

Table 14. Adams county weed infestation based on 13 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
Green foxtail	100.0	44.6	44.6	24.3	24.3	0.2	10.8	134.8
Kochia	61.5	23.8	38.8	15.5	25.2	0.1	8.6	80.5
Wild buckwheat	69.2	30.0	43.3	5.4	7.8	<0.1	2.8	65.6
Wild oat	61.5	21.5	35.0	4.3	7.0	<0.1	2.9	52.1
Russian thistle	38.5	16.2	42.0	8.8	22.8	<0.1	8.0	49.5
Field bindweed	46.2	13.8	30.0	3.1	6.8	<0.1	2.8	36.6
Prairie wild rose	38.5	11.5	30.0	2.1	5.4	<0.1	2.4	29.2
Common lambsquarters	38.5	10.8	28.0	2.3	6.0	<0.1	2.6	29.0
Pigweed species	30.8	11.5	37.5	2.1	6.7	<0.1	2.5	26.6
Dandelion	23.1	7.7	33.3	1.1	4.7	<0.1	1.7	17.9
Sunflower	7.7	<0.1	<0.1	4.4	57.1	0.2	40.0	12.8
Flixweed/Tansy mustard	15.4	4.6	30.0	0.7	4.8	<0.1	2.0	11.5
Field pennycress	7.7	3.1	40.0	2.2	28.0	<0.1	15.0	10.7
Volunteer cereal	7.7	4.6	60.0	1.0	12.9	<0.1	4.0	9.5
Downy brome	7.7	3.1	40.0	1.6	20.5	<0.1	15.0	9.3
Quackgrass	7.7	2.3	30.0	1.2	16.1	<0.1	7.0	7.8
Erect knotweed	7.7	2.3	30.0	1.1	14.0	<0.1	5.0	7.4
Common ragweed	7.7	3.1	40.0	0.4	5.4	<0.1	2.0	6.6
Common cocklebur	7.7	2.3	30.0	0.3	4.3	<0.1	2.0	5.6
Barnyardgrass	7.7	2.3	30.0	0.3	4.3	<0.1	2.0	5.6
Perennial sowthistle	7.7	2.3	30.0	0.2	3.2	<0.1	1.0	5.5
Wild mustard	7.7	1.5	20.0	0.2	2.2	<0.1	1.0	4.5
Alfalfa	7.7	0.8	10.0	0.1	1.1	<0.1	1.0	3.5
Weed free	23.1	4.6	20.0	-	-	-	-	-

Table 15. Barnes county weed infestations based on 66 surveyed fields, spring 2000.

Weed species	Weed							Weed Index
	Weed Frequency (%)	Field Uniformity (%)		Weed Density -- Plants/m <sup>2</sup> --		Density Range -- Plants/m <sup>2</sup> --		
		All	Infested	All	Infested	Low	High	
Green foxtail	78.8	33.3	42.3	29.1	36.9	1.6	24.3	127.4
Wild mustard	66.7	25.2	37.7	12.8	19.3	0.1	5.9	77.3
Canada thistle	59.1	14.8	25.1	3.3	5.6	<0.1	2.6	42.2
Pigweed species	34.8	11.2	32.2	6.2	17.8	<0.1	6.0	37.3
Wild buckwheat	39.4	12.0	30.4	3.9	10.0	0.1	4.2	34.3
Yellow foxtail	18.2	8.9	49.2	6.1	33.5	<0.1	9.3	29.2
Wild oat	27.3	6.2	22.8	3.8	13.8	<0.1	7.0	24.1
Kochia	33.3	7.4	22.3	1.9	5.8	<0.1	3.5	23.1
Common lambsquarters	24.2	6.8	28.1	2.8	11.6	<0.1	5.1	21.4
Sunflower	13.6	7.4	54.4	3.3	24.5	<0.1	6.1	19.8
Eastern black nightshade	16.7	3.0	18.2	1.7	10.2	<0.1	7.1	12.5
Common ragweed	18.2	3.9	21.7	0.8	4.7	<0.1	2.5	12.0
Common cocklebur	10.6	3.6	34.3	1.5	14.5	<0.1	4.7	10.7
Volunteer cereal	13.6	3.9	28.9	0.6	4.1	<0.1	8.1	9.8
Common milkweed	13.6	3.0	22.2	0.7	5.3	<0.1	2.7	9.3
Common purslane	7.6	3.3	44.0	1.1	14.6	<0.1	4.4	8.4
Annual smartweed	13.6	2.1	15.6	0.6	4.4	<0.1	2.8	8.1
Common mallow	7.6	2.3	30.0	0.7	9.5	<0.1	4.4	6.5
Prickly lettuce	9.1	2.3	25.0	0.3	3.8	<0.1	1.8	6.1
Russian thistle	9.1	2.1	23.3	0.4	4.1	<0.1	1.8	6.0
Giant ragweed	6.1	2.1	35.0	0.7	11.6	<0.1	4.5	5.8
Field pennycress	6.1	1.8	30.0	0.4	6.5	<0.1	1.8	4.8
Quackgrass	4.5	0.8	16.7	0.7	15.1	<0.1	9.3	3.9
Buffalobur	6.1	1.2	20.0	0.2	3.2	<0.1	1.8	3.7
Soybean	4.5	1.5	33.3	0.2	3.9	<0.1	1.3	3.4
Canola	3.0	1.4	45.0	0.3	10.8	<0.1	3.0	3.1
Perennial sowthistle	6.1	0.6	10.0	0.2	2.7	<0.1	2.5	3.0
Field bindweed	4.5	0.6	13.3	0.1	3.2	<0.1	2.3	2.5
Dandelion	4.5	0.6	13.3	0.1	1.4	<0.1	1.0	2.3
Venice mallow	1.5	0.8	50.0	0.4	25.8	<0.1	12.0	2.2
Corn	1.5	0.8	50.0	0.4	24.8	<0.1	9.0	2.1
Nightflowering catchfly	3.0	0.5	15.0	0.1	2.2	<0.1	1.5	1.6
Shepherd's-purse	1.5	0.3	20.0	0.3	17.2	<0.1	9.0	1.4
Hedge bindweed	1.5	0.5	30.0	<0.1	3.2	<0.1	1.0	1.1
Flixweed/Tansy mustard	1.5	0.3	20.0	0.1	6.5	<0.1	4.0	1.0
Curly dock	1.5	0.3	20.0	<0.1	2.2	<0.1	1.0	0.9
Marshelder	1.5	0.2	10.0	<0.1	3.2	<0.1	3.0	0.8
Prostrate pigweed	1.5	0.2	10.0	<0.1	1.1	<0.1	1.0	0.7
Weed free	39.4	12.3	31.2	-	-	-	-	-

Table 16. Benson county weed infestations based on 36 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity (%)		Weed Density -- Plants/m <sup>2</sup> --		Weed Density Range -- Plants/m <sup>2</sup> --		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	80.6	21.7	26.9	25.7	31.9	5.9	46.5	108.4
Wild oat	55.6	26.7	48.0	9.7	17.5	<0.1	5.4	67.9
Wild mustard	52.8	21.4	40.5	11.8	22.3	0.1	9.9	66.5
Wild buckwheat	58.3	16.1	27.6	12.9	22.1	0.3	7.3	65.6
Canada thistle	61.1	20.8	34.1	6.3	10.3	<0.1	3.9	55.9
Kochia	47.2	13.1	27.6	8.3	17.6	0.7	16.1	48.2
Canola	22.2	11.9	53.8	9.5	42.7	0.1	19.0	41.5
Pigweed species	30.6	9.2	30.0	8.6	28.2	0.1	14.4	39.4
Common lambsquarters	22.2	7.2	32.5	5.1	22.9	0.1	16.3	26.5
Common ragweed	30.6	9.2	30.0	2.1	6.8	<0.1	3.5	24.2
Yellow foxtail	11.1	6.4	57.5	5.4	48.2	0.1	15.8	22.6
Field pennycress	22.2	8.1	36.3	2.8	12.4	<0.1	18.3	21.9
Sunflower	13.9	6.4	46.0	3.6	25.6	<0.1	6.8	19.3
Volunteer cereal	22.2	7.8	35.0	1.8	7.9	<0.1	3.3	19.3
Prickly lettuce	25.0	5.6	22.2	1.5	6.1	<0.1	3.7	17.4
Russian thistle	16.7	3.9	23.3	2.0	11.8	<0.1	8.0	14.0
Quackgrass	11.1	4.7	42.5	1.8	16.4	<0.1	6.5	12.7
Flixweed/Tansy mustard	8.3	2.8	33.3	0.5	5.7	<0.1	2.3	6.7
Eastern black nightshade	8.3	2.2	26.7	0.5	6.1	<0.1	3.0	6.2
Common mallow	11.1	1.4	12.5	0.2	2.2	<0.1	1.5	5.7
Field bindweed	8.3	1.4	16.7	0.2	2.2	<0.1	1.3	4.6
Perennial sowthistle	5.6	0.8	15.0	0.1	2.7	<0.1	2.0	3.0
Common cocklebur	2.8	0.6	20.0	0.3	11.8	<0.1	10.0	2.2
Annual smartweed	2.8	0.6	20.0	0.1	5.4	<0.1	4.0	1.8
Prostrate pigweed	2.8	0.6	20.0	0.1	3.2	<0.1	2.0	1.7
Common milkweed	2.8	0.3	10.0	0.1	5.4	<0.1	5.0	1.6
Common purslane	2.8	0.3	10.0	0.1	2.2	<0.1	2.0	1.3
Venice mallow	2.8	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
Dandelion	2.8	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
Weed free	19.4	4.7	24.3	-	-	-	-	-

Table 17. Billings county weed infestations based on 10 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
Green foxtail	66.7	<0.1	<0.1	38.9	58.3	2.9	23.7	112.9
Wild mustard	66.7	16.7	25.0	27.0	40.5	2.1	10.3	102.0
Wild buckwheat	77.8	30.0	38.6	14.5	18.6	0.3	4.9	89.7
Russian thistle	44.4	14.4	32.5	5.7	12.9	<0.1	5.8	42.7
Common lambsquarters	44.4	18.9	42.5	3.0	6.7	<0.1	1.8	40.7
Field bindweed	33.3	10.0	30.0	6.3	19.0	0.1	4.0	35.9
Volunteer cereal	11.1	8.9	80.0	8.1	73.2	<0.1	15.0	31.6
Pigweed species	22.2	11.1	50.0	2.3	10.2	<0.1	2.5	23.8
Wild oat	22.2	10.0	45.0	2.2	9.7	<0.1	3.0	22.4
Canada thistle	22.2	5.6	25.0	1.8	8.1	<0.1	4.0	17.1
Flixweed/Tansy mustard	22.2	5.6	25.0	0.7	3.2	<0.1	1.5	14.6
Kochia	22.2	4.4	20.0	0.8	3.8	<0.1	2.0	13.8
Common cocklebur	11.1	5.6	50.0	1.3	11.8	<0.1	4.0	12.3
Hedge bindweed	11.1	5.6	50.0	1.0	8.6	<0.1	2.0	11.5
Field pennycress	11.1	3.3	30.0	1.0	8.6	<0.1	4.0	9.3
Horseweed	11.1	3.3	30.0	0.4	3.2	<0.1	1.0	7.9
Sweetclover	11.1	3.3	30.0	0.4	3.2	<0.1	1.0	7.9

