	0.8	95.0	41.0
Common lambsquarters	60	7.6	12.7	0.5	0.8	0.2	3.0	28.7
Common cocklebur	40	5.4	13.5	0.4	0.9	0.2	2.8	19.6
Quackgrass	28	5.8	20.7	1.1	4.1	0.6	9.2	17.8

Table 104 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Perennial sowthistle	32	5.6	17.5	0.5	1.5	0.2	4.0	17.4
Wild mustard	32	5.2	16.2	0.4	1.3	0.2	6.4	16.8
Barnyardgrass	32	4.0	12.5	0.3	1.0	0.2	2.8	15.4
Kochia	36	2.2	6.1	0.2	0.4	0.2	1.2	14.6
Canada thistle	24	4.4	18.3	0.4	1.6	0.4	4.2	13.3
Field bindweed	20	3.2	16.0	0.6	3.1	0.6	11.6	11.3
Field pennycress	20	3.4	17.0	0.3	1.7	0.2	4.4	10.9
Prostrate pigweed	16	1.4	8.7	0.1	0.3	0.2	0.6	6.9
False chamomile	12	1.4	11.7	0.1	0.7	0.2	1.4	5.6
Russian thistle	8	0.8	10.0	0.1	1.2	0.2	2.2	3.7
Wild rose	8	0.6	7.5	0.1	0.7	0.6	0.8	3.4
Prostrate spurge	8	0.4	5.0	<0.1	0.2	0.2	0.2	3.1
Clover	4	0.6	15.0	<0.1	0.8	0.8	0.8	2.0
Common dandelion	4	0.4	10.0	<0.1	1.0	1.0	1.0	1.8
Knotweeds	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.6
Greenflower pepperweed	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.6
Weed free	12	3.4	28.3	—	—	—	—	—

Table 105. Richland County weed infestations based on 39 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Yellow foxtail	87	47.9	55.0	17.0	19.5	0.2	138.0	116.7
Green foxtail	85	51.3	60.6	12.2	14.4	0.2	78.8	107.9
Common lambsquarters	74	19.9	26.7	2.7	3.6	0.2	21.0	50.8
Wild buckwheat	44	17.2	39.4	1.9	4.3	0.2	20.6	36.1
Wild mustard	54	14.0	26.0	1.6	2.9	0.2	28.6	35.6
Redroot pigweed	51	7.9	15.5	1.6	3.1	0.2	31.4	28.7
Wild oats	31	7.7	25.0	0.8	2.7	0.2	11.8	19.9
Ragweed	31	4.6	15.0	0.4	1.4	0.2	9.0	15.9
Common milkweed	26	3.8	15.0	0.4	1.7	0.2	5.8	13.4
Volunteer sunflower	26	3.6	14.0	0.4	1.5	0.2	5.6	13.0
Quackgrass	18	4.7	26.4	0.6	3.2	0.6	9.6	12.1
Smartweed	21	2.7	13.1	0.2	1.0	0.2	2.0	10.0
Canada thistle	21	2.1	10.0	0.2	0.8	0.2	2.0	9.3
Russian thistle	15	2.9	19.2	0.3	2.1	0.2	6.8	8.8
Kochia	13	2.2	17.0	0.3	2.5	0.4	5.8	7.2
Perennial sowthistle	13	1.0	8.0	0.2	1.7	0.2	3.8	5.8
Barnyardgrass	10	1.4	13.7	0.3	3.0	0.2	8.6	5.6
Prostrate spurge	10	1.0	10.0	0.1	0.5	0.2	1.4	4.6
Volunteer soybean	10	0.8	7.5	<0.1	0.4	0.2	0.6	4.3
Field bindweed	5	1.0	20.0	0.1	2.6	0.4	4.8	3.0
Common purslane	8	0.4	5.0	<0.1	0.3	0.2	0.4	3.0
Nightflowering catchfly	3	0.8	30.0	0.1	2.6	2.6	2.6	1.8
Hedge bindweed	3	0.6	25.0	0.1	2.8	2.8	2.8	1.7
Prostrate pigweed	3	0.8	30.0	<0.1	1.4	1.4	1.4	1.7
Volunteer corn	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Weed free	41	9.0	21.9	—	—	—	—	—

Table 106. Rolette County weed infestations based on 20 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	88.0	88.0	68.8	68.8	5.4	340.4	281.8
Wild oats	90	50.5	56.1	10.2	11.3	0.6	39.6	104.2
Wild buckwheat	85	38.2	45.0	3.7	4.3	0.2	11.8	75.1

