

Table 15. Adams County weed infestations based on 15 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	
Yellow foxtail	80	58.3	72.9	36.8	46.0	0.4	156.0	170.8
Wild oats	87	61.7	71.2	16.3	18.8	3.0	40.8	128.6
Redroot pigweed	80	18.3	22.9	3.5	4.4	0.2	35.8	53.2
Wild buckwheat	53	16.0	30.0	1.7	3.2	0.2	7.2	37.6
Russian thistle	33	11.0	33.0	2.7	8.0	0.4	18.6	28.3
Volunteer sunflower	20	7.3	36.7	2.9	14.6	0.2	42.8	20.8
Kochia	33	7.7	23.0	0.9	2.6	0.2	6.8	20.8
Field bindweed	20	8.0	40.0	2.5	12.7	2.6	23.6	20.5
Green foxtail	7	4.3	65.0	1.4	20.4	20.4	20.4	9.7
Wild rose	13	1.7	12.5	0.3	2.5	1.4	3.6	6.9
Barnyardgrass	7	1.7	25.0	0.2	2.6	2.6	2.6	4.3
Perennial sowthistle	7	0.7	10.0	<0.1	0.6	0.6	0.6	3.0
Wild mustard	7	0.7	10.0	0.1	1.0	1.0	1.0	3.0
Prickly lettuce	7	0.7	10.0	<0.1	0.4	0.4	0.4	3.0
Common lambsquarters	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Weed free	27	5.3	20.0	—	—	—	—	—

Table 16. Barnes County weed infestations based on 48 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	100	87.5	87.5	84.5	84.5	6.6	221.2	318.1
Wild oats	56	16.1	28.7	3.6	6.4	0.2	44.6	43.3
Wild buckwheat	48	14.7	30.7	1.6	3.3	0.2	11.2	34.4
Redroot pigweed	25	7.3	29.2	0.9	3.7	0.4	16.2	17.8
Volunteer sunflower	25	6.7	26.7	1.1	4.6	0.2	30.2	17.7
Russian thistle	27	3.6	13.5	0.7	2.4	0.2	23.2	14.2
Kochia	25	4.2	16.7	0.5	1.8	0.2	8.2	13.6
Barnyardgrass	10	1.9	18.0	0.8	7.5	1.0	27.0	7.2
Common lambsquarters	13	2.2	17.5	0.3	2.4	0.2	9.4	7.0
Perennial sowthistle	13	1.5	11.7	0.3	2.1	0.2	4.4	6.2
Prostrate pigweed	10	2.1	20.0	0.2	2.4	0.2	5.2	6.1
Wild mustard	8	1.5	17.5	0.2	2.0	0.2	6.2	4.6
Canada thistle	8	1.0	12.5	0.2	2.1	0.6	3.8	4.2
Nightflowering catchfly	6	1.9	30.0	0.1	1.7	0.8	2.8	4.2
Wild barley	6	1.4	21.7	0.2	3.6	3.0	4.2	4.0
Common milkweed	4	1.0	25.0	0.1	2.7	1.8	3.6	2.7
Quackgrass	4	0.3	7.5	<0.1	0.8	0.6	1.0	1.8
Wild rose	4	0.3	7.5	<0.1	0.6	0.2	1.0	1.8
Prickly lettuce	2	0.2	10.0	<0.1	1.6	1.6	1.6	1.0
Wild mint	2	0.2	10.0	<0.1	0.4	0.4	0.4	0.9
Field bindweed	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Hedge bindweed	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8

Table 17. Benson County weed infestations based on 38 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	100	96.6	96.6	82.0	82.0	3.2	352.8	321.2
Redroot pigweed	87	45.5	52.4	7.9	9.0	0.2	52.2	92.8
Wild oats	84	46.4	55.2	6.9	8.2	0.2	33.8	90.7
Wild buckwheat	84	46.8	55.6	4.0	4.7	0.6	11.8	84.2
Russian thistle	58	21.2	36.6	5.1	8.8	0.2	45.2	52.4
Common lambsquarters	42	20.0	47.5	2.6	6.1	0.2	30.2	40.1
Kochia	39	14.9	37.7	1.8	4.5	0.4	18.4	32.2
Nightflowering catchfly	34	13.6	39.6	1.7	4.9	0.2	19.2	28.8

Table 17 (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 mustard	29	12.5	43.2	1.6	5.6	0.6	21.4	25.9
Yellow foxtail	3	2.2	85.0	2.9	108.4	108.4	108.4	9.8
Roundleaf mallow	8	2.1	26.7	0.2	3.1	0.2	5.8	5.3
Canada thistle	8	1.4	18.3	0.2	2.6	1.2	3.6	4.6
Flixweed	5	1.6	30.0	0.1	2.3	2.2	2.4	3.6
Prostrate pigweed	3	1.7	65.0	0.1	4.4	4.4	4.4	2.9
Quackgrass	3	1.3	50.0	0.3	10.0	10.0	10.0	2.8
Wild rose	5	0.8	15.0	0.1	1.6	0.4	2.8	2.7
Skeleton weed	3	1.3	50.0	0.1	5.0	5.0	5.0	2.5
Downy brome	3	0.8	30.0	0.1	3.6	3.6	3.6	1.9
Perennial sowthistle	3	0.4	15.0	<0.1	0.8	0.8	0.8	1.3
Barnyardgrass	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0

Table 18. Billings County weed infestations based on 5 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	80	60.0	75.0	17.1	21.4	5.6	33.0	126.6
Wild buckwheat	80	17.0	21.2	1.6	1.9	0.4	4.6	47.3
Wild oats	60	11.0	18.3	1.0	1.7	0.2	3.4	33.4
Common lambsquarters	40	11.0	27.5	0.8	2.1	0.6	3.6	26.3
Russian thistle	40	3.0	7.5	0.1	0.3	0.2	0.4	16.6
Volunteer sunflower	20	5.0	25.0	0.4	1.8	1.8	1.8	12.5
Common purslane	20	2.0	10.0	0.2	0.8	0.8	0.8	9.0
Common chickweed	20	2.0	10.0	0.2	0.8	0.8	0.8	9.0
Redroot pigweed	20	2.0	10.0	0.1	0.4	0.4	0.4	8.9
Yellow foxtail	20	1.0	5.0	0.1	0.6	0.6	0.6	7.9
Quackgrass	20	1.0	5.0	0.1	0.4	0.4	0.4	7.9
Skeleton weed	20	1.0	5.0	<0.1	0.2	0.2	0.2	7.8
Weed free	80	23.0	28.7	—	—	—	—	—

Table 19. Bottineau County weed infestations based on 44 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	100	100.0	100.0	30.3	30.3	13.2	49.0	204.0
Wild oats	100	91.9	91.9	20.9	20.9	2.6	94.8	174.0
Kochia	64	45.2	71.1	5.0	7.9	0.2	44.2	78.1
Perennial sowthistle	59	39.0	66.0	3.2	5.3	2.2	12.0	66.0
Canada thistle	45	27.7	61.0	2.1	4.5	1.0	9.2	47.7
Common lambsquarters	34	24.1	70.7	1.9	5.7	2.0	11.2	40.0
Wild mustard	36	18.3	50.3	1.2	3.3	1.2	8.6	33.2
Volunteer sunflower	30	15.6	52.7	1.0	3.4	1.6	8.2	27.7
Russian thistle	27	15.1	55.4	1.5	5.4	1.4	19.8	27.7
Field bindweed	25	15.0	60.0	1.1	4.3	1.4	9.0	25.9
Redroot pigweed	20	15.9	77.8	1.2	5.8	3.0	8.8	25.5
Quackgrass	9	8.0	87.5	1.0	10.5	3.6	18.4	13.2
Wild buckwheat	5	3.5	77.5	0.5	10.0	3.6	16.4	6.1
Volunteer barley	5	2.8	62.5	0.4	8.1	7.6	8.6	5.2
Barnyardgrass	2	2.3	100.0	0.3	12.6	12.6	12.6	3.7
Smartweed	2	1.6	70.0	0.2	9.4	9.4	9.4	2.8