Table 18. Bottineau county weed infestations based on 43 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	74.4	18.8	25.3	32.6	43.8	3.0	33.6	119.8
Wild buckwheat	72.1	23.5	32.6	11.9	16.5	0.1	7.7	75.3
Wild oat	53.5	20.2	37.8	9.8	18.3	0.1	9.5	60.9
Pigweed species	41.9	14.4	34.4	9.2	21.9	<0.1	11.7	49.8
Yellow foxtail	23.3	9.8	42.0	10.3	44.5	1.1	35.5	41.6
Kochia	34.9	15.1	43.3	5.3	15.3	<0.1	6.7	39.2
Canola	18.6	9.8	52.5	4.7	25.2	<0.1	10.6	26.9
Field pennycress	18.6	4.7	25.0	3.0	16.3	<0.1	19.8	17.9
Canada thistle	25.6	4.2	16.4	1.0	3.9	<0.1	2.8	15.0
Wild mustard	18.6	3.3	17.5	1.9	10.0	<0.1	5.1	13.8
Volunteer cereal	11.6	3.7	32.0	1.0	8.2	<0.1	4.2	9.8
Russian thistle	9.3	3.5	37.5	1.4	14.8	<0.1	7.5	9.8
Common lambsquarters	16.3	2.8	17.1	0.6	3.5	<0.1	2.3	9.6
Common ragweed	11.6	2.1	18.0	0.7	6.0	<0.1	4.4	7.6
Quackgrass	9.3	2.1	22.5	0.7	7.8	<0.1	5.3	6.9
Fairy candelabra	7.0	2.6	36.7	0.6	8.6	<0.1	3.7	6.3
Marshelder	11.6	1.9	16.0	0.2	1.9	<0.1	1.2	6.3
Prickly lettuce	11.6	1.6	14.0	0.2	1.7	<0.1	1.2	6.0
Purslane speedwell	9.3	1.6	17.5	0.4	4.3	<0.1	3.0	5.7
Perennial sowthistle	9.3	1.2	12.5	0.4	4.3	<0.1	3.8	5.2
Barnyardgrass	7.0	1.9	26.7	0.3	4.3	<0.1	2.0	4.9
Field bindweed	7.0	1.4	20.0	0.2	2.2	<0.1	1.0	4.1
Flixweed/Tansy mustard	7.0	0.9	13.3	0.1	1.4	<0.1	1.0	3.5
Common purslane	4.7	0.9	20.0	0.3	5.9	<0.1	4.0	3.1
Whitlowwart species	4.7	1.2	25.0	0.1	2.7	<0.1	1.0	3.0
Flax	2.3	0.7	30.0	0.1	5.4	<0.1	3.0	1.8
Giant ragweed	2.3	0.5	20.0	0.1	3.2	<0.1	2.0	1.4
Common cocklebur	2.3	0.2	10.0	0.1	4.3	<0.1	4.0	1.2
Curly dock	2.3	0.2	10.0	0.1	3.2	<0.1	3.0	1.2
Annual smartweed	2.3	<0.1	<0.1	0.1	5.4	0.1	16.0	1.1
Dandelion	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Lanceleaf sage	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Swamp smartweed	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Sunflower	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Weed free	27.9	7.4	26.7	-	-	-	-	-

Table 19. Bowman county weed infestations based on 11 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	90.9	26.4	29.0	46.3	50.9	3.2	17.8	164.7
Volunteer cereal	45.5	29.1	64.0	9.6	21.1	<0.1	4.6	66.6
Field bindweed	45.5	17.3	38.0	6.1	13.3	<0.1	4.2	46.6
Russian thistle	54.5	16.4	30.0	3.9	7.2	<0.1	2.7	43.7
Wild buckwheat	36.4	16.4	45.0	3.4	9.4	<0.1	2.5	36.5
Kochia	36.4	10.0	27.5	1.8	4.8	<0.1	2.8	26.2
Wild oat	18.2	11.8	65.0	2.9	16.1	<0.1	3.5	24.7
Field pennycress	18.2	7.3	40.0	1.7	9.1	<0.1	2.5	17.2
Pigweed species	9.1	8.2	90.0	1.7	18.3	<0.1	5.0	15.1
Common lambsquarters	18.2	2.7	15.0	0.3	1.6	<0.1	1.0	9.5
Safflower	9.1	3.6	40.0	0.5	5.4	<0.1	2.0	7.8
Sunflower	9.1	1.8	20.0	0.3	3.2	<0.1	2.0	5.5
Flixweed/Tansy mustard	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Horseweed	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Weed free	27.3	5.5	20.0	-	-	-	-	-

Table 20. Burke county weed infestations based on 24 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	50.0	12.1	24.2	25.7	51.5	0.8	33.0	88.8
Wild oat	70.8	17.1	24.1	16.9	23.8	0.4	7.0	80.0
Quackgrass	41.7	9.6	23.0	8.7	21.0	<0.1	9.6	43.9
Kochia	16.7	5.0	30.0	3.2	19.1	<0.1	11.0	18.0
Wild mustard	25.0	5.0	20.0	1.4	5.7	<0.1	3.8	16.7
Yellow foxtail	20.8	3.8	18.0	1.2	5.8	<0.1	3.2	13.5
Pigweed species	16.7	3.8	22.5	1.3	8.1	<0.1	3.5	12.4
Wild buckwheat	16.7	3.8	22.5	1.0	6.2	<0.1	4.3	11.7
Canada thistle	12.5	2.5	20.0	1.5	11.8	<0.1	6.3	10.1
Field pennycress	4.2	3.8	90.0	1.2	28.0	<0.1	5.0	7.9
Flixweed/Tansy mustard	4.2	0.8	20.0	0.2	4.3	<0.1	2.0	2.6
Weed free	70.8	38.8	54.7	-	-	-	-	-

Table 21. Burleigh county weed infestations based on 15 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity (%)		Weed Density -- Plants/m <sup>2</sup> --		Weed Density Range -- Plants/m <sup>2</sup> --		Weed Index
		All	Infested	All	Infested	Low	High	
Green foxtail	106.7	47.3	44.4	36.7	34.4	3.4	24.8	168.5
Wild buckwheat	86.7	25.3	29.2	7.7	8.9	<0.1	4.1	72.1
Wild oat	60.0	26.7	44.4	6.7	11.1	<0.1	3.4	62.2
Common lambsquarters	46.7	18.0	38.6	4.4	9.5	<0.1	3.0	43.9
Sunflower	33.3	11.3	34.0	2.3	6.9	<0.1	2.6	27.8
Russian thistle	33.3	8.7	26.0	3.4	10.1	<0.1	4.2	27.6
Wild mustard	40.0	9.3	23.3	1.9	4.7	<0.1	2.8	27.0
Pigweed species	40.0	8.0	20.0	1.9	4.7	<0.1	3.3	25.7
Volunteer cereal	20.0	9.3	46.7	2.5	12.6	<0.1	4.0	21.9
Field bindweed	26.7	6.7	25.0	2.5	9.4	<0.1	4.5	21.4
Kochia	26.7	5.3	20.0	2.4	8.9	<0.1	6.3	19.7
Canada thistle	13.3	5.3	40.0	2.4	17.8	<0.1	6.5	15.3
Perennial sowthistle	20.0	4.0	20.0	1.8	9.0	<0.1	4.7	14.9
Quackgrass	13.3	5.3	40.0	1.7	12.4	<0.1	5.0	13.6
Field pennycress	20.0	3.3	16.7	0.4	1.8	<0.1	1.0	10.8
Downy brome	6.7	3.3	50.0	1.6	23.7	<0.1	6.0	9.2
Dandelion	13.3	2.0	15.0	0.3	2.2	<0.1	1.5	7.1
Fairy candleabra	13.3	2.0	15.0	0.3	2.2	<0.1	1.5	7.1
Soybean	6.7	1.3	20.0	0.2	3.2	<0.1	2.0	4.1
Prickly lettuce	6.7	1.3	20.0	0.2	3.2	<0.1	2.0	4.1
Flax	6.7	1.3	20.0	0.1	2.2	<0.1	1.0	3.9
Marshelder	6.7	0.7	10.0	0.2	3.2	<0.1	3.0	3.4
Common purslane	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Shepherd's-purse	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Horsetail	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Horseweed	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Foxtail barley	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Common ragweed	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Common cocklebur	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Weed free	20.0	4.7	23.3	-	-	-	-	-

Table 22. Cass county weed infestations based on 84 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	52.4	19.5	37.3	17.9	34.1	0.7	16.7	78.7
Wild mustard	58.3	19.3	33.1	6.2	10.7	<0.1	3.9	53.2
Wild buckwheat	45.2	12.0	26.6	4.1	9.1	<0.1	3.6	36.7
Wild oat	26.2	6.7	25.5	6.2	23.5	0.3	13.1	29.7
Soybean	35.7	9.0	25.3	1.6	4.5	<0.1	1.9	24.7
Common ragweed	28.6	8.6	30.0	2.5	8.8	<0.1	3.7	24.0
Canada thistle	29.8	7.1	24.0	2.4	8.1	<0.1	3.8	22.7
Kochia	21.4	6.5	30.6	3.6	16.7	0.3	16.6	22.1
Yellow foxtail	17.9	3.9	22.0	4.9	27.5	0.3	17.5	21.3
Common lambsquarters	28.6	5.1	17.9	2.4	8.4	<0.1	5.4	20.3
Common cocklebur	25.0	5.5	21.9	1.2	4.7	<0.1	2.1	16.6
Eastern black nightshade	16.7	6.0	35.7	1.9	11.1	<0.1	4.7	15.8
Pigweed species	13.1	4.5	34.5	1.9	14.5	<0.1	5.5	13.3
Sunflower	8.3	3.1	37.1	1.3	15.1	<0.1	7.0	8.8
Common milkweed	11.9	2.3	19.0	0.7	5.5	<0.1	3.1	7.8
Quackgrass	8.3	1.3	15.7	0.8	9.5	<0.1	6.1	5.9
Volunteer cereal	2.4	1.5	65.0	0.3	14.5	<0.1	3.0	3.1
Dry bean	3.6	0.7	20.0	0.1	3.9	<0.1	2.3	2.2
Venice mallow	3.6	0.5	13.3	0.1	2.5	<0.1	1.7	1.9
Russian thistle	1.2	0.7	60.0	0.1	10.8	<0.1	3.0	1.4
Annual smartweed	2.4	0.2	10.0	0.1	2.7	<0.1	2.5	1.2
Perennial sowthistle	2.4	0.2	10.0	<0.1	1.6	<0.1	1.5	1.1
Common mallow	2.4	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Tall waterhemp	1.2	0.4	30.0	0.1	7.5	<0.1	3.0	1.0
Field pennycress	1.2	0.4	30.0	<0.1	3.2	<0.1	1.0	0.8
Biennial wormwood	1.2	0.2	20.0	<0.1	2.2	<0.1	1.0	0.7
Prickly lettuce	1.2	0.1	10.0	<0.1	3.2	<0.1	3.0	0.6
Giant ragweed	1.2	0.1	10.0	<0.1	2.2	<0.1	2.0	0.6
Marshelder	1.2	0.1	10.0	<0.1	1.1	<0.1	1.0	0.5
Barnyardgrass	1.2	0.1	10.0	<0.1	1.1	<0.1	1.0	0.5
Weed free	41.7	12.5	30.0	-	-	-	-	-