Table 106 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Nightflowering catchfly	40	17.5	43.8	1.5	3.8	1.0	6.4	34.4
Common lambsquarters	40	13.5	33.7	2.2	5.5	0.2	28.4	32.0
Wild mustard	35	12.0	34.3	2.0	5.8	0.2	31.4	28.4
Canada thistle	40	9.7	24.4	1.7	4.1	0.2	22.4	27.0
Redroot pigweed	40	6.3	15.6	0.9	2.3	0.2	14.8	21.8
Perennial sowthistle	25	8.0	32.0	1.0	4.0	0.2	10.2	18.6
Quackgrass	10	8.5	85.0	2.3	22.5	15.8	29.2	17.1
Russian thistle	25	5.2	21.0	0.4	1.5	0.4	2.8	14.4
Yellow foxtail	10	6.5	65.0	1.9	18.8	11.0	26.6	14.2
Kochia	20	3.0	15.0	0.2	1.0	0.2	2.0	10.2
Field pennycress	15	3.2	21.7	0.2	1.1	0.2	1.8	8.6
Common dandelion	5	4.5	90.0	1.0	19.6	19.6	19.6	8.5
Barnyardgrass	10	2.7	27.5	0.3	2.7	0.4	5.0	6.7
Prostrate spurge	15	0.7	5.0	<0.1	0.2	0.2	0.2	5.8
Wild rose	10	1.7	17.5	0.1	1.3	0.6	2.0	5.4
Field bindweed	5	1.5	30.0	0.1	2.8	2.8	2.8	3.5
Sandbur	5	1.5	30.0	0.1	1.8	1.8	1.8	3.4
Common milkweed	5	1.0	20.0	0.2	3.6	3.6	3.6	3.1
Smartweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Dwarf mallow	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Weed free	30	6.3	20.8	—	—	—	—	—

Table 107. Sargent County weed infestations based on 19 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	82.9	82.9	41.5	41.5	0.6	92.2	213.1
Yellow foxtail	68	28.9	42.3	8.1	11.8	0.6	50.4	70.7
Volunteer millet	21	13.2	62.5	10.8	51.2	0.8	123.8	45.3
Wild buckwheat	74	12.1	16.4	0.6	0.8	0.2	2.8	38.1
Wild mustard	53	12.4	23.5	0.8	1.6	0.2	7.4	31.9
Canada thistle	58	9.5	16.4	0.7	1.3	0.2	3.8	30.5
Redroot pigweed	53	8.9	17.0	0.5	0.9	0.2	2.4	27.6
Kochia	32	8.2	25.8	1.3	4.0	0.2	21.6	21.6
Common lambsquarters	47	5.0	10.6	0.2	0.5	0.2	0.8	21.3
Volunteer sunflower	26	10.5	40.0	0.6	2.4	1.0	4.6	20.7
Wild oats	26	8.9	34.0	0.7	2.8	0.2	6.6	19.4
Field bindweed	32	5.5	17.5	0.6	2.0	0.2	8.8	17.5
Russian thistle	16	7.6	48.3	1.3	8.5	0.4	13.8	16.0
Prostrate spurge	21	3.2	15.0	0.2	0.9	0.2	2.6	10.6
Ragweed	26	1.6	6.0	0.1	0.2	0.2	0.4	10.5
Quackgrass	16	3.7	23.3	0.3	2.1	0.6	4.4	9.7
Wild rose	21	2.1	10.0	0.1	0.5	0.2	0.6	9.4
Black medic	5	4.5	85.0	1.3	25.2	25.2	25.2	9.3
Common milkweed	16	3.4	21.7	0.2	1.1	1.0	1.2	9.1
Perennial sowthistle	16	2.4	15.0	0.2	1.1	0.4	2.2	8.0
Volunteer corn	5	2.1	40.0	0.1	2.6	2.6	2.6	4.2
Common purslane	11	0.5	5.0	<0.1	0.2	0.2	0.2	4.1
Horsetail	5	1.6	30.0	0.1	2.6	2.6	2.6	3.7
Smartweed	5	1.6	30.0	0.1	1.8	1.8	1.8	3.6
Volunteer alfalfa	5	1.3	25.0	0.1	1.4	1.4	1.4	3.2
Leafy spurge	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.4
Common dandelion	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Nightflowering catchfly	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	37	6.8	18.6	—	—	—	—	—

Table 108. Sheridan County weed infestations based on 21 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	91.9	91.9	24.0	24.0	7.0	39.8	181.2
Wild oats	62	26.7	43.1	1.5	2.5	0.4	7.0	50.9
Redroot pigweed	76	20.5	26.9	1.5	1.9	0.4	14.6	49.3
Wild mustard	67	20.0	30.0	0.9	1.3	0.4	4.2	44.3
Field bindweed	38	14.0	36.9	0.7	1.9	0.2	3.8	28.4
Wild buckwheat	43	12.6	29.4	0.6	1.4	0.2	3.2	28.3
Russian thistle	14	1.9	13.3	0.1	0.7	0.2	1.2	6.9
Common lambsquarters	14	1.9	13.3	0.1	0.5	0.2	0.8	6.8
Volunteer sunflower	14	1.7	11.7	0.1	0.5	0.2	0.6	6.6
Kochia	14	1.0	6.7	<0.1	0.3	0.2	0.4	5.8
Field pennycress	10	1.4	15.0	0.1	0.6	0.6	0.6	4.7
Canada thistle	5	1.9	40.0	0.4	8.2	8.2	8.2	4.4
Prostrate spurge	5	1.7	35.0	0.2	4.4	4.4	4.4	3.7
Flixweed	5	1.4	30.0	<0.1	1.6	1.6	1.6	3.2
Perennial sowthistle	5	1.2	25.0	<0.1	1.0	1.0	1.0	2.9
Greenflower pepperweed	5	0.7	15.0	<0.1	0.8	0.8	0.8	2.4
Common purslane	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.1
Shepherdspurge	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.1
Prostrate pigweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	29	4.3	15.0	—	—	—	—	—