Table 20. Bowman County weed infestations based on 15 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	
Yellow foxtail	87	54.0	62.3	25.5	29.4	0.2	94.2	142.3
Wild oats	80	43.3	54.2	13.1	16.4	0.2	54.8	100.6
Wild buckwheat	73	42.0	57.3	7.3	10.0	0.4	31.0	83.6
Redroot pigweed	67	24.0	36.0	5.5	8.3	0.6	58.6	59.1
Russian thistle	47	9.3	20.0	0.9	1.9	0.2	8.4	26.9
Volunteer sunflower	40	10.3	25.8	0.6	1.5	0.2	4.2	25.1
Common cocklebur	20	6.7	33.3	2.0	9.8	0.2	26.4	17.9
Kochia	33	5.0	15.0	0.5	1.6	0.2	3.6	17.4
Barnyardgrass	13	3.3	25.0	1.2	8.8	0.6	17.0	10.5
Common lambsquarters	13	2.0	15.0	0.1	0.6	0.4	0.8	6.6
Wild mustard	7	3.3	50.0	0.4	6.2	6.2	6.2	6.5
Common purslane	13	1.3	10.0	0.1	0.4	0.4	0.4	5.9
Canada thistle	13	1.0	7.5	0.1	0.8	0.4	1.2	5.7
Prickly lettuce	13	1.0	7.5	<0.1	0.3	0.2	0.4	5.5
Volunteer tame oats	13	0.7	5.0	<0.1	0.3	0.2	0.4	5.2
Horsetail	7	0.7	10.0	0.1	0.8	0.8	0.8	3.0
Green foxtail	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Prostrate pigweed	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Common dandelion	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Nightflowering catchfly	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Weed free	33	5.7	17.0	—	—	—	—	—

Table 21. Burke County weed infestations based on 21 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	95	64.0	67.2	5.9	6.2	0.4	15.2	109.7
Redroot pigweed	43	16.7	38.9	2.6	6.1	0.2	21.6	37.0
Wild buckwheat	33	7.4	22.1	0.4	1.2	0.2	2.6	19.4
Kochia	29	6.9	24.2	0.4	1.2	0.2	2.8	17.3
Wild mustard	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Wild oats	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	81	25.7	31.8	—	—	—	—	—

Table 22. Burleigh County weed infestations based on 26 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	100	95.5	95.5	21.1	21.1	4.4	44.0	178.1
Wild buckwheat	88	64.2	72.6	9.5	10.8	3.2	25.8	115.9
Wild oats	38	18.3	47.5	1.7	4.5	1.6	6.2	35.1
Perennial sowthistle	23	9.0	39.2	0.8	3.3	1.8	5.4	18.5
Muskthistle	4	1.5	40.0	0.1	3.0	3.0	3.0	3.1

Table 23. Cass County weed infestations based on 39 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	100	67.3	67.3	4.7	4.7	1.4	16.8	111.5
Redroot pigweed	85	50.0	59.1	3.4	4.1	0.8	6.8	86.2
Yellow foxtail	59	24.1	40.9	2.0	3.3	0.4	28.8	48.4
Wild oats	82	18.1	22.0	0.9	1.2	0.2	3.8	47.6
Common lambsquarters	69	12.4	18.0	0.7	1.0	0.2	4.4	37.2
Kochia	74	8.7	11.7	0.4	0.6	0.2	4.2	34.5
Ragweed	59	10.5	17.8	0.6	1.0	0.2	5.4	31.6
Russian thistle	49	5.6	11.6	0.4	0.8	0.2	10.2	22.8
Wild buckwheat	8	1.2	15.0	0.1	1.0	0.2	2.6	3.9
Marshelder	3	0.8	30.0	<0.1	1.8	1.8	1.8	1.7
Common milkweed	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Volunteer sunflower	3	0.1	5.0	<0.1	0.4	0.4	0.4	1.0
Garrison creeping foxtail	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0

Table 24. Cavalier County weed infestations based on 46 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	100	97.9	97.9	63.8	63.8	9.4	166.6	280.2
Wild oats	80	44.1	54.9	9.2	11.4	0.4	63.0	92.3
Wild buckwheat	93	47.2	50.5	4.4	4.7	0.2	28.2	88.5
Redroot pigweed	65	37.1	56.8	5.3	8.2	0.4	45.0	71.2
Nightflowering catchfly	54	22.7	41.8	2.9	5.4	0.4	23.8	47.7
Common lambsquarters	39	14.3	36.7	1.2	3.1	0.4	10.0	30.2
Russian thistle	22	8.7	40.0	1.7	7.9	0.2	31.4	19.9
Wild mustard	24	9.2	38.6	0.8	3.4	0.4	9.6	19.1
Smartweed	13	7.2	55.0	1.0	7.7	0.8	21.0	13.9
Canada thistle	17	5.0	28.7	0.5	2.9	0.8	10.6	12.0
Sandbur	15	4.7	30.7	0.5	3.3	0.2	15.6	10.9
Prostrate pigweed	7	3.8	58.3	0.8	12.0	2.4	29.4	7.8
Kochia	9	2.0	22.5	0.1	1.3	0.2	2.2	5.1
Barnyardgrass	2	1.8	85.0	0.6	27.4	27.4	27.4	4.0
Common cocklebur	2	1.2	55.0	0.1	5.2	5.2	5.2	2.2
Skeleton weed	2	0.8	35.0	<0.1	1.8	1.8	1.8	1.6
Common chickweed	2	0.8	35.0	0.1	3.2	3.2	3.2	1.6
Quackgrass	2	0.4	20.0	0.1	5.0	5.0	5.0	1.4
Wild rose	2	0.4	20.0	<0.1	1.0	1.0	1.0	1.2
Perennial sowthistle	2	0.3	15.0	<0.1	0.8	0.8	0.8	1.1
Volunteer sunflower	2	0.2	10.0	<0.1	0.4	0.4	0.4	1.0
Roundleaf mallow	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Weed free	2	0.5	25.0	—	—	—	—	—

Table 25. Dickey County weed infestations based on 29 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	100	91.8	91.8	40.6	40.6	7.4	136.8	286.5
Wild buckwheat	90	54.3	60.6	12.3	13.8	0.2	62.0	113.0
Common lambsquarters	79	32.9	41.5	6.9	8.7	0.6	76.4	75.5
Wild oats	76	29.7	39.1	4.8	6.3	1.6	28.0	66.1
Kochia	31	22.1	71.1	10.4	33.5	3.2	99.6	56.7
Canada thistle	17	9.0	52.0	1.4	8.0	2.4	13.0	17.9
Redroot pigweed	17	5.5	32.0	0.5	2.8	1.4	4.8	12.4
Wild geranium	10	2.1	20.0	0.3	2.7	0.2	7.0	6.2
Wild barley	10	1.9	18.3	0.1	1.4	1.4	1.4	5.7
Barnyardgrass	7	2.1	30.0	0.5	6.8	6.4	7.2	5.5

Table 25 (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	3	2.4	70.0	0.5	15.0	15.0	15.0	4.8
Perennial sowthistle	7	1.7	25.0	0.2	2.7	0.6	4.8	4.5
Wild mustard	7	0.7	10.0	0.1	0.8	0.4	1.2	3.1
Silver cinquefoil	3	1.2	35.0	0.1	2.6	2.6	2.6	2.6
Ragweed	3	0.3	10.0	<0.1	1.0	1.0	1.0	1.6
Weed free	3	0.2	5.0	—	—	—	—	—

Table 26. Divide County weed infestations based on 22 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	100	74.1	74.1	8.6	8.6	1.0	27.4	127.6
Wild buckwheat	50	10.7	21.4	0.7	1.4	0.2	8.4	28.9
Redroot pigweed	50	9.8	19.5	0.6	1.1	0.2	2.6	27.8
Wild oats	9	3.4	37.5	0.4	4.6	0.8	8.4	7.4
Field bindweed	9	2.5	27.5	0.1	1.5	0.4	2.6	5.8
Kochia	5	0.7	15.0	<0.1	0.8	0.8	0.8	2.3
Nightflowering catchfly	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	64	17.5	27.5	—	—	—	—	—

Table 27. Dunn County weed infestations based on 16 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	81	49.1	60.4	17.7	21.8	0.4	78.2	117.4
Wild oats	100	35.3	35.3	7.7	7.7	0.2	54.6	86.6
Redroot pigweed	81	23.4	28.8	2.2	2.7	0.6	7.0	55.7
Wild buckwheat	44	6.3	14.3	0.4	1.0	0.2	2.0	21.8
Kochia	44	4.7	10.7	0.3	0.7	0.2	2.2	19.9
Common lambsquarters	38	5.6	15.0	0.4	1.1	0.2	5.0	19.1
Wild mustard	19	3.7	20.0	0.4	2.3	0.2	6.6	11.0
Yellow foxtail	25	1.9	7.5	0.2	0.8	0.2	1.2	10.6
Russian thistle	19	3.1	16.7	0.3	1.7	0.2	4.2	10.1
Common cocklebur	13	0.9	7.5	0.1	0.5	0.2	0.8	5.3
Wild rose	6	2.5	40.0	0.3	5.0	5.0	5.0	5.3
Skeleton weed	6	0.9	15.0	0.1	1.0	1.0	1.0	3.2
Perennial sowthistle	6	0.6	10.0	<0.1	0.6	0.6	0.6	2.8
Common purslane	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.4
Quackgrass	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.4
Weed free	63	20.3	32.5	—	—	—	—	—