Table 23. Cavalier county weed infestations based on 52 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Wild mustard	60.0	22.4	37.4	11.0	18.6	0.4	8.4	68.1
Wild oat	40.0	13.9	33.0	15.8	18.7	0.3	12.3	64.1
Green foxtail	39.1	18.0	28.0	11.3	28.1	0.6	25.4	57.4
Canada thistle	51.3	14.7	29.6	5.4	10.9	<0.1	4.5	44.4
Wild buckwheat	39.5	14.7	38.3	5.4	14.2	<0.1	4.5	40.5
Kochia	27.0	9.9	34.5	4.9	17.1	<0.1	7.7	30.3
Pigweed species	22.7	8.3	37.4	6.0	20.8	0.1	5.1	29.9
Yellow foxtail	18.2	5.9	28.6	6.1	31.1	0.4	10.8	26.2
Quackgrass	23.6	5.7	24.5	2.7	14.5	<0.1	6.4	19.9
Annual smartweed	20.7	5.2	12.5	1.8	4.4	<0.1	2.3	16.3
Common lambsquarters	15.7	3.7	22.7	2.0	11.2	<0.1	3.9	13.6
Common mallow	14.2	3.2	28.9	1.8	12.2	<0.1	8.9	12.1
Prickly lettuce	15.0	4.1	25.0	1.0	5.6	<0.1	2.4	11.4
Sunflower	6.8	3.5	45.0	2.0	28.0	<0.1	8.0	10.4
Canola	5.4	2.3	42.3	2.3	57.7	<0.1	31.6	9.5
Field pennycress	7.2	2.2	11.7	2.0	20.1	<0.1	8.0	9.3
Volunteer cereal	6.8	1.5	11.7	2.3	43.4	<0.1	33.0	9.1
Russian thistle	15.2	2.2	15.0	0.3	2.2	<0.1	1.5	8.0
Common ragweed	12.0	1.4	10.9	0.7	3.8	<0.1	3.4	7.0
Shepherd's-purse	4.7	2.8	28.8	0.7	7.7	<0.1	4.1	6.0
Common milkweed	8.8	1.3	14.2	0.3	3.0	<0.1	2.0	4.9
Common cocklebur	3.3	0.8	15.2	1.0	3.8	<0.1	1.0	4.2
Dandelion	4.1	1.5	14.7	0.3	2.7	<0.1	1.2	3.6
Perennial sowthistle	5.3	0.7	7.3	<0.1	0.8	<0.1	0.6	2.6
Foxtail barley	2.6	0.2	8.0	<0.1	0.9	<0.1	0.8	1.2
Soybean	0.5	0.3	12.0	<0.1	3.4	<0.1	0.8	0.6
Weed free	44.1	16.3	32.2	-	-	-	-	-

Table 24. Dickey county weed infestations based on 27 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Wild buckwheat	66.7	19.6	29.4	8.3	12.5	0.3	8.8	61.3
Sunflower	51.9	17.0	32.9	11.2	21.7	0.2	8.1	60.6
Wild oat	33.3	14.8	44.4	14.8	44.3	0.9	33.3	60.3
Yellow foxtail	29.6	9.3	31.3	12.4	42.0	<0.1	24.9	48.2
Green foxtail	22.2	10.4	46.7	10.8	48.8	<0.1	20.0	43.1
Common lambsquarters	33.3	9.6	28.9	6.5	19.4	0.2	12.2	35.8
Canada thistle	37.0	9.6	26.0	4.8	13.0	<0.1	5.7	33.2
Wild mustard	29.6	8.1	27.5	4.3	14.7	<0.1	7.5	28.2
Quackgrass	18.5	3.0	16.0	5.1	27.6	<0.1	12.8	21.0
Kochia	25.9	7.8	30.0	1.3	5.1	<0.1	20.9	19.5
Common cocklebur	18.5	4.8	26.0	2.3	12.3	<0.1	4.0	16.3
Pigweed species	18.5	4.4	24.0	1.6	8.4	<0.1	6.0	14.2
Common milkweed	18.5	3.3	18.0	0.8	4.5	<0.1	2.6	11.5
Prickly lettuce	18.5	2.2	12.0	0.4	2.4	<0.1	2.0	9.4
Common ragweed	11.1	3.3	30.0	0.8	7.2	<0.1	3.3	8.9
Common mallow	3.7	2.6	70.0	1.0	25.8	<0.1	6.0	6.1
Barnyardgrass	7.4	1.5	20.0	0.8	11.3	<0.1	7.0	5.9
Field bindweed	7.4	0.7	10.0	0.1	1.6	<0.1	1.5	3.5
Prairie wild rose	3.7	1.1	30.0	0.2	6.5	<0.1	3.0	2.9
Dandelion	3.7	0.4	10.0	0.2	4.3	<0.1	4.0	2.0
Perennial sowthistle	3.7	0.4	10.0	0.1	2.2	<0.1	2.0	1.8
Weed free	44.4	21.1	47.5	-	-	-	-	-

Table 25. Divide county weed infestations based on 23 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	69.6	24.3	35.0	31.0	44.6	1.1	31.5	119.9
Quackgrass	52.2	16.5	31.7	10.9	20.9	<0.1	12.9	59.4
Field pennycress	52.2	17.4	33.3	9.3	17.9	<0.1	10.6	56.5
Pigweed species	60.9	15.7	25.7	6.2	10.2	<0.1	5.1	50.5
Canada thistle	52.2	13.0	25.0	4.2	8.0	<0.1	4.1	40.2
Kochia	34.8	9.1	26.3	7.8	22.3	<0.1	16.4	38.9
Wild oat	30.4	9.6	31.4	4.7	15.4	<0.1	10.7	30.6
Flixweed/Tansy mustard	26.1	7.8	30.0	2.4	9.1	<0.1	4.8	22.1
Shepherd's-purse	21.7	7.0	32.0	3.1	14.2	<0.1	7.4	21.4
Yellow foxtail	8.7	5.7	65.0	5.4	62.4	<0.1	16.0	21.2
Fairy candleabra	17.4	3.9	22.5	1.5	8.3	<0.1	4.3	13.1
Common mallow	8.7	3.0	35.0	1.7	19.9	<0.1	9.0	10.0
Russian thistle	8.7	2.2	25.0	1.4	16.1	<0.1	10.5	8.3
Dandelion	8.7	2.2	25.0	0.6	6.5	<0.1	3.0	6.4
Wild buckwheat	8.7	1.7	20.0	0.4	4.8	<0.1	2.5	5.6
Prickly lettuce	4.3	2.2	50.0	0.6	14.0	<0.1	6.0	5.0
Hedge bindweed	8.7	1.3	15.0	0.2	2.7	<0.1	1.5	4.7
Barnyardgrass	8.7	0.9	10.0	0.4	4.3	<0.1	4.0	4.6
Wild mustard	8.7	1.3	15.0	0.2	2.2	<0.1	1.5	4.6
Volunteer cereal	8.7	0.9	10.0	0.3	3.8	<0.1	3.5	4.5
Field bindweed	8.7	0.9	10.0	0.1	1.1	<0.1	1.0	4.0
Common milkweed	4.3	0.4	10.0	0.2	5.4	<0.1	5.0	2.4
Common cocklebur	4.3	0.4	10.0	<0.1	1.1	<0.1	1.0	2.0
Weed free	26.1	5.7	21.7	-	-	-	-	-

Table 26. Dunn county weed infestations based on 11 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	81.8	10.9	13.3	44.5	54.4	3.9	27.0	142.1
Wild oat	63.6	30.9	48.6	6.9	10.9	<0.1	3.0	68.3
Volunteer cereal	54.5	31.8	58.3	6.8	12.4	<0.1	3.2	65.8
Wild buckwheat	36.4	8.2	22.5	14.4	39.6	0.5	7.0	53.9
Wild mustard	27.3	14.5	53.3	2.8	10.4	<0.1	2.7	30.3
Common lambsquarters	27.3	13.6	50.0	2.6	9.7	<0.1	3.0	28.9
Russian thistle	36.4	7.3	20.0	1.4	3.8	<0.1	2.3	22.6
Hedge bindweed	18.2	10.0	55.0	2.1	11.3	<0.1	3.0	20.9
Kochia	18.2	6.4	35.0	1.0	5.4	<0.1	2.0	14.7
Barnyardgrass	9.1	6.4	70.0	2.2	23.7	<0.1	7.0	14.4
Flixweed/Tansy mustard	18.2	4.5	25.0	0.6	3.2	<0.1	1.5	12.0
Pigweed species	9.1	2.7	30.0	0.4	4.3	<0.1	2.0	6.7
Field bindweed	9.1	0.9	10.0	0.5	5.4	<0.1	5.0	5.1
Prairie wild rose	9.1	0.9	10.0	0.4	4.3	<0.1	4.0	4.9
Common purslane	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Weed free	27.3	6.4	23.3	-	-	-	-	-

Table 27. Eddy county weed infestations based on 12 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Wild mustard	75.0	41.7	55.6	28.5	38.0	0.2	9.2	133.2
Green foxtail	58.3	32.5	55.7	27.2	46.6	0.9	14.1	115.4
Wild buckwheat	66.7	32.5	48.8	18.8	28.3	0.1	7.6	98.7
Wild oat	50.0	17.5	35.0	12.6	25.1	0.5	13.2	63.5
Canada thistle	66.7	19.2	28.8	7.8	11.7	0.1	4.0	59.6
Yellow foxtail	33.3	16.7	50.0	13.5	40.4	0.2	13.8	59.2
Common lambsquarters	33.3	15.8	47.5	5.8	17.5	<0.1	5.5	40.5
Common ragweed	8.3	6.7	80.0	5.9	71.0	<0.1	13.0	23.3
Sunflower	25.0	9.2	36.7	1.7	6.8	<0.1	2.3	21.5
Pigweed species	16.7	8.3	50.0	3.1	18.8	<0.1	5.0	21.2
Quackgrass	16.7	5.8	35.0	3.2	19.4	<0.1	8.0	18.9
Common milkweed	25.0	6.7	26.7	1.5	6.1	<0.1	3.0	18.6
Hairy nightshade	16.7	<0.1	<0.1	4.3	25.8	0.7	20.0	15.6
Field pennycress	16.7	4.2	25.0	1.1	6.5	<0.1	3.5	12.2
Field bindweed	8.3	5.8	70.0	1.4	17.2	<0.1	3.0	12.0
Prickly lettuce	8.3	4.2	50.0	0.8	9.7	<0.1	3.0	8.8
Leafy spurge	8.3	2.5	30.0	0.4	5.4	<0.1	3.0	6.3
Kochia	8.3	2.5	30.0	0.4	4.3	<0.1	2.0	6.1
Volunteer cereal	8.3	0.8	10.0	0.4	5.4	<0.1	5.0	4.7
Prairie wild rose	8.3	0.8	10.0	0.1	1.1	<0.1	1.0	3.8
Weed free	41.7	14.2	34.0	-	-	-	-	-