Table 109. Sioux County weed infestations based on 10 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Field bindweed	100	48.0	48.0	3.5	3.5	0.6	9.8	89.6
Green foxtail	90	44.0	48.9	4.3	4.8	0.4	13.8	84.1
Wild oats	90	39.5	43.9	3.0	3.3	0.6	11.6	76.4
Kochia	90	16.5	18.3	0.9	1.0	0.2	5.4	48.6
Russian thistle	70	18.0	25.7	1.1	1.5	0.4	5.0	43.8
Common lambsquarters	60	9.5	15.8	0.5	0.8	0.2	1.4	30.6
Wild mustard	50	10.0	20.0	0.6	1.2	0.2	2.6	28.1
Wild buckwheat	50	8.5	17.0	0.5	0.9	0.4	1.8	26.2
Yellow foxtail	40	6.5	16.2	0.6	1.4	0.2	3.2	21.1
Redroot pigweed	40	4.5	11.2	0.2	0.6	0.4	1.0	18.4
Prostrate pigweed	30	3.0	10.0	0.1	0.5	0.4	0.6	13.3
Smartweed	10	2.0	20.0	0.1	0.8	0.8	0.8	5.5
Marshelder	10	2.0	20.0	0.1	0.8	0.8	0.8	5.5
Flixweed	10	2.0	20.0	0.1	0.8	0.8	0.8	5.5
Ragweed	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Common purslane	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Prickly lettuce	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Volunteer sunflower	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Prostrate spurge	10	0.5	5.0	<0.1	0.4	0.4	0.4	3.9

Table 110. Slope County weed infestations based on 12 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	75	54.2	72.2	44.1	58.8	3.8	245.2	182.0
Wild buckwheat	92	45.4	49.5	5.8	6.3	0.2	26.8	89.4
Wild oats	75	29.6	39.4	7.6	10.2	0.2	29.0	72.4
Redroot pigweed	83	30.0	36.0	4.1	4.9	0.2	19.6	67.3
Russian thistle	50	16.2	32.5	1.8	3.6	0.6	10.6	37.1
Common lambsquarters	50	12.1	24.2	0.9	1.8	0.2	4.8	30.8

Table 110 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Prostrate pigweed	50	10.8	21.7	1.3	2.6	0.2	11.2	30.5
Field bindweed	33	12.9	38.7	1.5	4.6	0.8	8.6	27.6
Prostrate spurge	25	10.0	40.0	1.7	6.7	0.6	18.8	22.3
Kochia	25	9.6	38.3	1.5	6.2	0.2	16.4	21.5
Field pennycress	33	5.0	15.0	0.6	1.8	0.4	6.2	17.5
Flixweed	33	5.0	15.0	0.4	1.3	0.2	4.0	17.2
Downy brome	17	5.4	32.5	0.6	3.5	0.6	6.4	12.3
Wild rose	17	1.7	10.0	0.3	1.6	0.4	2.8	7.8
Yellow foxtail	17	1.7	10.0	0.1	0.5	0.4	0.6	7.4
Buffalo bur	8	3.3	40.0	0.3	3.4	3.4	3.4	6.8
Volunteer sunflower	17	0.8	5.0	<0.1	0.2	0.2	0.2	6.5
Large crabgrass	8	2.5	30.0	0.1	1.4	1.4	1.4	5.5
Knotweeds	8	2.1	25.0	0.2	2.4	2.4	2.4	5.3
Common purslane	8	1.2	15.0	0.1	1.4	1.4	1.4	4.3
Waterpod	8	1.2	15.0	0.1	1.4	1.4	1.4	4.3
Wild mustard	8	1.2	15.0	0.1	1.0	1.0	1.0	4.2
Wild geranium	8	1.2	15.0	<0.1	0.6	0.6	0.6	4.1
Common dandelion	8	0.8	10.0	<0.1	0.4	0.4	0.4	3.7
Wild barley	8	0.4	5.0	<0.1	0.4	0.4	0.4	3.3
Western salsify	8	0.4	5.0	<0.1	0.2	0.2	0.2	3.2
Prickly lettuce	8	0.4	5.0	<0.1	0.2	0.2	0.2	3.2
False chamomile	8	0.4	5.0	<0.1	0.2	0.2	0.2	3.2
Volunteer alfalfa	8	0.4	5.0	<0.1	0.2	0.2	0.2	3.2
Weed free	17	1.7	10.0	—	—	—	—	—