Table 28. Eddy County weed infestations based on 14 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	100	89.4	89.4	27.2	27.2	6.8	47.4	186.2
Wild buckwheat	71	47.5	66.5	7.6	10.6	4.4	16.6	89.0
Perennial sowthistle	57	25.7	45.0	2.7	4.8	2.0	7.6	51.2
Wild oats	43	18.2	42.5	2.1	4.8	3.8	5.8	37.3
Common lambsquarters	14	5.7	40.0	0.6	4.5	3.2	5.8	12.0
Russian thistle	14	4.6	32.5	0.3	2.3	2.0	2.6	10.2

Table 29. Emmons County weed infestations based on 31 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	106	97.6	91.7	55.5	52.2	0.2	376.4	262.6
Russian thistle	94	42.4	45.3	9.2	9.8	0.2	51.8	95.1
Wild buckwheat	94	46.0	49.1	4.9	5.3	0.2	33.2	88.7
Field bindweed	58	23.9	41.1	5.6	9.6	0.4	36.0	56.3
Common lambsquarters	81	18.9	23.4	1.4	1.7	0.2	6.0	49.0
Wild mustard	58	21.3	36.7	2.1	3.6	0.2	15.0	45.6
Redroot pigweed	77	13.1	16.9	1.7	2.1	0.2	31.8	42.7
Yellow foxtail	55	16.5	30.0	3.0	5.5	0.2	19.2	41.7
Wild oats	58	18.2	31.4	1.4	2.4	0.2	10.8	40.9
Volunteer sunflower	39	6.3	16.2	0.4	1.0	0.2	4.4	20.1
Ragweed	13	2.9	22.5	0.4	3.3	0.8	9.8	8.2
Wild rose	13	1.9	15.0	0.2	1.3	0.2	2.6	6.6
Skeleton weed	6	1.6	25.0	0.5	8.0	1.4	14.6	5.0
Kochia	10	1.5	15.0	0.1	0.7	0.2	1.0	4.8
Prostrate pigweed	10	0.6	6.7	<0.1	0.4	0.2	0.6	4.0
Hedge bindweed	6	0.6	10.0	<0.1	0.5	0.4	0.6	2.9
Horseweed	3	1.1	35.0	0.1	3.6	3.6	3.6	2.5
Prickly lettuce	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.5
Common cocklebur	3	0.5	15.0	<0.1	1.4	1.4	1.4	1.7
Perennial sowthistle	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Canada thistle	3	0.2	5.0	0.1	2.0	2.0	2.0	1.4
Barnyardgrass	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Field pennycress	3	0.2	5.0	<0.1	0.6	0.6	0.6	1.3
Weed free	6	0.3	5.0	—	—	—	—	—

Table 30. Foster County weed infestations based on 19 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	100	95.0	95.0	27.6	27.6	8.4	46.2	192.7
Wild buckwheat	63	45.0	71.2	6.3	10.0	3.4	21.6	80.7
Perennial sowthistle	47	19.2	40.6	1.6	3.4	1.4	5.6	38.7
Common lambsquarters	37	13.9	37.9	1.0	2.8	1.4	4.0	28.6
Wild oats	32	14.5	45.8	1.5	4.8	0.4	8.2	28.5

Table 31. Golden Valley County weed infestations based on 9 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	100	63.9	63.9	29.8	29.8	7.0	62.4	166.9
Wild oats	89	36.7	41.2	4.2	4.7	0.8	8.4	76.0
Redroot pigweed	89	22.8	25.6	1.5	1.7	0.4	6.0	56.0
Wild buckwheat	56	19.4	35.0	3.4	6.2	0.4	13.2	45.9
Kochia	44	2.8	6.3	0.1	0.3	0.2	0.6	17.9
Russian thistle	33	2.8	8.3	0.2	0.6	0.2	1.4	14.4
Volunteer sunflower	22	5.6	25.0	0.5	2.1	1.8	2.4	14.1
Field bindweed	11	6.1	55.0	1.6	14.0	14.0	14.0	13.4
Common lambsquarters	22	1.1	5.0	<0.1	0.2	0.2	0.2	8.6
Wild rose	11	1.1	10.0	0.1	1.2	1.2	1.2	5.1
Yellow foxtail	11	1.1	10.0	<0.1	0.4	0.4	0.4	4.9
Skeleton weed	11	0.6	5.0	<0.1	0.2	0.2	0.2	4.3
Weed free	78	20.0	25.7	—	—	—	—	—

Table 32. Grand Forks County weed infestations based on 47 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	100	95.1	95.1	103.5	103.5	2.6	392.0	369.9
Wild oats	89	37.7	42.1	6.4	7.1	0.2	57.0	82.3
Kochia	47	13.3	28.4	1.9	4.2	0.2	23.4	33.4
Redroot pigweed	47	12.2	26.1	1.0	2.2	0.2	8.2	30.2
Wild buckwheat	49	10.0	20.4	0.7	1.5	0.2	12.0	28.0
Prostrate pigweed	23	3.2	13.6	0.2	1.0	0.2	3.8	11.5
Russian thistle	19	1.9	10.0	0.1	0.6	0.2	2.8	8.6
Prickly lettuce	11	2.7	25.0	0.3	2.9	1.2	5.2	6.9
Volunteer sunflower	11	1.4	13.0	0.1	0.6	0.2	1.2	5.1
Barnyardgrass	9	0.9	10.0	0.1	1.1	0.4	2.4	3.9
Common lambsquarters	6	1.3	20.0	0.1	1.2	0.2	1.8	3.6
Canada thistle	6	0.3	5.0	0.1	1.5	0.2	3.0	2.7
Yellow foxtail	2	1.3	60.0	0.2	11.4	11.4	11.4	2.6
Common milkweed	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.5
Nightflowering catchfly	4	0.5	12.5	<0.1	0.6	0.6	0.6	2.0
Smartweed	2	0.7	35.0	0.1	4.0	4.0	4.0	1.7
Quackgrass	2	0.2	10.0	<0.1	1.2	1.2	1.2	1.0
Wild rose	2	0.2	10.0	<0.1	1.0	1.0	1.0	1.0
Field pennycress	2	0.2	10.0	<0.1	0.4	0.4	0.4	0.9
Wild mustard	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Clover	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Knotweeds	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8
Dock	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.8

Table 33. Grant County weed infestations based on 19 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	100	95.0	95.0	41.1	41.1	8.6	95.8	224.3
Field bindweed	68	24.5	35.8	6.7	9.9	0.6	39.2	63.0
Wild oats	58	27.1	46.8	4.8	8.3	0.2	29.4	57.6
Wild buckwheat	74	25.3	34.3	2.8	3.8	0.2	20.2	56.4
Russian thistle	63	21.1	33.3	3.3	5.3	0.2	24.6	49.9
Redroot pigweed	79	16.8	21.3	1.5	2.0	0.2	10.8	46.8
Volunteer sunflower	37	10.5	28.6	1.1	3.1	0.2	13.0	25.4
Common lambsquarters	47	6.3	13.3	0.4	0.9	0.2	3.6	23.1
Common cocklebur	11	5.5	52.5	0.8	7.5	3.4	11.6	10.9
Kochia	21	2.1	10.0	0.1	0.6	0.4	1.4	9.4
Wild mustard	16	1.8	11.7	0.1	0.7	0.2	1.0	7.4
Prostrate pigweed	16	1.1	6.7	0.1	0.4	0.2	0.6	6.5
Yellow foxtail	11	2.1	20.0	0.2	1.7	0.4	3.0	6.0
Prickly lettuce	11	1.3	12.5	0.1	0.7	0.6	0.8	5.0
Wild rose	5	1.8	35.0	0.4	8.0	8.0	8.0	4.6
Ragweed	11	0.8	7.5	0.1	0.5	0.2	0.8	4.4
Common milkweed	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.4

Table 34. Griggs County weed infestations based on 20 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	95	94.7	99.7	141.1	148.6	22.6	342.4	455.7
Wild oats	60	29.7	49.6	7.5	12.6	1.4	87.8	67.3
Wild buckwheat	70	22.7	32.5	2.1	3.0	0.4	9.6	50.9
Barnyardgrass	10	10.0	100.0	7.1	71.3	26.4	116.2	30.0
Russian thistle	55	6.0	10.9	0.3	0.5	0.2	1.6	25.0
Common lambsquarters	20	6.5	32.5	5.0	24.8	0.2	98.0	24.8

Table 34 (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	35	7.2	20.7	0.4	1.2	0.2	3.8	19.9
Nightflowering catchfly	15	7.5	50.0	0.7	4.5	0.4	10.6	14.1
Canada thistle	20	4.7	23.7	1.0	5.2	0.2	14.2	13.8
Clover	20	4.0	20.0	0.3	1.7	0.4	4.4	11.5
Wild mustard	10	4.7	47.5	1.1	10.7	0.8	20.6	10.6
Kochia	10	1.7	17.5	0.2	2.0	1.0	3.0	5.5
Volunteer sunflower	10	1.2	12.5	0.1	0.6	0.2	1.0	4.7
Quackgrass	10	0.7	7.5	0.1	1.2	0.2	2.2	4.4
Common milkweed	10	0.5	5.0	<0.1	0.2	0.2	0.2	3.9
Horseweed	5	0.7	15.0	0.2	3.8	3.8	3.8	2.9
Perennial sowthistle	5	0.7	15.0	0.1	2.2	2.2	2.2	2.7
Western snowberry	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.2
Wild rose	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Wild mint	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9