Table 28. Emmons county weed infestations based on 24 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Wild buckwheat	75.0	35.0	46.7	13.7	18.3	<0.1	10.2	92.0
Green foxtail	45.8	13.3	29.1	16.2	35.3	0.7	10.5	66.4
Wild oat	41.7	5.0	12.0	11.2	26.8	0.3	9.7	44.9
Sunflower	29.2	5.0	17.1	9.6	33.1	0.2	8.1	37.2
Field bindweed	29.2	8.3	28.6	2.5	8.5	<0.1	4.4	23.8
Wild mustard	20.8	4.6	22.0	1.9	9.0	<0.1	4.6	15.9
Yellow foxtail	16.7	2.5	15.0	3.3	19.6	0.6	12.3	15.7
Russian thistle	12.5	5.8	46.7	1.9	15.4	<0.1	3.7	14.5
Canada thistle	12.5	4.2	33.3	0.8	6.1	<0.1	2.3	10.1
Downy brome	4.2	2.5	60.0	1.8	44.1	<0.1	12.0	8.2
Common lambsquarters	12.5	2.5	20.0	0.4	2.9	<0.1	1.7	7.5
Kochia	8.3	1.3	15.0	0.3	3.2	<0.1	2.5	4.7
Fairy candleabra	4.2	0.8	20.0	0.7	16.1	<0.1	8.0	3.8
Quackgrass	4.2	0.4	10.0	0.4	10.8	<0.1	10.0	2.9
Common milkweed	4.2	0.8	20.0	0.3	6.5	<0.1	4.0	2.9
Whitlowwart species	4.2	0.4	10.0	0.1	2.2	<0.1	2.0	2.0
Common ragweed	4.2	0.4	10.0	<0.1	1.1	<0.1	1.0	1.9
Horseweed	4.2	0.4	10.0	<0.1	1.1	<0.1	1.0	1.9
Field pennycress	4.2	0.4	10.0	<0.1	1.1	<0.1	1.0	1.9
Weed free	62.5	22.9	36.7	-	-	-	-	-

Table 29. Foster county weed infestations based on 21 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Wild mustard	95.2	59.0	62.0	25.0	26.3	<0.1	7.2	149.2
Pigweed species	81.0	40.0	49.4	17.6	21.8	<0.1	7.1	108.1
Green foxtail	52.4	32.9	62.7	13.7	26.2	<0.1	6.6	82.4
Canada thistle	71.4	26.2	36.7	7.8	10.9	<0.1	4.4	68.2
Kochia	28.6	8.6	30.0	13.9	48.6	1.0	27.7	50.5
Wild oat	28.6	9.5	33.3	2.8	9.9	<0.1	4.5	25.6
Sunflower	14.3	4.3	30.0	6.5	45.2	0.9	32.0	24.1
Wild buckwheat	23.8	9.0	38.0	2.5	10.3	<0.1	4.4	22.7
Yellow foxtail	14.3	5.7	40.0	1.7	11.8	<0.1	3.0	14.4
Common cocklebur	14.3	4.3	30.0	1.0	7.2	<0.1	3.3	11.4
Common ragweed	14.3	3.3	23.3	0.8	5.7	<0.1	3.0	10.0
Common lambsquarters	9.5	3.3	35.0	1.3	13.5	<0.1	5.0	9.5
Giant ragweed	4.8	1.9	40.0	0.5	10.8	<0.1	4.0	4.7
Dandelion	4.8	0.5	10.0	0.1	1.1	<0.1	1.0	2.2
Weed free	23.8	4.3	18.0	-	-	-	-	-

Table 30. Golden Valley county weed infestations based on 10 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	90.0	15.0	16.7	43.2	48.0	6.8	23.2	145.7
Wild oat	50.0	19.0	38.0	17.8	35.5	0.2	6.8	77.1
Russian thistle	70.0	26.0	37.1	9.6	13.7	<0.1	5.3	71.7
Field bindweed	40.0	15.0	37.5	7.1	17.8	<0.1	7.0	44.9
Kochia	40.0	17.0	42.5	3.2	8.1	<0.1	2.3	37.9
Sunflower	20.0	11.0	55.0	2.7	13.5	<0.1	3.0	23.9
Wild mustard	10.0	9.0	90.0	2.8	28.0	<0.1	5.0	18.9
Field pea	10.0	8.0	80.0	1.8	18.3	<0.1	3.0	15.6
Safflower	10.0	7.0	70.0	2.2	21.5	<0.1	4.0	15.4
Wild buckwheat	10.0	<0.1	<0.1	4.1	40.9	0.1	7.0	12.9
Prickly lettuce	10.0	5.0	50.0	1.2	11.8	<0.1	3.0	11.1
Alfalfa	10.0	4.0	40.0	0.5	5.4	<0.1	2.0	8.6
Leafy spurge	10.0	2.0	20.0	0.8	7.5	<0.1	4.0	7.1
Common lambsquarters	10.0	2.0	20.0	0.3	3.2	<0.1	2.0	6.1
Flixweed/Tansy mustard	10.0	2.0	20.0	0.2	2.2	<0.1	1.0	5.8
Prairie wild rose	10.0	1.0	10.0	0.2	2.2	<0.1	2.0	4.8
Weed free	30.0	9.0	30.0	-	-	-	-	-

Table 31. Grand Forks county weed infestations based on 38 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	57.9	20.5	35.5	17.8	30.7	0.1	11.5	81.3
Wild mustard	81.6	27.6	33.9	8.9	10.9	0.1	3.8	75.6
Yellow foxtail	34.2	11.6	33.8	10.9	31.8	0.1	17.5	48.4
Wild buckwheat	39.5	11.3	28.7	2.5	6.2	<0.1	2.9	30.2
Wild oat	18.4	7.6	41.4	6.7	36.6	0.3	28.7	29.5
Eastern black nightshade	31.6	9.7	30.8	3.8	12.0	<0.1	4.5	29.1
Common lambsquarters	26.3	7.9	30.0	3.6	13.6	<0.1	6.8	25.0
Kochia	21.1	3.9	18.8	2.0	9.6	<0.1	5.6	15.7
Pigweed species	13.2	2.4	18.0	2.4	18.3	0.1	13.0	12.4
Canada thistle	15.8	3.2	20.0	0.6	3.6	<0.1	2.2	9.7
Quackgrass	5.3	1.6	30.0	1.7	32.3	<0.1	10.5	7.3
Perennial sowthistle	2.6	2.1	80.0	1.3	48.4	<0.1	16.0	6.0
Common mallow	5.3	0.8	15.0	0.4	7.5	<0.1	6.0	3.5
Soybean	5.3	1.1	20.0	0.2	3.2	<0.1	2.0	3.2
Common milkweed	5.3	0.8	15.0	0.2	3.8	<0.1	3.0	3.0
Field bindweed	5.3	0.5	10.0	0.1	2.7	<0.1	2.5	2.6
Common ragweed	5.3	0.5	10.0	0.1	2.2	<0.1	2.0	2.5
Common cocklebur	2.6	0.8	30.0	0.1	5.4	<0.1	2.0	2.0
Volunteer cereal	2.6	0.3	10.0	0.3	12.9	<0.1	12.0	1.9
Field pennycress	2.6	0.5	20.0	0.1	2.2	<0.1	1.0	1.5
Annual smartweed	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Weed free	71.1	25.5	35.9	-	-	-	-	-

Table 32. Grant county weed infestations based on 16 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	75.0	37.5	50.0	19.6	26.2	0.6	11.8	108.3
Volunteer cereal	43.8	23.1	52.9	7.9	18.1	<0.1	6.3	56.2
Sunflower	25.0	14.4	57.5	9.3	37.1	0.1	12.3	44.4
Pigweed species	56.3	16.9	30.0	3.2	5.6	<0.1	2.3	43.0
Russian thistle	43.8	13.8	31.4	4.6	10.5	<0.1	6.3	39.0
Wild oat	37.5	15.6	41.7	3.8	10.0	0.1	7.0	36.9
Field bindweed	43.8	15.6	35.7	2.7	6.2	<0.1	2.4	36.5
Kochia	31.3	8.1	26.0	6.5	20.7	0.1	7.4	33.6
Field pennycress	25.0	10.6	42.5	6.0	24.0	<0.1	10.0	32.9
Flixweed/Tansy mustard	31.3	11.9	38.0	1.9	6.0	<0.1	2.4	26.7
Common lambsquarters	31.3	8.1	26.0	1.2	3.9	<0.1	1.8	21.4
Wild buckwheat	18.8	5.6	30.0	1.1	6.1	<0.1	2.7	14.5
Prickly lettuce	18.8	4.4	23.3	0.7	3.9	<0.1	2.0	12.4
Canada thistle	12.5	2.5	20.0	0.7	5.4	<0.1	2.5	8.2
Sweetclover	12.5	2.5	20.0	0.3	2.2	<0.1	1.0	7.3
Wild mustard	6.3	3.8	60.0	0.6	9.7	<0.1	3.0	7.2
Downy brome	6.3	1.9	30.0	0.5	7.5	<0.1	4.0	5.1
Dandelion	6.3	1.9	30.0	0.2	3.2	<0.1	1.0	4.4
Quackgrass	6.3	1.3	20.0	0.2	3.2	<0.1	2.0	3.8
Common mallow	6.3	1.3	20.0	0.2	3.2	<0.1	2.0	3.8
Greenflower pepperweed	6.3	1.3	20.0	0.1	2.2	<0.1	1.0	3.6
Curly dock	6.3	1.3	20.0	0.1	2.2	<0.1	1.0	3.6
Common milkweed	6.3	0.6	10.0	0.3	4.3	<0.1	4.0	3.3
Weed free	12.5	1.3	10.0	-	-	-	-	-