Table 111. Stark County weed infestations based on 191 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	69	44.7	65.2	50.8	74.0	0.2	396.0	186.0
Redroot pigweed	72	24.6	34.1	7.4	10.2	0.2	273.2	65.9
Wild buckwheat	64	26.7	41.8	6.1	9.6	0.2	134.2	62.3
Wild oats	61	22.5	37.1	6.6	10.8	0.2	167.6	58.1
Russian thistle	45	12.0	26.9	4.5	10.1	0.2	226.4	37.3
Field pennycress	33	7.8	23.7	2.1	6.4	0.2	146.6	23.8
Yellow foxtail	18	7.5	40.9	4.1	22.3	0.4	316.4	23.1
Wild mustard	42	7.1	17.1	0.6	1.5	0.2	16.2	22.5
Common lambsquarters	39	6.6	16.9	0.7	1.7	0.2	18.0	21.3
Field bindweed	28	6.7	23.7	1.0	3.4	0.2	24.8	18.4
Kochia	29	4.5	15.2	0.5	1.8	0.2	24.4	15.5
Prostrate pigweed	14	3.9	27.6	0.9	6.3	0.2	90.0	10.7
Volunteer sunflower	18	3.0	16.3	0.3	1.7	0.2	18.8	9.8
Flixweed	12	2.2	18.9	0.2	1.6	0.2	9.4	6.4
Wild vetch	10	1.1	10.7	0.1	1.0	0.2	6.2	4.9
Common dandelion	9	1.2	12.2	0.1	1.0	0.2	10.0	4.5
Greenflower pepperweed	7	1.6	22.1	0.2	2.3	0.2	16.6	4.5
Wild rose	10	0.7	7.4	0.1	0.8	0.2	2.6	4.2
Prickly lettuce	7	0.8	11.9	0.2	2.2	0.2	23.6	3.4
Volunteer alfalfa	5	1.0	19.5	0.1	1.7	0.2	6.6	3.0
Buffalo bur	4	1.0	23.1	0.2	5.3	0.2	34.8	2.9
Ragweed	6	0.5	8.2	<0.1	0.5	0.2	1.8	2.5
Leafy spurge	2	0.8	40.0	0.2	9.3	1.0	32.2	2.0
Skeleton weed	4	0.4	10.6	<0.1	0.9	0.2	2.6	1.9
Monolepis	3	0.7	21.7	0.1	2.2	0.2	7.8	1.9
Quackgrass	3	0.7	26.0	0.1	5.4	0.6	19.8	1.9
Perennial sowthistle	3	0.5	21.0	0.2	7.2	0.2	32.6	1.9
Common purslane	4	0.2	5.7	<0.1	0.3	0.2	0.8	1.5
Prostrate spurge	2	0.5	26.2	0.1	4.1	0.2	15.0	1.5
Poverty weed	2	0.5	33.3	0.1	8.3	3.2	16.6	1.4



Table 111 (continued)

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Nuttalls violet	1	0.5	52.5	0.2	17.3	0.2	34.4	1.3
Witchgrass	3	0.4	14.0	<0.1	1.2	0.2	2.2	1.3
Scurf pea	3	0.3	10.0	<0.1	0.6	0.2	1.4	1.2
Clover	3	0.3	10.0	<0.1	1.1	0.2	4.2	1.2
False flax	2	0.5	30.0	<0.1	2.3	1.8	2.8	1.1
Dwarf mallow	3	0.2	8.0	<0.1	0.5	0.2	0.8	1.1
Bromegrass	2	0.2	7.5	<0.1	0.5	0.4	0.6	0.9
Knotweeds	2	0.2	10.0	<0.1	0.4	0.2	1.0	0.9
Smooth blue aster	1	0.2	22.5	0.1	7.1	3.0	11.2	0.8
Wild parsley	2	0.1	6.3	<0.1	0.3	0.2	0.6	0.8
Common cocklebur	2	0.1	6.7	<0.1	0.3	0.2	0.4	0.6
Green sage	1	0.2	20.0	<0.1	2.9	0.2	5.6	0.6
Fairy candelabra	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.4
Common milkweed	1	0.1	7.5	<0.1	0.4	0.2	0.6	0.4
Canada thistle	1	0.1	5.0	<0.1	0.2	0.2	0.2	0.4
Gumweed	1	0.1	20.0	<0.1	1.4	1.4	1.4	0.3
Tall blazing star	1	0.1	15.0	<0.1	1.0	1.0	1.0	0.3
Marshelder	1	0.1	20.0	<0.1	1.0	1.0	1.0	0.3
Volunteer wheat	1	0.1	15.0	<0.1	0.8	0.8	0.8	0.3
Flodmans thistle	1	0.1	10.0	<0.1	0.6	0.6	0.6	0.2
Blue lettuce	<1	0.1	5.0	<0.1	0.2	0.2	0.2	0.2
Broadleaf plantain	<1	0.1	5.0	<0.1	0.8	0.8	0.8	0.2
Horsetail	<1	0.1	5.0	<0.1	0.2	0.2	0.2	0.2
Shepherdspurse	1	0.1	10.0	<0.1	0.4	0.4	0.4	0.2
Dock	<1	0.1	5.0	<0.1	0.2	0.2	0.2	0.2
Weed free	50	12.3	24.8	—	—	—	—	—