Table 35. Hettinger County weed infestations based on 20 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	
Yellow foxtail	85	58.5	68.8	30.4	35.8	0.2	91.6	157.8
Wild oats	90	40.7	45.3	11.1	12.4	0.2	66.6	96.7
Redroot pigweed	80	24.7	30.9	4.8	6.0	0.2	26.6	62.6
Wild buckwheat	80	22.0	27.5	2.7	3.4	0.2	12.4	55.0
Volunteer sunflower	30	12.7	42.5	3.5	11.6	0.4	40.8	30.9
Russian thistle	25	4.0	16.0	0.6	2.2	0.4	4.4	13.6
Common lambsquarters	20	1.5	7.5	0.1	0.3	0.2	0.4	8.3
Kochia	20	1.2	6.3	0.1	0.3	0.2	0.6	8.1
Green foxtail	10	2.5	25.0	0.5	4.6	0.4	8.8	6.9
Perennial sowthistle	15	1.2	8.3	<0.1	0.3	0.2	0.6	6.4
Common purslane	5	2.0	40.0	0.6	11.6	11.6	11.6	5.0
Field bindweed	10	0.7	7.5	0.2	1.9	0.6	3.2	4.5
Wild rose	5	1.2	25.0	0.5	10.0	10.0	10.0	4.1
Common chickweed	5	0.7	15.0	0.3	6.4	6.4	6.4	3.2
Barnyardgrass	5	0.5	10.0	0.4	8.2	8.2	8.2	3.1
Skeleton weed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Weed free	45	9.5	21.1	—	—	—	—	—

Table 36. Kidder County weed infestations based on 5 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	
Wild buckwheat	100	100.0	100.0	20.4	20.4	16.8	26.8	180.9
Green foxtail	100	81.5	81.5	14.2	14.2	1.8	42.0	148.0
Wild oats	60	16.0	26.7	1.0	1.6	0.8	2.6	38.2
Canada thistle	40	12.0	30.0	0.7	1.7	1.0	2.4	26.9
Common lambsquarters	20	5.0	25.0	0.3	1.6	1.6	1.6	12.4
Perennial sowthistle	20	2.0	10.0	0.1	0.4	0.4	0.4	8.9



Table 37. Lamoure 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	
Wild buckwheat	103	98.9	96.0	19.4	18.8	0.2	39.0	178.5
Green foxtail	100	84.7	84.7	24.5	24.5	1.8	127.8	175.2
Canada thistle	42	20.9	49.3	1.5	3.5	0.8	8.6	38.5
Wild oats	36	13.8	37.9	1.0	2.6	1.4	4.6	28.1
Perennial sowthistle	30	11.5	38.0	0.9	2.9	0.6	7.8	23.6
Common lambsquarters	30	11.4	37.5	0.8	2.6	0.4	5.2	23.3
Muskthistle	33	8.6	25.9	0.6	1.7	0.4	4.8	21.0
Kochia	12	3.6	30.0	0.3	2.3	0.6	6.2	8.3
Wild geranium	12	2.6	21.2	0.1	1.1	0.6	2.2	6.9
Russian thistle	6	1.1	17.5	0.1	0.9	0.8	1.0	3.2
Prostrate pigweed	3	0.5	15.0	<0.1	0.6	0.6	0.6	1.5
Redroot pigweed	3	0.5	15.0	<0.1	0.8	0.8	0.8	1.5

Table 38. Logan County weed infestations based on 19 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	100	93.6	93.6	22.1	22.1	2.4	67.4	178.5
Wild buckwheat	89	81.6	91.2	13.8	15.4	4.4	26.2	143.6
Canada thistle	32	16.6	52.5	1.5	4.7	3.0	6.6	30.6
Wild oats	37	10.0	27.1	0.6	1.6	0.2	3.2	23.7
Common lambsquarters	26	7.6	29.0	0.6	2.2	0.4	4.0	17.7
Kochia	16	9.2	58.3	0.9	5.6	1.8	10.4	16.5
Russian thistle	21	5.5	26.2	0.3	1.3	1.0	1.8	13.2
Wild geranium	11	1.6	15.0	0.1	0.8	0.6	1.0	5.3
Redroot pigweed	11	1.1	10.0	0.1	0.7	0.4	1.0	4.7

Table 39. McHenry County weed infestations based on 32 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	100	93.8	93.8	17.1	17.1	2.4	45.0	167.0
Wild oats	88	77.7	88.7	12.9	14.8	4.2	41.6	136.9
Wild buckwheat	34	23.7	69.1	2.4	6.9	2.8	20.8	40.8
Russian thistle	41	16.9	41.5	2.2	5.4	0.2	39.0	35.5
Bromegrass	31	15.6	50.0	2.4	7.6	2.6	41.8	31.6
Volunteer sunflower	47	7.5	16.0	0.4	0.8	0.2	3.0	24.0
Canada thistle	28	12.7	45.0	0.8	2.8	0.8	5.2	23.9
Kochia	25	11.6	46.2	0.8	3.1	1.4	6.2	21.7
Wild mustard	25	9.7	38.7	0.6	2.5	0.4	5.0	19.5
Perennial sowthistle	19	7.2	38.3	0.6	3.2	0.8	5.4	14.8
Smartweed	6	6.3	100.0	1.1	18.1	13.0	23.2	11.0
Common lambsquarters	6	5.2	82.5	1.6	25.9	5.6	46.2	11.0
Quackgrass	9	5.6	60.0	0.8	8.7	3.2	15.6	10.7
Needle & thread	9	5.6	60.0	0.5	5.7	2.6	11.0	10.0
Redroot pigweed	13	4.1	32.5	0.3	2.1	1.2	3.2	8.9
Ragweed	6	3.6	57.5	0.5	7.7	1.6	13.8	6.8
Common purslane	3	1.7	55.0	0.1	4.0	4.0	4.0	3.1
Downy brome	3	1.2	40.0	0.1	2.2	2.2	2.2	2.5
Volunteer barley	3	0.8	25.0	0.2	5.2	5.2	5.2	2.2
Prostrate pigweed	3	0.9	30.0	<0.1	1.4	1.4	1.4	2.1
Barnyardgrass	3	0.5	15.0	<0.1	0.8	0.8	0.8	1.6

Table 40. McIntosh County weed infestations based on 25 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	100	87.2	87.2	25.6	25.6	0.6	126.0	180.3
Wild buckwheat	56	44.0	78.6	8.9	15.9	2.4	38.6	83.4
Common lambsquarters	76	38.6	50.8	4.0	5.3	0.6	13.2	73.3
Wild oats	48	14.4	30.0	1.2	2.6	0.6	7.6	33.3
Canada thistle	20	16.6	83.0	2.2	10.8	6.0	15.6	28.3
Russian thistle	28	12.2	43.6	1.3	4.5	0.4	15.2	24.5
Kochia	16	6.6	41.2	0.5	3.0	1.6	3.8	13.1
Wild geranium	12	2.4	20.0	0.1	1.2	1.2	1.2	6.7
Redroot pigweed	4	0.8	20.0	<0.1	1.0	1.0	1.0	2.2

Table 41. McKenzie County weed infestations based on 19 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	79	33.4	42.3	4.3	5.4	0.2	22.6	69.7
Redroot pigweed	58	23.9	41.4	3.6	6.3	0.2	22.4	51.7
Kochia	47	19.7	41.7	2.5	5.3	0.2	18.6	41.3
Wild buckwheat	47	12.4	26.1	0.8	1.7	0.2	7.2	30.0
Wild mustard	42	10.0	23.7	0.5	1.2	0.2	2.4	25.2
Wild oats	21	7.6	36.2	0.8	3.7	0.4	9.0	16.5
Prostrate pigweed	32	3.7	11.7	0.3	0.8	0.2	2.6	14.8
Field bindweed	16	4.5	28.3	0.5	3.2	0.2	9.2	10.9
Canada thistle	5	0.8	15.0	0.1	2.0	2.0	2.0	2.8
Yellow foxtail	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Weed free	68	25.8	37.7	—	—	—	—	—