Table 33. Griggs county weed infestations based on 19 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	78.9	21.1	26.7	33.5	42.4	1.8	18.6	125.5
Yellow foxtail	73.7	38.9	52.9	21.5	29.1	0.2	11.3	113.6
Wild buckwheat	68.4	25.8	37.7	5.8	8.4	<0.1	3.2	62.1
Wild mustard	63.2	22.6	35.8	7.9	12.5	0.1	4.3	62.1
Pigweed species	47.4	16.3	34.4	11.7	24.8	0.2	8.8	59.5
Canada thistle	78.9	22.1	28.0	4.4	5.5	<0.1	2.4	58.6
Volunteer cereal	42.1	20.0	47.5	5.1	12.1	<0.1	3.4	45.9
Kochia	36.8	14.7	40.0	6.4	17.4	<0.1	7.4	42.0
Wild oat	47.4	14.2	30.0	3.4	7.2	<0.1	2.8	37.9
Common lambsquarters	36.8	5.8	15.7	0.8	2.3	<0.1	1.4	20.1
Quackgrass	26.3	4.7	18.0	1.0	3.9	<0.1	2.6	15.9
Nightflowering catchfly	15.8	5.8	36.7	1.6	10.4	<0.1	4.0	14.9
Annual smartweed	10.5	2.6	25.0	1.1	10.8	<0.1	8.0	8.8
Common milkweed	15.8	2.6	16.7	0.3	1.8	<0.1	1.0	8.6
Flax	5.3	3.2	60.0	1.5	28.0	<0.1	12.0	8.3
Perennial sowthistle	10.5	2.6	25.0	0.7	7.0	<0.1	3.5	7.9
Prostrate pigweed	5.3	2.6	50.0	1.2	23.7	<0.1	10.0	7.3

Giant ragweed	10.5	2.6	25.0	0.3	2.7	<0.1	1.0	6.8
Table 33 (continued).								
Sunflower	5.3	3.2	60.0	0.5	9.7	<0.1	2.0	6.1
Alfalfa	5.3	2.6	50.0	0.5	9.7	<0.1	3.0	5.6
Soybean	5.3	2.6	50.0	0.5	9.7	<0.1	4.0	5.6
Dandelion	5.3	2.6	50.0	0.3	6.5	<0.1	2.0	5.2
Canola	5.3	2.1	40.0	0.2	4.3	<0.1	1.0	4.4
Russian thistle	5.3	0.5	10.0	0.1	2.2	<0.1	2.0	2.5
Common ragweed	5.3	0.5	10.0	0.1	1.1	<0.1	1.0	2.4
Common cocklebur	5.3	0.5	10.0	0.1	1.1	<0.1	1.0	2.4
Prairie wild rose	5.3	0.5	10.0	0.1	1.1	<0.1	1.0	2.4
Marshelder	5.3	0.5	10.0	0.1	1.1	<0.1	1.0	2.4
Greenflower pepperweed	5.3	0.5	10.0	0.1	1.1	<0.1	1.0	2.4
Weed free	21.1	3.2	15.0	-	-	-	-	-

Table 34. Hettinger county weed infestations based on 32 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All -- Plants/m <sup>2</sup>	Infested --	Low --	High --	
Green foxtail	87.5	38.4	43.9	20.2	23.1	0.2	9.2	114.8
Wild oat	65.6	23.4	35.7	7.5	11.4	<0.1	4.2	62.7
Kochia	43.8	18.8	42.9	9.6	21.8	0.1	17.9	55.6
Russian thistle	34.4	15.0	43.6	4.2	12.2	<0.1	4.4	36.3
Wild buckwheat	43.8	13.8	31.4	3.1	7.2	<0.1	2.6	35.6
Volunteer cereal	28.1	12.5	44.4	4.0	14.2	<0.1	6.0	31.2
Pigweed species	31.3	10.9	35.0	2.6	8.4	<0.1	3.2	27.5
Field bindweed	31.3	7.5	24.0	1.5	4.7	<0.1	2.1	21.4
Prickly lettuce	28.1	8.1	28.9	1.0	3.7	<0.1	1.6	19.9
Field pennycress	25.0	6.6	26.3	1.4	5.8	<0.1	2.9	18.3
Common lambsquarters	21.9	7.5	34.3	1.3	6.0	<0.1	2.4	17.9
Canola	12.5	5.6	45.0	2.7	21.8	<0.1	6.8	16.1
Wild mustard	21.9	5.9	27.1	0.8	3.5	<0.1	1.6	15.0
Flixweed/Tansy mustard	18.8	5.0	26.7	0.8	4.3	<0.1	2.2	13.1
Dandelion	15.6	4.7	30.0	0.7	4.3	<0.1	1.8	11.5
Sunflower	9.4	3.8	40.0	1.7	18.7	<0.1	6.0	11.0
Curly dock	15.6	2.5	16.0	0.4	2.4	<0.1	1.6	8.6
Prairie wild rose	9.4	2.2	23.3	0.4	4.7	<0.1	2.7	6.3
Common ragweed	6.3	1.6	25.0	0.3	4.8	<0.1	2.5	4.4
Quackgrass	6.3	1.3	20.0	0.3	4.8	<0.1	3.5	4.0
Barnyardgrass	6.3	0.6	10.0	0.1	1.6	<0.1	1.5	2.9
Perennial sowthistle	3.1	0.9	30.0	0.1	4.3	<0.1	2.0	2.3
Canada thistle	3.1	0.6	20.0	0.1	3.2	<0.1	2.0	1.9
Common milkweed	3.1	0.6	20.0	0.1	2.2	<0.1	1.0	1.8
Common mallow	3.1	0.6	20.0	0.1	2.2	<0.1	1.0	1.8
Field sandbur	3.1	0.6	20.0	0.1	2.2	<0.1	1.0	1.8
Downy brome	3.1	0.3	10.0	0.1	3.2	<0.1	3.0	1.6
Yellow foxtail	3.1	0.3	10.0	0.1	2.2	<0.1	2.0	1.5
Wild-proso millet	3.1	0.3	10.0	0.1	2.2	<0.1	2.0	1.5
Annual smartweed	3.1	0.3	10.0	<0.1	1.1	<0.1	1.0	1.4
Weed free	6.3	1.3	20.0	-	-	-	-	-

Table 35. Kidder county weed infestations based on 10 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	100.0	37.0	37.0	49.4	49.4	3.8	43.7	185.6
Wild buckwheat	80.0	42.0	52.5	39.1	48.8	1.5	18.3	159.8
Wild mustard	70.0	25.0	35.7	11.5	16.5	0.2	9.6	75.2
Common lambsquarters	80.0	20.0	25.0	11.9	14.9	0.1	4.9	74.5
Quackgrass	60.0	18.0	30.0	11.4	19.0	<0.1	9.7	64.6
Pigweed species	40.0	14.0	35.0	5.3	13.2	<0.1	6.0	39.6
Wild oat	40.0	11.0	27.5	3.6	8.9	<0.1	3.8	32.6
Field bindweed	40.0	10.0	25.0	1.1	2.7	<0.1	1.0	25.8
Shepherd's-purse	20.0	7.0	35.0	5.1	25.3	<0.1	9.5	25.5
Leafy spurge	10.0	9.0	90.0	5.3	52.7	0.1	13.0	24.6
Canada thistle	30.0	4.0	13.3	1.2	3.9	<0.1	3.3	16.8
Field pennycress	20.0	4.0	20.0	0.8	3.8	<0.1	2.0	12.4
Perennial sowthistle	10.0	3.0	30.0	2.3	22.6	<0.1	18.0	11.6
Sunflower	10.0	4.0	40.0	1.2	11.8	<0.1	6.0	10.1
Foxtail barley	20.0	2.0	10.0	0.2	1.1	<0.1	1.0	9.2
Common milkweed	10.0	1.0	10.0	0.5	5.4	<0.1	5.0	5.6
Prickly lettuce	10.0	1.0	10.0	0.3	3.2	<0.1	3.0	5.1
Yellow foxtail	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Sweetclover	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Weed free	10.0	2.0	20.0	-	-	-	-	-

Table 36. LaMoure county weed infestations based on 38 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	57.9	15.5	26.8	15.7	27.2	3.8	21.3	71.6
Wild mustard	52.6	18.7	35.5	10.0	18.9	0.1	11.9	59.5
Pigweed species	44.7	17.1	38.2	4.8	10.8	<0.1	3.5	43.3
Sunflower	34.2	13.7	40.0	6.8	19.9	0.1	6.0	41.0
Yellow foxtail	21.1	8.9	42.5	9.5	45.2	0.7	32.6	38.2
Canada thistle	50.0	13.7	27.4	2.7	5.4	<0.1	2.3	36.7
Wild oat	23.7	7.4	31.1	4.3	18.1	0.1	8.3	25.2
Common lambsquarters	21.1	7.6	36.3	3.0	14.3	<0.1	5.4	21.7
Kochia	13.2	5.0	38.0	4.3	32.7	0.1	10.4	19.4
Wild buckwheat	21.1	7.6	36.3	1.6	7.5	<0.1	3.1	18.4
Quackgrass	26.3	3.4	13.0	1.1	4.1	<0.1	3.3	14.7
Eastern black nightshade	18.4	3.9	21.4	0.8	4.6	<0.1	1.9	12.1
Soybean	13.2	3.4	26.0	0.5	3.9	<0.1	2.0	9.0
Common milkweed	13.2	2.4	18.0	0.4	2.8	<0.1	1.6	7.6
Flax	2.6	2.4	90.0	1.8	66.7	<0.1	33.0	7.3
Volunteer cereal	13.2	2.1	16.0	0.3	2.4	<0.1	1.6	7.2
Common ragweed	13.2	1.8	14.0	0.3	2.4	<0.1	1.2	7.0
Perennial sowthistle	10.5	1.6	15.0	0.2	2.2	<0.1	1.5	5.6
Field pennycress	7.9	1.6	20.0	0.3	3.2	<0.1	1.7	4.8
Field bindweed	7.9	1.3	16.7	0.2	2.5	<0.1	1.7	4.4
Prickly lettuce	7.9	1.1	13.3	0.1	1.4	<0.1	1.0	3.9
Russian thistle	5.3	0.5	10.0	0.2	3.8	<0.1	3.5	2.7
Common cocklebur	5.3	0.8	15.0	0.1	1.6	<0.1	1.0	2.7
Barnyardgrass	2.6	0.5	20.0	0.5	17.2	<0.1	11.0	2.5
Horseweed	2.6	0.5	20.0	0.1	3.2	<0.1	2.0	1.6
Curly dock	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Dandelion	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Prairie wild rose	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Weed free	52.6	17.1	32.5	-	-	-	-	-