Table 112. Steele County weed infestations based on 21 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	71.2	71.2	10.3	10.3	1.8	35.2	128.6
Wild buckwheat	90	22.9	25.3	1.2	1.3	0.6	5.6	55.9
Wild mustard	67	23.6	35.4	1.2	1.9	0.2	3.6	48.7
Redroot pigweed	90	13.8	15.3	0.7	0.8	0.2	2.4	45.6
Yellow foxtail	48	19.0	40.0	1.6	3.4	0.6	12.4	38.7
Wild oats	52	17.1	32.7	1.7	3.3	0.2	12.4	38.6
Prostrate pigweed	71	12.4	17.3	0.7	1.0	0.2	5.8	37.9
Canada thistle	48	6.2	13.0	0.5	1.0	0.2	3.0	23.2
Ragweed	43	6.7	15.6	0.4	0.9	0.4	1.6	21.8
Common lambsquarters	43	5.5	12.8	0.3	0.6	0.2	2.0	20.4
Russian thistle	33	6.0	17.9	0.4	1.1	0.2	4.4	17.9
Shepherdspurse	38	2.6	6.9	0.1	0.3	0.2	0.4	15.6
Wild rose	29	3.1	10.8	0.2	0.7	0.2	1.4	13.1
Perennial sowthistle	14	3.1	21.7	0.3	1.9	0.2	5.0	8.5
Kochia	14	1.2	8.3	0.1	0.5	0.4	0.6	6.1
Field bindweed	10	1.7	17.5	0.1	1.5	0.4	2.6	5.2
Volunteer sunflower	5	1.0	20.0	0.1	1.2	1.2	1.2	2.7
Quackgrass	5	0.7	15.0	0.1	1.4	1.4	1.4	2.5
Common dandelion	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Common milkweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Dwarf mallow	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Prostrate spurge	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	76	10.0	13.1	—	—	—	—	—

Table 113. Stutsman County weed infestations based on 54 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	89.4	91.0	169.3	172.5	0.8	396.0	517.1
Redroot pigweed	80	30.5	38.3	9.5	11.9	0.2	66.2	79.1
Wild buckwheat	76	21.4	28.2	2.8	3.7	0.2	39.6	53.2
Wild mustard	61	17.7	28.9	5.5	9.0	0.2	186.4	50.8
Yellow foxtail	54	15.0	27.9	4.5	8.5	0.2	46.8	43.5
Common lambsquarters	70	16.0	22.8	1.7	2.4	0.2	16.8	43.4
Russian thistle	37	11.1	30.0	1.8	4.9	0.2	41.6	27.7
Kochia	39	7.6	19.5	1.7	4.4	0.2	58.6	24.6
Wild oats	43	8.4	19.8	0.8	1.8	0.2	7.2	24.4
Prostrate pigweed	35	8.0	22.6	1.7	4.8	0.2	31.6	23.6
Field pennycress	30	5.0	16.9	0.9	2.9	0.2	27.6	16.9
Common purslane	15	3.7	25.0	1.8	11.8	0.4	69.6	12.7
Canada thistle	22	3.4	15.4	0.7	3.1	0.2	10.8	12.4
Field bindweed	17	3.5	21.1	0.7	4.2	0.2	16.4	10.7
Prostrate spurge	17	2.8	16.7	0.3	1.9	0.2	7.6	9.1
Yellow woodsorrel	13	2.6	20.0	0.3	1.9	0.2	7.0	7.5
Wild rose	11	1.4	12.5	0.1	1.0	0.2	3.6	5.4
Volunteer sunflower	9	0.9	10.0	<0.1	0.4	0.2	1.2	4.1
Flixweed	7	0.6	8.7	0.1	1.3	0.4	3.8	3.3
Dwarf mallow	7	0.6	8.7	<0.1	0.6	0.2	2.0	3.2
Common cocklebur	6	0.6	11.7	0.1	1.0	0.4	1.8	2.6
Perennial sowthistle	6	0.6	10.0	<0.1	0.7	0.4	0.8	2.5
Greenflower pepperweed	4	0.4	10.0	<0.1	0.6	0.2	1.0	1.7
Quackgrass	4	0.2	5.0	<0.1	1.0	1.0	1.0	1.5
Barnyardgrass	2	0.5	25.0	0.1	4.0	4.0	4.0	1.3
Volunteer corn	2	0.3	15.0	<0.1	0.8	0.8	0.8	0.9
Ragweed	2	0.2	10.0	<0.1	2.4	2.4	2.4	0.9
Smartweed	2	0.1	5.0	<0.1	2.6	2.6	2.6	0.8
Volunteer flax	2	0.1	5.0	0.1	3.0	3.0	3.0	0.8
Common dandelion	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.7
Weed free	22	6.4	28.7	—	—	—	—	—