Table 42. McLean County weed infestations based on 44 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	100	93.6	93.6	46.8	46.8	5.2	161.0	236.2
Wild oats	84	29.9	35.5	5.7	6.8	0.2	50.4	71.2
Redroot pigweed	86	23.1	26.7	1.9	2.2	0.2	12.6	56.3
Wild buckwheat	57	16.7	29.4	1.6	2.8	0.2	15.4	39.3
Common lambsquarters	36	7.0	19.4	0.9	2.5	0.2	21.8	21.3
Russian thistle	36	6.9	19.1	0.5	1.3	0.2	6.2	20.1
Kochia	16	4.0	25.0	0.3	1.8	0.2	5.2	10.0
Field bindweed	18	2.4	13.1	0.5	2.6	1.6	3.8	9.6
Yellow foxtail	2	2.2	95.0	1.5	64.0	64.0	64.0	6.3
Prostrate pigweed	11	2.2	19.0	0.1	1.2	0.2	3.6	6.3
Wild mustard	9	0.6	6.3	<0.1	0.4	0.2	0.8	3.7
Canada thistle	7	0.5	6.7	<0.1	0.3	0.2	0.4	2.8
Field pennycress	7	0.5	6.7	<0.1	0.3	0.2	0.4	2.8
Common milkweed	7	0.3	5.0	<0.1	0.4	0.2	0.6	2.7
Ragweed	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.9
Common cocklebur	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.9
Weed free	18	2.6	14.4	—	—	—	—	—

Table 43. Mercer County weed infestations based on 11 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	100	90.0	90.0	34.4	34.4	3.4	122.4	203.6
Wild buckwheat	82	40.5	49.4	3.9	4.7	0.8	11.2	76.8
Redroot pigweed	73	14.5	20.0	1.1	1.5	0.2	5.8	41.4
Wild oats	55	15.9	29.2	1.8	3.3	0.4	8.8	38.3
Russian thistle	55	13.6	25.0	1.1	2.1	0.2	5.8	34.4
Wild mustard	27	9.1	33.3	1.2	4.3	0.2	11.0	20.9
Common lambsquarters	36	6.8	18.8	0.7	2.0	0.2	7.4	20.7
Field bindweed	18	1.8	10.0	0.1	0.6	0.2	1.0	8.1
Yellow foxtail	9	4.1	45.0	0.4	4.2	4.2	4.2	8.0
Prostrate pigweed	9	1.4	15.0	0.1	1.6	1.6	1.6	4.7
Field pennycress	9	0.5	5.0	<0.1	0.4	0.4	0.4	3.6
Volunteer sunflower	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.5
Weed free	9	1.8	20.0	—	—	—	—	—

Table 44. Morton County weed infestations based on 20 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	100	88.5	88.5	48.9	48.9	1.8	131.4	236.0
Wild buckwheat	100	40.5	40.5	3.3	3.3	0.2	8.8	81.6
Wild oats	70	36.5	52.1	7.1	10.2	0.2	59.2	76.5
Field bindweed	50	24.2	48.5	7.7	15.4	0.2	35.8	58.9
Redroot pigweed	75	19.7	26.3	2.9	3.9	0.2	33.2	51.5
Russian thistle	45	16.7	37.2	2.3	5.2	0.4	15.4	37.2
Common lambsquarters	45	11.2	25.0	1.3	2.8	0.2	12.2	29.2
Wild mustard	40	9.2	23.1	0.8	2.1	0.2	10.6	24.5
Yellow foxtail	20	2.7	13.7	0.2	1.0	0.2	3.6	9.9
Prostrate pigweed	15	1.7	11.7	0.2	1.6	0.4	3.6	7.3
Volunteer sunflower	15	1.2	8.3	<0.1	0.3	0.2	0.4	6.4
Common cocklebur	15	1.0	6.7	<0.1	0.3	0.2	0.4	6.1
Wild rose	10	1.7	17.5	0.2	2.1	0.8	3.4	5.6
Barnyardgrass	5	1.7	35.0	0.1	2.8	2.8	2.8	3.7
Field pennycress	5	1.2	25.0	0.2	4.0	4.0	4.0	3.4
Ragweed	5	1.2	25.0	<0.1	1.0	1.0	1.0	3.0
Prickly lettuce	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.2
Kochia	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.2
Common milkweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Weed free	15	2.5	16.7	—	—	—	—	—

Table 45. Mountrail County weed infestations based on 28 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	100	52.5	52.5	6.3	6.3	0.4	20.6	100.5
Redroot pigweed	61	17.1	28.2	1.8	3.0	0.2	22.0	41.6
Wild buckwheat	46	12.5	26.9	0.9	1.9	0.2	10.0	30.0
Wild mustard	32	10.2	31.7	0.8	2.4	0.2	6.4	22.7
Wild oats	29	3.2	11.2	0.3	1.0	0.2	3.0	13.4
Field bindweed	11	1.1	10.0	<0.1	0.4	0.2	0.6	4.7
Prostrate pigweed	4	0.5	15.0	<0.1	0.6	0.6	0.6	1.8
Waterleaf	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.4
Kochia	4	0.2	5.0	<0.1	0.4	0.4	0.4	1.4
Weed free	79	26.4	33.6	—	—	—	—	—

Table 46. Nelson County weed infestations based on 31 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	100	89.2	89.2	33.5	33.5	0.4	100.8	200.6
Wild oats	71	29.7	41.8	5.0	7.0	0.6	40.6	65.0
Redroot pigweed	61	9.4	15.3	0.8	1.3	0.2	6.0	31.7
Kochia	35	6.1	17.3	0.7	2.1	0.2	7.4	19.7
Wild buckwheat	26	2.9	11.2	0.2	0.6	0.2	1.6	11.9
Wild mustard	19	1.8	9.2	0.1	0.6	0.4	1.0	8.5
Russian thistle	6	1.0	15.0	0.1	1.2	0.6	1.8	3.3
Common lambsquarters	6	0.6	10.0	<0.1	0.5	0.4	0.6	2.9
Wild rose	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.4
Volunteer sunflower	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Common purslane	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Perennial sowthistle	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Prickly lettuce	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Weed free	26	5.2	20.0	—	—	—	—	—

Table 47. Oliver County weed infestations based on 8 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	100	95.6	95.6	44.3	44.3	7.0	136.8	232.4
Yellow foxtail	63	46.2	74.0	21.9	35.0	5.6	78.0	118.1
Wild buckwheat	88	33.1	37.9	3.0	3.4	0.2	9.8	69.3
Wild oats	63	23.1	37.0	5.2	8.3	0.8	34.2	56.1
Russian thistle	63	23.1	37.0	1.8	3.0	1.0	4.8	48.3
Field bindweed	50	7.5	15.0	1.5	3.1	1.4	4.0	27.8
Common lambsquarters	50	5.6	11.2	0.4	0.9	0.4	1.6	23.3
Redroot pigweed	50	5.0	10.0	0.2	0.4	0.2	0.8	22.2
Bromegrass	13	7.5	60.0	1.4	11.0	11.0	11.0	14.9
Kochia	38	1.9	5.0	0.1	0.2	0.2	0.2	14.5
Wild rose	25	3.1	12.5	0.2	0.8	0.8	0.8	11.9
Prostrate pigweed	25	2.5	10.0	0.1	0.4	0.2	0.6	11.1
Wild mustard	25	1.9	7.5	0.1	0.6	0.2	1.0	10.6
Common cocklebur	25	1.2	5.0	<0.1	0.2	0.2	0.2	9.7
Volunteer sunflower	13	1.9	15.0	0.1	0.6	0.6	0.6	6.2
Quackgrass	13	1.2	10.0	0.3	2.2	2.2	2.2	6.1
Ragweed	13	0.6	5.0	<0.1	0.2	0.2	0.2	4.9
Weed free	13	1.2	10.0	—	—	—	—	—

Table 48. Pembina County weed infestations based on 38 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	89	72.0	80.4	12.9	14.5	3.2	35.0	132.0
Wild oats	84	50.3	59.7	4.4	5.3	0.4	17.6	88.7
Wild buckwheat	50	13.9	27.9	1.0	1.9	0.2	9.0	32.8
Kochia	50	10.1	20.3	0.7	1.4	0.2	9.0	28.5
Redroot pigweed	39	12.8	32.3	1.0	2.5	0.2	10.0	28.2
Smartweed	5	1.6	30.0	0.1	1.8	0.8	2.8	3.6
Barnyardgrass	8	0.5	6.7	<0.1	0.5	0.2	0.8	3.2
Common lambsquarters	5	0.9	17.5	0.1	1.2	0.2	2.2	2.8
Canada thistle	5	0.9	17.5	<0.1	0.9	0.2	1.6	2.8
Flixweed	3	1.3	50.0	0.1	4.2	4.2	4.2	2.5
Russian thistle	5	0.5	10.0	<0.1	0.5	0.2	0.8	2.3
Volunteer sunflower	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0
Wild mustard	3	0.7	25.0	<0.1	1.2	1.2	1.2	1.6

Table 48 (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	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.2
False chamomile	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Weed free	29	6.4	22.3	—	—	—	—	—