Table 37. Logan county weed infestations based on 11 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	90.9	54.5	60.0	23.1	25.4	<0.1	21.3	138.7
Wild buckwheat	72.7	29.1	40.0	13.7	18.8	<0.1	9.8	85.3
Wild oat	45.5	17.3	38.0	20.8	45.9	0.6	19.4	81.1
Wild mustard	36.4	20.0	55.0	11.8	32.6	<0.1	11.5	59.7
Sunflower	36.4	19.1	52.5	4.9	13.5	<0.1	4.3	42.6
Field bindweed	45.5	10.0	22.0	2.5	5.6	<0.1	3.4	31.1
Common lambsquarters	27.3	9.1	33.3	5.0	18.3	<0.1	5.7	29.8
Kochia	18.2	4.5	25.0	8.1	44.7	<0.1	50.0	29.6
Pigweed species	27.3	8.2	30.0	1.4	5.0	<0.1	2.3	20.5
Quackgrass	36.4	3.6	10.0	1.5	4.0	<0.1	3.8	19.2
Canola	9.1	<0.1	<0.1	6.8	74.3	0.2	20.0	18.8
Russian thistle	27.3	2.7	10.0	0.3	1.1	<0.1	1.0	12.5
Canada thistle	18.2	3.6	20.0	0.8	4.3	<0.1	2.0	11.5
Volunteer cereal	18.2	3.6	20.0	0.7	3.8	<0.1	2.5	11.3
Field pennycress	18.2	1.8	10.0	0.2	1.1	<0.1	1.0	8.3
Fairy candleabra	9.1	3.6	40.0	0.4	4.3	<0.1	1.0	7.6
Perennial sowthistle	9.1	0.9	10.0	0.3	3.2	<0.1	3.0	4.6
Shepherd's-purse	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Common purslane	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Yellow foxtail	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Weed free	27.3	12.7	46.7	-	-	-	-	-

Table 38. McHenry county weed infestations based on 25 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	92.0	43.6	47.4	48.4	52.6	2.1	36.3	187.1
Wild buckwheat	56.0	18.8	33.6	7.9	14.1	0.1	5.8	56.0
Volunteer cereal	32.0	22.4	70.0	8.6	26.8	<0.1	8.6	53.1
Wild mustard	32.0	13.6	42.5	4.6	14.4	<0.1	5.1	35.0
Common lambsquarters	20.0	10.4	52.0	3.1	15.3	<0.1	17.6	24.2
Kochia	24.0	6.8	28.3	3.7	15.2	0.2	17.7	23.3
Field bindweed	28.0	9.6	36.7	2.3	8.8	<0.1	4.0	23.2
Canada thistle	28.0	5.2	18.6	1.9	6.9	<0.1	5.4	19.1
Sunflower	8.0	5.6	70.0	4.1	51.7	<0.1	24.5	17.9
Wild oat	16.0	5.6	35.0	2.4	14.8	<0.1	6.3	16.5
Perennial sowthistle	16.0	3.2	20.0	0.9	5.7	<0.1	3.3	10.6
Field pennycress	4.0	0.4	10.0	2.7	66.7	<0.1	62.0	8.0
Quackgrass	8.0	2.0	25.0	0.9	11.8	<0.1	6.0	6.9
Lanceleaf sage	4.0	2.4	60.0	0.9	22.6	<0.1	10.0	5.8
Foxtail barley	4.0	1.6	40.0	1.2	30.1	<0.1	12.0	5.7
Russian thistle	4.0	2.4	60.0	0.8	20.5	<0.1	10.0	5.6
Pigweed species	8.0	2.0	25.0	0.4	4.8	<0.1	2.0	5.6
Horsetail	8.0	1.2	15.0	0.4	5.4	<0.1	4.5	4.9
Dandelion	8.0	1.6	20.0	0.3	3.2	<0.1	2.0	4.9
Flixweed/Tansy mustard	8.0	0.8	10.0	0.3	3.8	<0.1	3.5	4.2
Common ragweed	8.0	1.2	15.0	0.1	1.6	<0.1	1.0	4.2
Horseweed	4.0	1.6	40.0	0.3	8.6	<0.1	3.0	3.7
Common chickweed	4.0	1.2	30.0	0.4	9.7	<0.1	6.0	3.4
Shepherd's-purse	4.0	0.4	10.0	0.5	12.9	<0.1	12.0	2.9
Greenflower pepperweed	4.0	1.2	30.0	0.2	4.3	<0.1	2.0	2.9
Common milkweed	4.0	0.4	10.0	0.1	2.2	<0.1	2.0	1.9
Annual smartweed	4.0	0.4	10.0	<0.1	1.1	<0.1	1.0	1.8
Weed free	32.0	8.4	26.3	-	-	-	-	-

Table 39. McIntosh county weed infestations based on 16 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Wild buckwheat	87.5	33.8	38.6	16.3	18.6	<0.1	6.5	100.9
Yellow foxtail	31.3	11.9	38.0	14.5	46.5	0.8	20.8	56.2
Green foxtail	31.3	12.5	40.0	13.5	43.1	0.4	15.6	54.3
Wild oat	37.5	15.0	40.0	8.9	23.9	<0.1	10.0	48.4
Canada thistle	50.0	15.0	30.0	5.1	10.2	<0.1	3.5	43.6
Wild mustard	37.5	13.8	36.7	5.7	15.1	<0.1	6.7	39.4
Field bindweed	31.3	8.8	28.0	2.7	8.6	<0.1	4.8	25.4
Sunflower	25.0	6.3	25.0	3.8	15.1	0.1	4.5	23.4
Kochia	25.0	8.8	35.0	2.3	9.1	<0.1	11.8	22.4
Common lambsquarters	25.0	6.3	25.0	1.1	4.6	<0.1	2.5	17.3
Prickly lettuce	25.0	5.6	22.5	1.1	4.3	<0.1	2.5	16.5
Common ragweed	18.8	6.3	33.3	1.5	8.3	<0.1	3.0	16.1
Quackgrass	18.8	2.5	13.3	1.6	8.6	<0.1	7.7	12.5
Pigweed species	12.5	4.4	35.0	1.5	11.8	<0.1	5.0	12.0
Dandelion	6.3	5.0	80.0	1.1	17.2	<0.1	5.0	9.6
Horseweed	12.5	2.5	20.0	0.5	3.8	<0.1	2.0	7.8
Common mallow	6.3	0.6	10.0	0.7	11.8	<0.1	11.0	4.4
Venice mallow	6.3	<0.1	<0.1	0.3	5.4	0.3	18.0	2.9
Russian thistle	6.3	0.6	10.0	0.1	1.1	<0.1	1.0	2.9
Weed free	50.0	13.8	27.5	-	-	-	-	-

Table 40. McKenzie county weed infestations based on 28 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	89.3	27.1	30.4	25.7	28.8	1.5	18.9	116.8
Russian thistle	39.3	7.9	20.0	13.8	35.0	0.6	16.0	53.1
Kochia	39.3	13.6	34.5	3.8	9.7	0.2	11.4	35.5
Wild mustard	32.1	12.1	37.8	3.5	11.0	0.2	6.8	31.1
Pigweed species	21.4	7.5	35.0	5.0	23.3	<0.1	16.5	26.3
Canada thistle	32.1	5.4	16.7	2.0	6.2	<0.1	4.2	20.7
Field pennycress	17.9	8.2	46.0	1.7	9.5	<0.1	3.2	18.1
Wild buckwheat	17.9	6.8	38.0	1.5	8.6	<0.1	2.8	16.3
Field bindweed	17.9	2.1	12.0	0.8	4.3	<0.1	3.8	9.9
Wild oat	7.1	3.6	50.0	1.0	14.0	<0.1	2.5	8.3
Common lambsquarters	10.7	2.9	26.7	0.5	4.3	<0.1	2.0	7.5
Sweetclover	7.1	3.6	50.0	0.5	7.5	<0.1	2.0	7.2
Flixweed/Tansy mustard	7.1	2.5	35.0	0.3	3.8	<0.1	1.0	5.5
Dandelion	7.1	2.1	30.0	0.3	4.3	<0.1	2.0	5.2
Volunteer cereal	3.6	1.8	50.0	0.3	9.7	<0.1	3.0	3.8
Whitlowwart species	7.1	1.1	15.0	0.1	1.6	<0.1	1.0	3.7
Prickly lettuce	3.6	0.7	20.0	0.1	2.2	<0.1	1.0	2.1
Downy brome	3.6	0.4	10.0	<0.1	1.1	<0.1	1.0	1.6
Weed free	42.9	21.4	50.0	-	-	-	-	-

Table 41. McLean county weed infestations based on 44 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	
Green foxtail	47.7	19.3	40.5	16.2	33.9	0.1	27.3	73.0
Wild mustard	54.5	20.0	36.7	10.8	19.9	<0.1	9.4	63.5
Quackgrass	38.6	10.2	26.5	7.4	19.2	0.5	13.6	40.5
Canada thistle	31.8	9.3	29.3	4.8	15.2	<0.1	5.7	31.2
Wild buckwheat	43.2	9.5	22.1	2.7	6.2	<0.1	3.3	30.2
Volunteer cereal	29.5	8.2	27.7	3.9	13.3	<0.1	5.0	27.2
Kochia	20.5	7.3	35.6	3.3	16.3	<0.1	10.0	21.9
Russian thistle	15.9	3.6	22.9	2.6	16.6	0.1	16.0	15.1
Field pennycress	22.7	4.3	19.0	1.2	5.5	<0.1	3.2	14.8
Field bindweed	15.9	2.3	14.3	2.1	13.1	<0.1	7.1	12.4
Common purslane	13.6	1.8	13.3	0.2	1.4	<0.1	1.0	6.8
Sunflower	4.5	0.5	10.0	1.2	26.4	<0.1	6.0	4.8
Shepherd's-purse	4.5	1.1	25.0	0.8	17.8	<0.1	13.5	4.5
Common milkweed	4.5	1.1	25.0	0.7	15.1	<0.1	9.5	4.2
Dandelion	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Wild oat	6.8	1.1	16.7	0.3	4.7	<0.1	2.3	4.2
Eastern black nightshade	4.5	0.9	20.0	0.6	12.4	<0.1	5.5	3.7
Common lambsquarters	6.8	0.7	10.0	0.3	4.3	<0.1	4.0	3.6
Foxtail barley	6.8	0.7	10.0	0.2	2.9	<0.1	2.7	3.4
Dry bean	4.5	0.7	15.0	0.1	1.6	<0.1	1.0	2.4
Common ragweed	2.3	0.7	30.0	0.3	15.1	<0.1	10.0	2.2
Common mallow	4.5	0.5	10.0	<0.1	1.1	<0.1	1.0	2.1
Barnyardgrass	2.3	0.5	20.0	0.1	5.4	<0.1	3.0	1.5
Prairie wild rose	2.3	0.2	10.0	<0.1	2.2	<0.1	2.0	1.1
Yellow foxtail	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.0
Horseweed	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.0
Common cocklebur	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.0
Perennial sowthistle	2.3	0.2	10.0	<0.1	1.1	<0.1	1.0	1.0
Weed free	59.1	17.0	28.8	-	-	-	-	-

Table 42. Mercer county weed infestations based on 11 surveyed fields, spring 2000.