Table 114. Towner County weed infestations based on 32 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	78.6	78.6	40.6	40.6	1.6	169.6	206.7
Wild buckwheat	72	27.5	38.3	2.3	3.2	0.2	11.2	56.8
Wild oats	72	25.2	35.0	2.8	3.9	0.2	16.6	55.6
Redroot pigweed	59	18.0	30.3	1.4	2.4	0.2	5.8	41.1
Wild mustard	66	15.2	23.1	1.0	1.5	0.2	5.6	39.4
Canada thistle	44	10.5	23.9	1.0	2.4	0.2	12.8	27.5
Nightflowering catchfly	34	11.7	34.1	1.5	4.4	0.4	16.2	26.7
Common lambsquarters	38	7.7	20.4	0.7	1.9	0.2	13.0	21.8
Russian thistle	31	7.5	24.0	0.7	2.1	0.2	5.0	19.5
Prostrate pigweed	28	5.2	18.3	0.4	1.4	0.2	4.8	15.5
Kochia	28	4.1	14.4	0.2	0.8	0.2	2.0	14.0
Field pennycress	19	2.5	13.3	0.1	0.6	0.4	1.0	9.0
Perennial sowthistle	9	2.5	26.7	0.3	3.1	0.2	7.0	6.3
Wild rose	13	0.8	6.3	<0.1	0.3	0.2	0.4	5.0
Field bindweed	6	1.1	17.5	<0.1	0.7	0.6	0.8	3.3
Greenflower pepperweed	3	1.7	55.0	0.1	4.8	4.8	4.8	3.1
Common cocklebur	6	0.3	5.0	<0.1	0.3	0.2	0.4	2.4
Common purslane	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Marshelder	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Dwarf mallow	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Weed free	31	6.1	19.5	—	—	—	—	—

Table 115. Trail County weed infestations based on 31 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	97	55.3	57.2	17.9	18.5	0.4	60.6	129.3
Yellow foxtail	77	38.4	49.6	12.2	15.7	0.2	78.6	92.6
Wild oats	58	22.9	39.4	5.5	9.4	0.6	46.4	55.0
Wild buckwheat	61	16.0	26.1	1.9	3.1	0.2	28.8	40.9
Redroot pigweed	48	12.6	26.0	1.6	3.3	0.2	15.4	32.4
Prostrate spurge	52	11.3	21.9	1.0	1.9	0.2	7.2	30.8
Wild mustard	26	7.1	27.5	0.5	1.8	0.2	5.6	16.8
Common lambsquarters	23	2.9	12.9	0.2	1.0	0.2	2.6	11.0
Quackgrass	10	2.9	30.0	0.8	7.9	3.0	17.0	7.9
Canada thistle	13	1.9	15.0	0.3	2.0	0.2	7.2	6.8
Ragweed	10	0.6	6.7	<0.1	0.5	0.2	0.8	4.0
Kochia	6	1.6	25.0	0.1	1.1	0.2	2.0	3.9
Greenflower pepperweed	3	1.6	50.0	0.2	6.6	6.6	6.6	3.2
Volunteer soybean	3	1.8	55.0	0.1	3.2	3.2	3.2	3.1
Perennial sowthistle	6	0.6	10.0	<0.1	0.5	0.2	0.8	2.9
Volunteer sunflower	6	0.5	7.5	<0.1	0.3	0.2	0.4	2.7
Common milkweed	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.5
Wild vetch	3	0.6	20.0	<0.1	0.8	0.8	0.8	1.8
Barnyardgrass	3	0.3	10.0	<0.1	1.4	1.4	1.4	1.5
Smartweed	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Wild rose	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Clover	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.4
Volunteer wheat	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.4
Field pennycress	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Russian thistle	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Weed free	52	18.9	36.6	—	—	—	—	—

Table 116. Walsh County weed infestations based on 43 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	98	96.4	98.7	81.6	83.5	3.2	358.6	319.3
Wild oats	84	54.1	64.6	8.4	10.0	0.4	59.4	101.6
Wild buckwheat	86	55.3	64.3	6.2	7.2	0.4	31.6	98.5
Redroot pigweed	77	39.5	51.5	5.2	6.7	0.2	35.2	77.1
Wild mustard	49	25.8	52.9	2.1	4.4	0.2	15.6	47.1
Nightflowering catchfly	28	14.1	50.4	2.0	7.1	0.8	31.6	28.0
Yellow foxtail	21	11.0	52.8	2.1	9.8	0.4	27.2	22.8
Canada thistle	23	10.0	43.0	1.3	5.6	0.2	23.0	20.8
Common lambsquarters	26	6.0	23.6	0.5	2.1	0.2	10.8	15.9
Kochia	14	4.9	35.0	0.3	2.0	0.2	6.8	10.2
Russian thistle	14	3.5	25.0	0.2	1.6	0.2	7.4	8.7
Large crabgrass	7	5.1	73.3	0.3	4.7	3.4	6.2	8.2
Volunteer sunflower	7	2.4	35.0	0.1	1.9	1.0	3.0	5.1
Field pennycress	7	1.5	21.7	0.1	1.3	1.0	1.6	4.0
Common milkweed	5	0.8	17.5	0.1	2.1	1.2	3.0	2.6
Wild rose	5	0.3	7.5	0.1	1.1	1.0	1.2	2.0
Quackgrass	2	0.3	15.0	0.1	3.4	3.4	3.4	1.3
Perennial sowthistle	2	0.2	10.0	<0.1	0.8	0.8	0.8	1.1
Roundleaf mallow	2	0.2	10.0	<0.1	0.4	0.4	0.4	1.0
Weed free	5	0.5	10.0	—	—	—	—	—