Table 49. Pierce County weed infestations based on 26 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	100	99.0	99.0	66.5	66.5	10.4	396.0	287.6
Russian thistle	69	39.4	56.9	5.5	7.9	0.2	22.0	75.3
Wild buckwheat	85	36.5	43.2	3.1	3.6	0.4	13.2	71.9
Wild oats	69	35.8	51.7	4.3	6.2	0.2	19.6	68.8
Redroot pigweed	42	17.5	41.4	1.7	4.1	0.6	17.2	35.6
Common lambsquarters	31	11.2	36.2	1.4	4.5	0.2	13.8	24.7
Field bindweed	23	10.8	46.7	1.3	5.6	3.0	9.0	21.5
Kochia	23	4.6	20.0	0.3	1.4	0.4	3.0	13.1
Yellow foxtail	8	6.0	77.5	1.3	16.6	6.8	26.4	11.5
Volunteer sunflower	12	6.2	53.3	0.5	4.0	2.4	6.2	11.1
Wild mustard	15	4.6	30.0	0.4	2.3	1.2	4.0	10.6
Canada thistle	12	5.0	43.3	0.7	5.8	0.6	15.0	10.4
Wild rose	8	6.0	77.5	0.5	6.5	6.2	6.8	9.7
Nightflowering catchfly	8	4.8	62.5	0.6	7.2	6.4	8.0	8.7
Quackgrass	4	1.9	50.0	0.2	5.0	5.0	5.0	3.7
Smartweed	4	1.5	40.0	0.1	2.6	2.6	2.6	3.1
Perennial sowthistle	4	1.0	25.0	0.2	5.0	5.0	5.0	2.7
Clover	4	1.2	30.0	0.1	2.2	2.2	2.2	2.6
Common cocklebur	4	0.8	20.0	0.2	4.0	4.0	4.0	2.4
Skeleton weed	4	0.2	5.0	<0.1	0.2	0.2	0.2	1.5
Common milkweed	4	0.2	5.0	<0.1	0.4	0.4	0.4	1.5
Weed free	4	0.8	20.0	—	—	—	—	—

Table 50. Ramsey County weed infestations based on 39 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	100	81.4	81.4	22.5	22.5	0.2	61.0	167.2
Wild oats	69	27.2	39.3	2.7	3.9	0.6	25.2	56.6
Redroot pigweed	51	10.5	20.5	0.8	1.5	0.4	4.6	29.4
Wild buckwheat	38	6.5	17.0	0.4	1.1	0.2	2.6	20.3
Kochia	31	2.7	8.7	0.2	0.8	0.2	2.4	13.5
Wild mustard	23	3.5	15.0	0.3	1.1	0.4	2.2	11.8
Roundleaf mallow	5	0.5	10.0	<0.1	0.6	0.2	1.0	2.3
Russian thistle	5	0.4	7.5	<0.1	0.5	0.4	0.6	2.2
Prostrate pigweed	5	0.3	5.0	<0.1	0.4	0.4	0.4	2.0
Common purslane	3	0.8	30.0	0.1	2.6	2.6	2.6	1.8
Common lambsquarters	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Perennial sowthistle	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Prickly lettuce	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Wild barley	3	0.1	5.0	<0.1	0.4	0.4	0.4	1.0
Weed free	26	5.0	19.5	—	—	—	—	—

Table 51. Ransom County weed infestations based on 19 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	89	83.2	92.9	37.0	41.4	2.8	93.4	199.4
Yellow foxtail	47	28.4	60.0	4.4	9.3	0.8	38.6	54.5
Wild oats	58	21.8	37.7	3.4	5.8	1.4	15.0	49.0
Redroot pigweed	26	20.3	77.0	3.0	11.5	3.6	19.8	36.1
Wild buckwheat	32	12.6	40.0	1.1	3.3	1.0	6.4	25.6
Common lambsquarters	26	7.9	30.0	0.6	2.3	1.2	3.0	18.1
Common milkweed	21	1.8	8.7	0.1	0.6	0.2	1.6	9.2
Clover	11	3.7	35.0	0.3	2.9	2.2	3.6	7.9
Volunteer millet	5	3.2	60.0	0.2	3.8	3.8	3.8	5.4
Volunteer sunflower	11	1.3	12.5	0.1	0.6	0.4	0.8	5.0
Nightflowering catchfly	5	0.8	15.0	0.1	1.0	1.0	1.0	2.7
Wild rose	5	0.3	5.0	<0.1	0.4	0.4	0.4	2.1
Wild mustard	5	0.3	5.0	<0.1	0.2	0.2	0.2	2.0

Table 52. Renville County weed infestations based on 25 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	100	99.0	99.0	34.2	34.2	14.6	72.0	212.1
Wild oats	100	89.4	89.4	24.5	24.5	3.8	88.6	179.9
Kochia	68	47.6	70.0	4.7	7.0	2.0	17.0	81.3
Common lambsquarters	68	39.8	58.5	2.9	4.2	1.2	7.8	69.2
Perennial sowthistle	60	36.0	60.0	2.8	4.6	0.8	10.8	62.5
Volunteer sunflower	60	31.6	52.7	2.2	3.7	1.8	5.4	56.7
Redroot pigweed	28	17.8	63.6	1.9	6.7	1.6	18.6	31.5
Wild mustard	16	10.2	63.7	0.9	5.8	2.0	10.0	17.7
Common purslane	16	6.8	42.5	0.4	2.8	1.4	5.4	13.2
Quackgrass	12	7.4	61.7	0.7	5.5	2.6	8.0	12.9
Canada thistle	12	6.2	51.7	0.4	3.5	0.8	6.6	11.2
Field pennycress	8	3.4	42.5	0.2	2.7	1.8	3.6	6.6
Field bindweed	4	2.8	70.0	0.3	7.0	7.0	7.0	4.8
Smartweed	4	2.8	70.0	0.3	6.4	6.4	6.4	4.7
Prostrate pigweed	4	2.0	50.0	0.1	2.2	2.2	2.2	3.5
False chamomile	4	0.8	20.0	<0.1	0.8	0.8	0.8	2.2

Table 53. Richland County weed infestations based on 37 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	92	53.6	58.4	21.0	22.9	0.6	396.0	133.4
Yellow foxtail	78	33.6	42.9	8.9	11.4	1.0	96.2	80.6
Wild oats	32	12.3	37.9	6.4	19.8	0.2	131.4	38.1
Yellow woodsorrel	19	5.3	27.9	0.7	3.5	0.8	9.4	13.1
Volunteer sunflower	19	4.5	23.6	0.9	4.6	0.2	27.2	12.8
Canada thistle	22	3.4	15.6	0.4	1.9	0.4	5.8	11.6
Wild buckwheat	16	3.9	24.2	0.9	5.7	0.2	28.0	11.5
Field bindweed	8	5.4	66.7	1.4	16.7	12.4	18.8	11.3
Common milkweed	24	1.9	7.8	0.1	0.5	0.2	1.2	10.3
Redroot pigweed	5	2.6	47.5	1.0	18.0	1.6	34.4	6.6
Barnyardgrass	14	1.4	10.0	0.2	1.4	0.2	3.6	6.3
Wild mint	5	3.1	57.5	0.3	6.4	4.0	8.8	5.7
Clover	8	0.7	8.3	0.1	1.1	0.2	1.6	3.6
Kochia	8	0.7	8.3	0.1	0.7	0.6	0.8	3.5
Prickly lettuce	5	1.1	20.0	0.1	2.6	2.6	2.6	3.2

Table 53 (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	
Roundleaf mallow	3	1.2	45.0	0.4	14.2	14.2	14.2	3.0
Wild mustard	3	1.1	40.0	0.4	15.8	15.8	15.8	3.0
Dock	5	0.8	15.0	0.1	1.6	1.6	1.6	2.8
Wild four-o'clock	3	0.8	30.0	0.4	15.0	15.0	15.0	2.7
Common dandelion	5	0.5	10.0	0.1	1.0	1.0	1.0	2.5
Prostrate pigweed	3	1.2	45.0	0.1	4.0	4.0	4.0	2.4
Quackgrass	3	0.8	30.0	0.2	6.4	6.4	6.4	2.1
Marshelder	3	0.3	10.0	0.3	10.0	10.0	10.0	1.8
Ragweed	3	0.5	20.0	0.1	2.0	2.0	2.0	1.6
Perennial sowthistle	3	0.4	15.0	0.1	4.0	4.0	4.0	1.6
Smartweed	3	0.3	10.0	<0.1	0.6	0.6	0.6	1.2
Wild barley	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Wild rose	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0
Russian thistle	3	0.1	5.0	<0.1	0.2	0.2	0.2	1.0