Weed species	Weed Frequency	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All	Infested	All	Infested	Low	High	
		(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	
Green foxtail	81.8	23.6	28.9	27.9	34.1	2.5	21.7	116.0
Field bindweed	54.5	18.2	33.3	12.9	23.7	0.3	7.0	66.5
Wild buckwheat	54.5	20.9	38.3	10.6	19.4	<0.1	5.8	63.8
Russian thistle	36.4	14.5	40.0	10.7	29.3	<0.1	11.5	51.6
Common lambsquarters	54.5	11.8	21.7	3.1	5.7	<0.1	2.2	37.3
Wild mustard	36.4	15.5	42.5	2.9	8.1	<0.1	3.0	34.4
Common mallow	27.3	10.0	36.7	3.8	14.0	<0.1	6.0	28.0
Eastern black nightshade	45.5	6.4	14.0	1.0	2.2	<0.1	1.6	23.8
Kochia	27.3	8.2	30.0	2.3	8.3	<0.1	3.3	22.5
Field pennycress	36.4	4.5	12.5	0.6	1.6	<0.1	1.3	18.0
Alfalfa	9.1	2.7	30.0	0.9	9.7	<0.1	5.0	7.8
Pigweed species	9.1	2.7	30.0	0.3	3.2	<0.1	1.0	6.4
Barnyardgrass	9.1	0.9	10.0	0.8	8.6	<0.1	8.0	5.8
Sunflower	9.1	1.8	20.0	0.2	2.2	<0.1	1.0	5.3
Sweetclover	9.1	0.9	10.0	0.3	3.2	<0.1	3.0	4.6
Quackgrass	9.1	0.9	10.0	0.1	1.1	<0.1	1.0	4.2
Weed free	36.4	3.6	10.0	-	-	-	-	-

Table 43. Morton county weed infestations based on 20 surveyed fields, spring 2000.

Weed species	Weed							
	Weed Frequency	Field Uniformity		Weed Density		Density Range		Weed Index
	(%)	All (%)	Infested (%)	All	Infested	Low	High	
				-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --			
Green foxtail	80.0	27.5	34.4	47.2	59.0	2.2	18.4	164.3
Wild buckwheat	70.0	24.5	35.0	10.5	15.0	<0.1	4.9	72.3
Russian thistle	45.0	20.5	45.6	12.9	28.6	<0.1	7.4	65.5
Kochia	30.0	11.5	38.3	7.9	26.4	0.1	7.2	40.0
Sunflower	25.0	10.0	40.0	7.5	29.9	0.2	6.4	35.8
Wild mustard	30.0	2.0	6.7	10.2	33.9	1.4	15.0	35.7
Field bindweed	40.0	9.0	22.5	3.4	8.6	<0.1	6.5	30.4
Common lambsquarters	40.0	9.0	22.5	1.6	4.0	<0.1	1.6	26.1
Field pennycress	20.0	4.5	22.5	0.8	3.8	<0.1	2.0	12.9
Eastern black nightshade	15.0	2.0	13.3	0.7	4.7	<0.1	4.0	8.6
Common purslane	10.0	3.0	30.0	0.9	9.1	<0.1	3.0	8.5
Foxtail barley	15.0	1.5	10.0	0.3	2.2	<0.1	2.0	7.3
Canada thistle	10.0	2.0	20.0	0.7	7.0	<0.1	4.5	7.0
Wild oat	5.0	1.0	20.0	0.1	2.2	<0.1	1.0	2.9
Quackgrass	5.0	0.5	10.0	0.1	2.2	<0.1	2.0	2.4
Dandelion	5.0	0.5	10.0	0.1	1.1	<0.1	1.0	2.3
Weed free	20.0	4.5	22.5	-	-	-	-	-

Table 44. Mountrail county weed infestations based on 33 surveyed fields, spring 2000.

Weed species	Weed							
	Weed Frequency	Field Uniformity		Weed Density		Density Range		Weed Index
	(%)	All (%)	Infested (%)	All	Infested	Low	High	
				-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --			
Green foxtail	87.9	42.4	48.3	29.7	33.8	1.5	26.8	141.0
Wild buckwheat	75.8	25.8	34.0	8.1	10.7	<0.1	3.3	70.0
Kochia	54.5	15.5	28.3	9.9	18.1	0.3	11.9	56.6
Field pennycress	54.5	17.0	31.1	5.2	9.5	<0.1	4.8	47.3
Russian thistle	54.5	11.8	21.7	6.3	11.5	0.4	6.6	44.7
Canada thistle	51.5	15.5	30.0	4.2	8.2	<0.1	3.4	42.5
Pigweed species	33.3	13.0	39.1	7.5	22.6	<0.1	16.6	41.7
Common lambsquarters	36.4	11.8	32.5	6.2	17.1	<0.1	5.8	38.5
Wild mustard	39.4	11.2	28.5	2.0	5.0	<0.1	2.4	28.9
Flixweed/Tansy mustard	39.4	10.3	26.2	1.3	3.4	<0.1	1.5	26.6
Common ragweed	21.2	5.8	27.1	5.8	27.5	<0.1	28.9	26.5
Shepherd's-purse	24.2	6.1	25.0	3.6	14.9	<0.1	6.6	22.6
Wild oat	21.2	7.0	32.9	2.6	12.3	<0.1	4.9	20.1
Canola	9.1	4.8	53.3	3.8	41.3	<0.1	29.0	16.6
Field bindweed	24.2	4.8	20.0	1.1	4.4	<0.1	2.9	15.4
Quackgrass	21.2	3.6	17.1	0.9	4.3	<0.1	3.0	12.8
Sunflower	12.1	4.8	40.0	1.4	11.6	<0.1	3.3	12.2
Dandelion	15.2	3.9	26.0	0.6	4.1	<0.1	2.0	10.4
Greenflower pepperweed	18.2	2.4	13.3	0.4	2.0	<0.1	1.3	9.3
Fairy candleabra	9.1	3.0	33.3	1.2	13.6	<0.1	3.7	9.0
Cutleaf nightshade	12.1	2.7	22.5	0.8	6.2	<0.1	4.3	8.5
Volunteer cereal	6.1	3.6	60.0	1.0	16.1	<0.1	4.5	7.9
Prostrate pigweed	6.1	3.0	50.0	0.5	8.6	<0.1	2.5	6.3
Whitlowwart species	9.1	2.1	23.3	0.3	2.9	<0.1	1.3	5.8
Perennial sowthistle	9.1	1.5	16.7	0.4	3.9	<0.1	3.0	5.4
Common mallow	6.1	1.2	20.0	0.7	10.8	<0.1	7.0	4.8
Common cocklebur	3.0	1.8	60.0	0.6	19.4	<0.1	4.0	4.2
Sweetclover	6.1	1.5	25.0	0.2	3.8	<0.1	1.5	4.1
Horseweed	6.1	1.2	20.0	0.2	3.2	<0.1	2.0	4.1
Downy brome	3.0	0.3	10.0	0.4	12.9	<0.1	12.0	2.2
Eastern black nightshade	3.0	0.3	10.0	0.1	2.2	<0.1	2.0	1.5
Prickly lettuce	3.0	0.3	10.0	<0.1	1.1	<0.1	1.0	1.4
Weed free	18.2	4.8	26.7	-	-	-	-	-

Table 45. Nelson county weed infestations based on 30 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Yellow foxtail	73.3	24.0	32.7	29.3	40.0	3.3	24.4	116.8
Wild mustard	76.7	26.3	34.3	9.0	11.7	<0.1	4.3	72.9
Canada thistle	66.7	16.0	24.0	7.5	11.3	0.1	4.8	55.8
Green foxtail	36.7	14.3	39.1	10.3	28.1	0.5	22.4	50.6
Wild buckwheat	36.7	18.3	50.0	6.0	16.3	0.1	4.6	44.5
Wild oat	33.3	14.3	43.0	7.1	21.3	<0.1	7.0	42.0
Volunteer cereal	20.0	10.7	53.3	4.1	20.5	0.1	4.7	26.9
Sunflower	10.0	5.3	53.3	4.2	42.0	<0.1	8.0	18.5
Quackgrass	30.0	4.0	13.3	1.9	6.3	<0.1	5.0	18.4
Kochia	16.7	5.7	34.0	2.4	14.6	<0.1	4.6	16.9
Russian thistle	13.3	5.3	40.0	2.6	19.4	<0.1	4.8	15.8
Pigweed species	16.7	5.0	30.0	1.4	8.6	<0.1	4.0	13.9
Common lambsquarters	20.0	3.3	16.7	0.4	2.0	<0.1	1.2	10.9
Shepherd's-purse	3.3	2.7	80.0	2.7	80.7	<0.1	18.0	10.1
Perennial sowthistle	6.7	2.3	35.0	1.1	16.1	<0.1	7.5	7.1
Canola	3.3	2.7	80.0	0.5	14.0	<0.1	3.0	4.9
Eastern black nightshade	6.7	1.0	15.0	0.5	7.0	<0.1	6.0	4.3
Common ragweed	6.7	1.3	20.0	0.3	3.8	0.1	11.0	4.1
Annual smartweed	3.3	1.7	50.0	0.5	15.1	<0.1	5.0	3.9
Soybean	3.3	1.7	50.0	0.2	6.5	<0.1	2.0	3.3
Dandelion	3.3	1.3	40.0	0.1	4.3	<0.1	1.0	2.8
Common mallow	3.3	0.7	20.0	0.2	5.4	<0.1	3.0	2.2
Tall waterhemp	3.3	0.7	20.0	0.1	3.2	<0.1	2.0	2.0
Prairie wild rose	3.3	0.3	10.0	0.2	6.5	<0.1	6.0	1.9
Field pennycress	3.3	0.7	20.0	0.1	2.2	<0.1	1.0	1.9
Common milkweed	3.3	0.3	10.0	0.1	2.2	<0.1	2.0	1.6
Prickly lettuce	3.3	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5
Weed free	20.0	8.0	40.0	-	-	-	-	-

Table 46. Oliver county weed infestations based on 10 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	55.6	20.0	36.0	18.5	33.4	0.4	15.0	81.8
Barnyardgrass	22.2	7.8	35.0	1.4	6.5	<0.1	2.0	18.5
Russian thistle	22.2	3.3	15.0	0.6	2.7	<0.1	2.0	12.1
Sunflower	11.1	4.4	40.0	1.1	9.7	<0.1	6.0	10.7
Wild mustard	22.2	2.2	10.0	0.2	1.1	<0.1	1.0	10.2
Pigweed species	11.1	<0.1	<0.1	2.4	21.5	0.2	20.0	9.3
Common lambsquarters	11.1	3.3	30.0	1.0	8.6	<0.1	4.0	9.3
Common ragweed	11.1	1.1	10.0	0.4	3.2	<0.1	3.0	5.7
Wild buckwheat	11.1	1.1	10.0	0.4	3.2	<0.1	3.0	5.7
Dandelion	11.1	1.1	10.0	0.2	2.2	<0.1	2.0	5.4
Canada thistle	11.1	1.1	10.0	0.1	1.1	<0.1	1.0	5.1
Weed free	66.7	37.8	56.7	-	-	-	-	-