Table 117. Ward County weed infestations based on 44 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	91	79.7	87.6	53.6	59.0	2.4	255.2	235.0
Wild oats	61	19.2	31.3	2.3	3.8	0.6	39.6	45.1
Redroot pigweed	41	13.5	33.1	1.2	3.0	0.2	13.2	30.0
Wild buckwheat	30	12.5	42.3	1.3	4.4	0.8	20.0	25.4
Common lambsquarters	20	6.8	33.3	0.4	2.1	0.4	5.4	14.6
Wild mustard	16	4.8	30.0	0.3	1.9	0.4	6.6	10.8
Kochia	16	4.1	25.7	0.3	1.9	0.2	8.8	10.1
Volunteer sunflower	14	1.0	7.5	0.1	0.4	0.2	0.8	5.7
Barnyardgrass	9	2.0	22.5	0.1	1.1	0.2	1.6	5.3
Wild rose	11	1.1	10.0	0.1	0.6	0.4	1.0	5.1
Large crabgrass	5	1.1	25.0	0.1	1.3	0.4	2.2	2.8
Field bindweed	2	1.1	50.0	0.2	10.0	10.0	10.0	2.4
Field pennycress	5	0.2	5.0	< 0.1	0.2	0.2	0.2	1.8
Russian thistle	2	0.8	35.0	< 0.1	2.2	2.2	2.2	1.7
Prickly lettuce	2	0.5	20.0	0.1	2.4	2.4	2.4	1.3
Canada thistle	2	0.3	15.0	0.1	3.2	3.2	3.2	1.3
Prostrate pigweed	2	0.3	15.0	< 0.1	0.6	0.6	0.6	1.1
Weed free	27	8.9	32.5	—	—	—	—	—

Table 118. Wells County weed infestations based on 38 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	87.4	87.4	61.3	61.3	2.8	264.8	263.6
Redroot pigweed	68	22.5	32.9	2.6	3.8	0.2	13.2	51.4
Wild oats	58	23.3	40.2	3.4	5.9	0.2	30.2	50.5
Wild buckwheat	63	21.3	33.7	2.0	3.1	0.2	10.4	47.0
Yellow foxtail	37	14.1	38.2	5.5	15.1	0.6	146.4	39.3
Wild mustard	45	12.8	28.5	1.8	4.1	0.4	34.6	31.9
Russian thistle	47	11.3	23.9	1.5	3.1	0.2	14.6	30.6
Common lambsquarters	45	10.4	23.2	1.0	2.3	0.2	9.2	27.7
Field bindweed	34	12.0	35.0	1.7	5.0	0.2	15.0	27.3
Kochia	50	8.3	16.6	0.7	1.5	0.2	10.8	26.7
Prostrate spurge	26	2.0	7.5	0.2	0.6	0.2	3.0	11.1
Canada thistle	16	2.0	12.5	0.3	2.2	0.2	5.8	8.0
Field pennycress	18	1.7	9.3	0.1	0.5	0.2	1.0	8.0
Volunteer sunflower	8	2.9	36.7	0.8	10.3	0.2	29.0	7.4
Perennial sowthistle	18	0.9	5.0	0.1	0.3	0.2	0.6	7.2
Prostrate pigweed	13	1.8	14.0	0.2	1.3	0.2	4.0	6.6
Common purslane	11	1.3	12.5	0.1	1.3	0.2	3.8	5.1
Flixweed	5	1.7	32.5	0.2	3.2	0.4	6.0	3.9
Dwarf mallow	8	0.8	10.0	< 0.1	0.5	0.2	1.0	3.5
Quackgrass	8	0.5	6.7	0.1	0.9	0.4	1.6	3.3
Common cocklebur	8	0.4	5.0	< 0.1	0.3	0.2	0.4	3.1
Barnyardgrass	5	0.9	17.5	0.1	2.0	1.4	2.6	2.9
Greenflower pepperweed	5	0.7	12.5	< 0.1	0.6	0.4	0.8	2.5
Nightflowering catchfly	5	0.4	7.5	< 0.1	0.4	0.2	0.6	2.2
Skeleton weed	5	0.3	5.0	< 0.1	0.2	0.2	0.2	2.0
Wild barley	3	0.5	20.0	< 0.1	1.4	1.4	1.4	1.5
Ragweed	3	0.1	5.0	< 0.1	0.2	0.2	0.2	1.0
Wild rose	3	0.1	5.0	< 0.1	0.6	0.6	0.6	1.0
Weed free	32	7.8	24.6	—	—	—	—	—

Table 119. Williams County weed infestations based on 35 surveyed fields, 1979.