Table 54. Rolette County weed infestations based on 22 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	100	97.7	97.7	72.1	72.1	14.8	171.8	299.4
Wild buckwheat	86	56.8	65.8	6.1	7.0	0.2	18.8	99.8
Wild oats	86	45.9	53.2	5.8	6.7	0.4	25.2	88.2
Redroot pigweed	50	23.6	47.3	5.3	10.7	0.6	43.0	52.8
Common lambsquarters	41	15.9	38.9	1.7	4.0	1.0	10.8	33.4
Nightflowering catchfly	36	15.5	42.5	1.3	3.5	0.8	7.4	30.5
Canada thistle	32	12.3	38.6	2.6	8.3	0.6	30.0	29.0
Russian thistle	23	12.7	56.0	3.7	16.4	1.2	38.2	29.0
Wild mustard	23	10.0	44.0	1.8	7.9	0.4	30.0	21.8
Kochia	27	8.2	30.0	0.6	2.1	0.2	6.0	18.6
Quackgrass	18	7.3	40.0	1.0	5.3	0.8	8.4	15.6
Perennial sowthistle	23	5.5	24.0	0.5	2.3	0.8	6.2	14.3
Wild rose	14	5.9	43.3	0.5	3.7	1.8	6.4	11.6
Yellow foxtail	14	5.5	40.0	0.6	4.6	1.4	10.4	11.5
Common chickweed	5	4.5	100.0	1.9	42.0	42.0	42.0	10.5
Volunteer sunflower	14	4.3	31.7	0.3	1.9	0.4	3.4	9.5
Smartweed	9	4.5	50.0	0.4	4.1	0.6	7.6	8.4
Barnyardgrass	5	1.6	35.0	0.3	5.8	5.8	5.8	3.7
Skeleton weed	9	0.5	5.0	<0.1	0.2	0.2	0.2	3.5
Prostrate pigweed	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.0
Prickly lettuce	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Weed free	5	0.2	5.0	—	—	—	—	—

Table 55. Sargent County weed infestations based on 20 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	90	81.5	90.6	24.3	27.0	6.6	53.0	168.1
Yellow foxtail	60	41.7	69.6	10.5	17.5	2.8	53.8	86.3
Wild oats	50	25.5	51.0	6.2	12.4	0.8	47.2	56.6
Wild buckwheat	30	16.2	54.2	1.5	5.0	0.4	11.0	29.8
Wild mustard	30	15.0	50.0	1.5	5.0	0.6	10.8	28.5
Redroot pigweed	20	13.0	65.0	1.3	6.8	3.2	13.0	22.8
Roundleaf mallow	20	9.2	46.2	2.3	11.8	1.4	38.0	21.4
Clover	15	8.0	53.3	0.8	5.5	3.8	9.0	14.9

Table 55 (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	
Ragweed	15	5.7	38.3	0.5	3.5	0.6	7.8	12.0
Quackgrass	5	5.0	100.0	1.0	20.6	20.6	20.6	9.1
Canada thistle	15	2.5	16.7	0.2	1.5	0.8	3.0	8.0
Volunteer millet	5	5.0	100.0	0.5	10.8	10.8	10.8	7.9
Yellow woodsorrel	10	3.2	32.5	0.2	2.4	0.8	4.0	7.1
Kochia	10	2.5	25.0	0.3	2.7	1.4	4.0	6.5
Wild rose	10	2.0	20.0	0.1	1.3	1.2	1.4	5.6
Volunteer sunflower	5	1.5	30.0	0.1	2.6	2.6	2.6	3.5
Prickly lettuce	5	0.5	10.0	<0.1	0.4	0.4	0.4	2.2
Common milkweed	5	0.2	5.0	<0.1	0.6	0.6	0.6	2.0
Barnyardgrass	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Volunteer corn	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9
Dock	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.9

Table 56. Sheridan County weed infestations based on 21 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	94.8	98.4	45.2	55.1	1.6	59.8	232.4
Wild buckwheat	100	88.1	88.1	18.8	18.8	9.6	29.0	165.3
Wild oats	57	21.7	37.9	2.3	4.0	0.8	6.2	46.0
Common lambsquarters	29	11.7	40.8	1.0	3.5	2.0	5.2	23.5
Perennial sowthistle	24	10.5	44.0	1.4	5.9	1.4	18.2	21.7
Canada thistle	19	7.6	40.0	0.9	4.5	2.2	6.2	16.0
Kochia	14	4.3	30.0	0.3	2.3	1.4	3.0	9.8
Redroot pigweed	5	1.7	35.0	0.1	2.8	2.8	2.8	3.6
Muskthistle	5	1.0	20.0	<0.1	1.0	1.0	1.0	2.7
Prostrate pigweed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Russian thistle	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8

Table 57. Sioux County weed infestations based on 6 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	100	93.3	93.3	57.8	57.8	7.6	113.0	261.5
Wild buckwheat	83	41.7	50.0	4.3	5.2	1.0	10.2	79.6
Field bindweed	67	27.5	41.2	9.4	14.1	1.2	26.0	71.7
Redroot pigweed	67	17.5	26.2	1.2	1.8	0.2	5.0	42.6
Russian thistle	50	15.8	31.7	3.5	7.1	0.2	20.8	40.7
Wild oats	50	15.0	30.0	1.2	2.5	0.4	5.0	34.5
Common lambsquarters	17	8.3	50.0	0.5	3.0	3.0	3.0	15.1
Common cocklebur	17	5.0	30.0	0.5	2.8	2.8	2.8	11.6
Barnyardgrass	17	0.8	5.0	<0.1	0.2	0.2	0.2	6.5
Ragweed	17	0.8	5.0	<0.1	0.2	0.2	0.2	6.5
Volunteer sunflower	17	0.8	5.0	0.1	0.4	0.4	0.4	6.5
Kochia	17	0.8	5.0	<0.1	0.2	0.2	0.2	6.5



Table 58. Slope County weed infestations based on 12 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	
Yellow foxtail	83	57.1	68.5	26.0	31.2	1.2	72.8	145.5
Wild oats	75	44.2	58.9	13.7	18.2	0.6	60.6	101.1
Redroot pigweed	83	25.8	31.0	6.1	7.3	0.2	45.0	67.9
Wild buckwheat	67	26.2	39.4	3.1	4.7	0.4	12.6	55.8
Russian thistle	42	15.8	38.0	2.5	6.0	0.2	16.4	35.5
Volunteer sunflower	42	11.2	27.0	0.7	1.8	0.4	3.0	26.8
Prickly lettuce	25	2.1	8.3	0.2	0.9	0.2	2.0	10.9
Wild rose	25	1.7	6.7	0.3	1.4	0.6	2.8	10.8
Kochia	25	1.2	5.0	0.2	0.7	0.4	1.2	10.0
Common chickweed	17	1.2	7.5	0.1	0.8	0.8	0.8	7.1
Common dandelion	8	1.2	15.0	0.1	1.2	1.2	1.2	4.3
Muskthistle	8	0.8	10.0	0.1	1.4	1.4	1.4	3.9
Common lambsquarters	8	0.8	10.0	0.1	1.2	1.2	1.2	3.8
Perennial sowthistle	8	0.4	5.0	<0.1	0.6	0.6	0.6	3.3
Weed free	25	8.7	35.0	—	—	—	—	—

Table 59. Stark County weed infestations based on 22 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	
Wild oats	95	51.1	53.6	10.4	10.9	0.2	43.0	107.2
Green foxtail	59	33.9	57.3	19.0	32.2	0.2	122.0	98.0
Yellow foxtail	41	16.1	39.4	6.7	16.3	0.4	87.0	45.3
Redroot pigweed	64	13.9	21.8	1.9	3.1	0.2	16.0	39.6
Wild buckwheat	50	15.7	31.4	2.3	4.7	0.2	17.4	37.8
Russian thistle	27	5.2	19.2	1.5	5.7	0.2	24.8	17.9
Kochia	27	6.4	23.3	0.5	1.8	0.4	4.2	16.6
Common lambsquarters	18	4.3	23.7	0.8	4.1	0.2	14.8	12.1
Prickly lettuce	14	1.8	13.3	0.1	0.5	0.2	1.2	6.5
Field bindweed	9	1.1	12.5	0.3	3.5	0.2	6.8	4.9
Wild mustard	9	1.4	15.0	0.1	1.1	0.6	1.6	4.6
Volunteer sunflower	9	0.9	10.0	<0.1	0.4	0.4	0.4	4.0
Green sage	9	0.7	7.5	<0.1	0.3	0.2	0.4	3.8
Wild rose	5	1.4	30.0	0.4	7.8	7.8	7.8	3.7
Common cocklebur	9	0.5	5.0	<0.1	0.5	0.4	0.6	3.6
Common dandelion	5	0.9	20.0	0.1	1.4	1.4	1.4	2.6
Volunteer soybean	5	0.5	10.0	<0.1	0.6	0.6	0.6	2.0
Common chickweed	5	0.2	5.0	0.1	1.4	1.4	1.4	1.9
Skeleton weed	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Quackgrass	5	0.2	5.0	<0.1	0.4	0.4	0.4	1.8
Perennial sowthistle	5	0.2	5.0	<0.1	0.2	0.2	0.2	1.8
Timothy	5	0.2	5.0	<0.1	0.4	0.4	0.4	1.8
Weed free	59	17.3	29.2	—	—	—	—	—

Table 60. Steele County weed infestations based on 29 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	93.3	96.6	117.4	121.6	10.2	262.8	399.3
Wild oats	72	29.0	40.0	6.3	8.7	0.4	81.8	67.9
Wild buckwheat	66	21.2	32.4	2.1	3.2	0.2	27.6	47.9
Redroot pigweed	38	12.2	32.3	1.8	4.6	0.2	19.8	29.0
Nightflowering catchfly	21	4.3	20.8	0.3	1.3	0.2	3.2	11.9
Russian thistle	21	1.0	5.0	<0.1	0.2	0.2	0.2	8.0
Kochia	14	2.2	16.2	0.2	1.7	0.2	5.6	7.4

Table 60 (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	17	1.2	7.0	0.1	0.4	0.2	1.0	7.1
Volunteer sunflower	10	2.2	21.7	0.6	5.3	0.4	11.8	7.0
Canada thistle	10	1.6	15.0	0.3	2.5	0.2	7.0	5.6
Barnyardgrass	3	2.6	75.0	0.4	11.6	11.6	11.6	4.7
Common milkweed	10	1.0	10.0	0.1	1.1	0.8	1.4	4.7
Prostrate pigweed	7	1.6	22.5	0.1	2.0	0.2	3.8	4.2
Wild mustard	7	1.2	17.5	0.1	1.2	0.2	2.2	3.7
Common purslane	3	1.7	50.0	0.2	6.0	6.0	6.0	3.4
Yellow foxtail	3	1.4	40.0	0.3	8.6	8.6	8.6	3.2
Volunteer soybean	3	0.5	15.0	<0.1	0.6	0.6	0.6	1.7
Clover	3	0.5	15.0	<0.1	0.8	0.8	0.8	1.7
Volunteer tame oats	3	0.2	5.0	<0.1	0.4	0.4	0.4	1.4
Prickly lettuce	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3
Wild rose	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3

Table 61. Stutsman County weed infestations based on 11 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	100	93.2	93.2	30.2	30.2	2.4	102.2	263.7
Wild buckwheat	100	98.2	98.2	17.8	17.8	8.2	27.2	173.0
Wild oats	45	15.9	35.0	1.2	2.6	1.0	5.0	33.8
Perennial sowthistle	36	16.4	45.0	1.3	3.4	2.0	4.6	31.4
Common lambsquarters	36	15.0	41.2	1.1	3.0	1.0	4.4	29.7
Canada thistle	18	6.8	37.5	0.4	2.0	1.4	2.6	13.7
Kochia	9	1.4	15.0	0.1	0.8	0.8	0.8	4.6

Table 62. Towner County weed infestations based on 32 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	92.8	95.8	89.5	92.4	5.4	325.0	334.0
Wild oats	81	51.9	63.8	23.8	29.3	0.4	197.4	134.6
Wild buckwheat	91	51.4	56.7	6.3	7.0	0.6	27.8	96.3
Redroot pigweed	84	35.9	42.6	5.3	6.3	0.4	36.2	76.4
Nightflowering catchfly	59	26.1	43.9	3.9	6.5	0.2	20.4	54.9
Wild mustard	31	7.0	22.5	1.3	4.3	0.2	31.8	20.6
Canada thistle	28	5.3	18.9	0.9	3.2	0.2	6.6	16.8
Perennial sowthistle	22	5.9	27.1	1.1	5.2	0.4	27.2	15.9
Russian thistle	9	6.1	65.0	1.7	18.4	10.2	27.0	13.2
Kochia	22	4.2	19.3	0.3	1.5	0.2	5.2	12.3
Common lambsquarters	22	4.1	18.6	0.3	1.5	0.2	4.6	12.1
Barnyardgrass	3	3.1	100.0	0.9	29.2	29.2	29.2	6.3
Common purslane	6	2.3	37.5	0.2	3.3	2.6	4.0	4.9
Greenflower pepperweed	3	1.2	40.0	0.6	17.8	17.8	17.8	3.6
Field bindweed	6	0.5	7.5	0.1	1.2	0.4	2.0	2.7
Roundleaf mallow	6	0.5	7.5	<0.1	0.6	0.4	0.8	2.6
Horsetail	3	0.8	25.0	0.2	7.4	7.4	7.4	2.4
False chamomile	3	0.6	20.0	<0.1	0.8	0.8	0.8	1.7
Prostrate pigweed	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.2
Weed free	3	1.1	35.0	—	—	—	—	—

Table 63. Trail County weed infestations based on 31 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	100	90.8	90.8	95.6	95.6	2.4	387.0	347.3
Wild oats	68	27.6	40.7	4.4	6.5	0.2	35.2	60.4
Wild buckwheat	42	12.3	29.2	1.0	2.5	0.2	13.8	28.6
Redroot pigweed	35	11.3	31.8	1.1	3.0	0.2	10.0	25.6
Prostrate pigweed	29	6.5	22.2	0.6	2.2	0.4	10.4	17.6
Kochia	23	3.4	15.0	0.2	0.7	0.2	1.0	11.3
Common lambsquarters	16	3.5	22.0	0.4	2.3	0.4	9.2	9.8
Barnyardgrass	10	4.8	50.0	0.6	6.7	0.2	14.2	9.6
Canada thistle	13	2.3	17.5	0.3	2.1	0.8	3.8	7.2
Wild mustard	3	3.2	100.0	0.3	8.0	8.0	8.0	4.9
Yellow foxtail	3	2.1	65.0	0.5	16.6	16.6	16.6	4.4
Quackgrass	10	0.6	6.7	0.2	1.7	0.4	3.2	4.3
Russian thistle	10	1.0	10.0	0.1	0.6	0.2	1.4	4.3
Nightflowering catchfly	6	0.3	5.0	<0.1	0.2	0.2	0.2	2.5
Smartweed	3	0.3	10.0	0.1	3.0	3.0	3.0	1.6
Wild rose	3	0.5	15.0	<0.1	0.8	0.8	0.8	1.6
Volunteer barley	3	0.3	10.0	<0.1	0.4	0.4	0.4	1.4
Roundleaf mallow	3	0.2	5.0	<0.1	0.4	0.4	0.4	1.3
Perennial sowthistle	3	0.2	5.0	<0.1	0.8	0.8	0.8	1.3
Common milkweed	3	0.2	5.0	<0.1	0.2	0.2	0.2	1.3

Table 64. Walsh County weed infestations based on 44 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	100	83.5	83.5	26.4	26.4	3.4	104.0	178.4
Wild oats	84	43.2	51.4	5.2	6.2	0.2	33.4	83.3
Redroot pigweed	50	13.1	26.1	1.5	2.9	0.4	22.2	33.1
Kochia	39	6.0	15.6	0.5	1.3	0.2	6.0	20.1
Wild buckwheat	32	6.1	19.3	0.5	1.6	0.2	12.0	18.0
Wild mustard	11	1.2	11.0	0.1	0.6	0.2	1.0	5.2
Canada thistle	11	1.0	9.0	0.1	0.7	0.2	1.4	5.0
Volunteer sunflower	9	1.0	11.2	0.1	0.6	0.2	1.4	4.2
Nightflowering catchfly	7	0.3	5.0	<0.1	0.2	0.2	0.2	2.6
Yellow foxtail	5	0.2	5.0	<0.1	0.4	0.4	0.4	1.8
Prostrate pigweed	5	0.2	5.0	<0.1	0.3	0.2	0.4	1.8
False chamomile	2	0.5	20.0	<0.1	0.8	0.8	0.8	1.3
Common lambsquarters	2	0.2	10.0	<0.1	1.4	1.4	1.4	1.1
Barnyardgrass	2	0.2	10.0	<0.1	0.8	0.8	0.8	1.0
Hedge bindweed	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.9
Common purslane	2	0.1	5.0	<0.1	0.4	0.4	0.4	0.9
Perennial sowthistle	2	0.1	5.0	<0.1	0.2	0.2	0.2	0.9
Weed free	43	9.1	21.1	—	—	—	—	—

Table 65. Ward County weed infestations based on 51 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	100	97.4	97.4	23.4	23.4	2.8	36.2	185.3
Wild oats	86	57.4	66.5	7.4	8.6	0.2	38.8	103.4
Common lambsquarters	65	46.4	71.7	5.5	8.5	2.2	46.4	80.7
Field bindweed	63	44.0	70.2	4.7	7.4	1.2	17.4	75.8
Redroot pigweed	55	27.4	49.8	2.1	3.8	0.8	7.4	50.6

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