Weed species	Weed Frequency (%)	Field Uniformity Per cent		Weed Density Plants/M <sup>2</sup>		Density Range Plants/M <sup>2</sup>		Weed Index
		All	Inf.	All	Inf.	Low	Hi	
Green foxtail	100	85.3	85.3	67.7	67.7	0.2	292.2	276.7
Redroot pigweed	71	21.6	30.2	7.1	9.9	0.2	184.0	61.8
Wild oats	54	21.1	38.9	5.0	9.3	0.2	36.4	51.0
Wild buckwheat	54	14.6	26.8	1.0	1.8	0.2	6.4	34.9
Common lambsquarters	40	8.4	21.1	0.7	1.7	0.2	8.4	23.4
Prostrate pigweed	31	6.4	20.5	0.4	1.3	0.2	5.4	17.9
Russian thistle	31	6.4	20.5	0.4	1.2	0.2	3.4	17.8
Field bindweed	17	4.3	25.0	0.6	3.3	0.2	15.0	11.3
Wild mustard	20	3.3	16.4	0.2	1.1	0.2	3.2	10.4
Common purslane	9	2.7	31.7	1.6	18.7	0.2	51.8	9.3
Flixweed	20	2.1	10.7	0.1	0.6	0.2	1.6	9.1
Field pennycress	17	2.1	12.5	0.1	0.6	0.2	1.2	8.1
Kochia	14	2.6	18.0	0.2	1.1	0.2	2.8	7.7
Nightflowering catchfly	14	1.7	12.0	0.1	0.5	0.2	1.4	6.6
Canada thistle	11	1.4	12.5	0.3	2.5	1.6	3.4	5.9
Wild rose	11	1.3	11.2	0.2	1.5	0.2	4.2	5.5
Perennial sowthistle	9	1.7	20.0	0.2	2.0	0.8	4.4	5.0
Common dandelion	3	1.3	45.0	0.1	3.4	3.4	3.4	2.5
Prostrate spurge	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.2
Greenflower pepperweed	3	0.4	15.0	<0.1	1.4	1.4	1.4	1.5
Common cocklebur	3	0.4	15.0	<0.1	1.0	1.0	1.0	1.4
Yellow foxtail	3	0.1	5.0	0.1	2.6	2.6	2.6	1.3
Knotweeds	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.3
Wild vetch	3	0.3	10.0	<0.1	1.0	1.0	1.0	1.3
Dock	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.3
Silver cinquefoil	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.1
Marshelder	3	0.1	5.0	<0.1	0.4	0.4	0.4	1.1
Volunteer sunflower	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.1
Volunteer rye	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.1
Waterpod	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.1
Weed free	23	2.3	10.0	<—	—	—	—	—

Table 120. Weed frequency and density (infested fields) of the 11 weeds with the largest weed index in 259 semidwarf and 348 normal height wheat fields in 1979 and in 86 semidwarf and 113 normal height wheat fields in 1978.

Weed	Semidwarf Wheat			Weed	Normal Height Wheat		
	Weed Freq (%)	Weed Density (PL/M <sup>2</sup> )	Weed Index		Weed Freq (%)	Weed Density (PL/M <sup>2</sup> )	Weed Index
<b>1979</b>							
Green foxtail	94	71.0	269	Green foxtail	95	79.9	295
Wild oats	73	8.9	73	Wild buckwheat	76	4.3	64
Redroot pigweed	68	7.4	60	Redroot pigweed	74	6.8	63
Wild buckwheat	72	4.0	59	Wild oats	63	8.1	62
Yellow foxtail	32	28.2	48	Yellow foxtail	24	25.9	36
Wild mustard	40	2.8	27	Russian thistle	40	6.6	33
Common lambsquarters	32	3.4	21	Common lambsquarters	44	3.9	32
Russian thistle	29	3.5	20	Wild mustard	44	4.3	32
Kochia	20	4.6	14	Kochia	28	2.7	17
Canada thistle	20	2.4	12	Field bindweed	19	6.0	15
Field bindweed	13	7.1	11	Canada thistle	18	2.5	11
Weed free	18	—	—	Weed free	14	—	—
<b>1978</b>							
Green foxtail	97	59.7	252	Green foxtail	100	44.7	231
Wild oats	87	9.8	92	Wild oats	65	11.4	66
Wild buckwheat	45	4.4	38	Wild buckwheat	63	4.1	51
Redroot pigweed	48	3.3	36	Redroot pigweed	62	4.1	46
Yellow foxtail	22	14.5	25	Yellow foxtail	12	23.5	17