Table 47. Pierce county weed infestations based on 21 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
				-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	90.5	37.1	41.1	44.9	49.6	8.7	47.3	172.1
Wild buckwheat	71.4	30.0	42.0	20.3	28.4	0.2	8.2	101.2
Wild oat	66.7	20.0	30.0	13.4	20.1	0.2	7.2	73.4
Wild mustard	71.4	21.0	29.3	9.1	12.7	<0.1	9.4	65.9
Kochia	47.6	19.0	40.0	9.9	20.9	<0.1	8.9	58.1
Canola	33.3	7.1	21.4	11.8	35.5	1.2	32.6	45.9
Pigweed species	33.3	13.8	41.4	8.8	26.3	0.3	19.1	45.4
Canada thistle	42.9	10.5	24.4	2.3	5.3	<0.1	3.1	30.0
Common lambsquarters	28.6	9.5	33.3	4.6	16.1	<0.1	13.8	29.8
Yellow foxtail	23.8	9.5	40.0	4.4	18.3	0.2	10.0	27.6
Quackgrass	23.8	7.1	30.0	5.2	21.7	<0.1	8.2	27.2
Russian thistle	33.3	8.1	24.3	2.5	7.5	<0.1	5.1	25.1
Volunteer cereal	19.0	8.6	45.0	2.6	13.7	<0.1	5.0	21.0
Sunflower	14.3	3.3	23.3	5.5	38.8	0.3	18.3	21.0
Prickly lettuce	14.3	3.3	23.3	1.5	10.8	<0.1	5.7	11.7
Flax	4.8	3.8	80.0	1.9	40.9	<0.1	10.0	9.9
Field pennycress	14.3	2.9	20.0	0.7	4.7	<0.1	2.3	9.2
Field bindweed	14.3	2.4	16.7	0.4	2.9	<0.1	1.7	8.1
Common purslane	4.8	2.4	50.0	1.1	22.6	<0.1	6.0	6.5
Barnyardgrass	4.8	1.0	20.0	0.2	4.3	<0.1	3.0	3.0
Common mallow	4.8	0.5	10.0	0.2	4.3	<0.1	4.0	2.5
Perennial sowthistle	4.8	0.5	10.0	0.1	2.2	<0.1	2.0	2.3
Foxtail barley	4.8	0.5	10.0	0.1	1.1	<0.1	1.0	2.2
Hedge bindweed	4.8	0.5	10.0	0.1	1.1	<0.1	1.0	2.2
Weed free	14.3	2.4	16.7	-	-	-	-	-

Table 48. Pembina county weed infestations based on 54 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
				Plants/m <sup>2</sup>		Plants/m <sup>2</sup>		
Yellow foxtail	43.6	15.2	36.2	35.1	36.9	1.3	17.8	111.6
Wild mustard	72.7	25.2	34.9	7.8	10.6	<0.1	3.7	67.6
Green foxtail	32.0	11.6	24.9	9.5	30.7	0.2	11.6	44.4
Common mallow	4.6	1.2	15.8	0.3	4.2	<0.1	1.0	39.6
Canada thistle	39.6	9.9	24.3	4.3	9.4	<0.1	4.1	33.1
Wild oat	25.5	9.9	38.8	5.7	23.9	0.1	13.8	31.7
Wild buckwheat	30.6	11.9	39.0	3.2	10.1	<0.1	3.3	29.6
Eastern black nightshade	19.2	5.4	22.9	2.2	9.5	<0.1	5.3	16.9
Kochia	18.2	4.1	24.0	2.1	11.8	<0.1	5.2	15.1
Quackgrass	19.6	3.3	20.7	1.8	15.6	<0.1	6.9	14.0
Russian thistle	11.7	4.7	20.2	2.3	8.7	<0.1	4.2	14.0
Common lambsquarters	18.9	4.2	20.2	1.4	5.7	<0.1	3.0	13.8
Volunteer cereal	11.0	4.5	29.4	2.3	19.6	<0.1	8.5	13.5
Pigweed species	11.3	3.1	32.3	1.3	11.0	<0.1	6.2	9.9
Annual smartweed	3.0	1.0	20.0	5.3	3.0	<0.1	3.0	9.0
Dandelion	3.2	1.2	30.7	1.0	4.1	<0.1	1.0	7.0

Perennial sowthistle	4.7	2.2	35.6	1.2	22.3	<0.1	11.8	6.6
Table 48 (continued).								
Canola	3.0	1.4	11.5	1.0	5.6	<0.1	9.8	4.7
Common ragweed	6.0	0.9	15.0	0.2	3.0	<0.1	6.5	3.4
Soybean	2.7	1.4	18.6	0.2	5.3	<0.1	1.6	2.8
Common milkweed	4.7	0.7	11.4	0.	2.8	<0.1	3.7	2.7
Prickly lettuce	3.6	0.7	18.4	0.2	3.8	<0.1	2.2	2.4
Common cocklebur	2.1	0.6	24.0	<0.1	6.8	<0.1	1.6	1.4
Field pennycress	2.4	0.4	16.7	<0.1	1.5	<0.1	1.0	1.3
Biennial wormwood	1.6	0.1	12.1	<0.1	1.3	<0.1	1.2	0.8
Weed free	51.6	19.1	37.8	-	-	-	-	-

Table 49. Ramsey county weed infestations based on 31 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity (%)		Weed Density -- Plants/m <sup>2</sup> --		Weed Density Range -- Plants/m <sup>2</sup> --		Weed Index
		All	Infested	All	Infested	Low	High	
Wild mustard	54.8	21.9	40.0	15.7	28.6	1.1	9.8	76.8
Canada thistle	45.2	15.8	35.0	4.4	9.8	<0.1	3.6	41.2
Wild oat	19.4	5.8	30.0	7.3	37.9	0.4	23.7	29.4
Kochia	22.6	10.0	44.3	4.4	19.7	0.1	5.3	27.9
Pigweed species	19.4	3.9	20.0	5.7	29.4	0.3	5.5	23.6
Green foxtail	19.4	6.8	35.0	3.9	20.3	0.1	38.5	22.4
Common lambsquarters	19.4	3.5	18.3	3.1	16.1	0.1	3.2	17.3
Quackgrass	12.9	3.5	27.5	3.5	27.2	<0.1	10.8	16.0
Yellow foxtail	12.9	1.9	15.0	3.0	23.4	0.4	9.5	13.3
Wild buckwheat	9.7	3.9	40.0	2.0	20.8	<0.1	5.0	11.8
Canola	3.2	2.9	90.0	3.1	95.8	<0.1	62.0	11.2
Field pennycress	6.5	3.2	50.0	2.0	31.2	<0.1	11.0	10.1
Common mallow	9.7	2.6	26.7	1.6	16.1	<0.1	13.3	9.5
Volunteer cereal	3.2	0.3	10.0	2.0	61.4	<0.1	57.0	6.0
Sunflower	3.2	2.9	90.0	0.9	26.9	<0.1	9.0	6.0
Russian thistle	9.7	1.6	16.7	0.2	2.5	<0.1	1.7	5.4
Common milkweed	9.7	1.3	13.3	0.2	2.2	<0.1	1.7	5.0
Flax	3.2	2.9	90.0	0.4	11.8	<0.1	34.0	4.9
Perennial sowthistle	9.7	1.3	13.3	0.1	1.4	<0.1	1.0	4.8
Giant ragweed	3.2	1.3	40.0	0.4	12.9	<0.1	5.0	3.3
Field bindweed	3.2	1.0	30.0	0.4	11.8	<0.1	5.0	2.9
Common cocklebur	3.2	1.3	40.0	0.2	6.5	<0.1	2.0	2.9
Common purslane	3.2	1.3	40.0	0.1	4.3	<0.1	1.0	2.7
Prickly lettuce	3.2	0.6	20.0	0.1	3.2	<0.1	2.0	2.0
Hairy nightshade	3.2	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5
Common ragweed	3.2	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5
Foxtail barley	3.2	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5
Weed free	51.6	22.3	43.1	-	-	-	-	-

Table 50. Ransom county weed infestations based on 15 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Yellow foxtail	100.0	30.0	30.0	26.1	26.1	2.6	19.5	124.3
Common lambsquarters	53.3	22.0	41.3	19.1	35.8	0.1	20.5	84.3
Barnyardgrass	40.0	17.3	43.3	9.3	23.3	<0.1	16.5	52.4
Canada thistle	60.0	14.7	24.4	3.7	6.2	<0.1	2.8	43.4
Wild oat	26.7	6.7	25.0	11.6	43.6	0.3	19.0	42.7
Wild-proso millet	20.0	12.0	60.0	10.0	49.9	<0.1	26.7	41.9
Pigweed species	40.0	14.0	35.0	5.1	12.7	<0.1	16.8	39.2
Wild mustard	40.0	10.7	26.7	2.4	6.1	<0.1	3.3	29.7
Sunflower	26.7	8.7	32.5	1.3	4.8	<0.1	2.0	20.6
Wild buckwheat	26.7	8.0	30.0	1.4	5.1	<0.1	2.5	20.1
Kochia	26.7	5.3	20.0	2.1	7.8	<0.1	6.3	19.1
Eastern black nightshade	13.3	4.7	35.0	3.5	26.4	<0.1	17.0	17.3
Common milkweed	26.7	4.0	15.0	0.6	2.4	<0.1	1.8	14.4
Canola	13.3	1.3	10.0	1.9	14.5	0.1	26.0	10.3
Quackgrass	13.3	2.7	20.0	1.0	7.5	<0.1	6.0	9.5
Field bindweed	13.3	3.3	25.0	0.4	3.2	<0.1	1.5	8.8
Common ragweed	13.3	2.7	20.0	0.6	4.8	<0.1	3.5	8.6
Green foxtail	13.3	2.7	20.0	0.4	2.7	<0.1	1.5	7.9
Biennial wormwood	13.3	2.7	20.0	0.3	2.2	<0.1	1.0	7.8
Perennial sowthistle	13.3	2.0	15.0	0.4	2.7	<0.1	1.5	7.3
Yellow woodsorrel	13.3	1.3	10.0	0.1	1.1	<0.1	1.0	6.1
Volunteer cereal	6.7	2.0	30.0	0.4	5.4	<0.1	3.0	5.1
Hedge bindweed	6.7	1.3	20.0	0.1	2.2	<0.1	1.0	3.9
Common cocklebur	6.7	0.7	10.0	0.3	4.3	<0.1	4.0	3.6
Flax	6.7	0.7	10.0	0.1	2.2	<0.1	2.0	3.2
Dandelion	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Common mallow	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Nightflowering catchfly	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Prostrate spurge	6.7	0.7	10.0	0.1	1.1	<0.1	1.0	3.1
Weed free	13.3	2.7	20.0	-	-	-	-	-



Table 51. Renville county weed infestations based on 34 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	82.4	24.7	30.0	32.9	39.9	4.5	45.3	128.8
Wild buckwheat	67.6	29.7	43.9	7.6	11.3	<0.1	4.1	70.1
Pigweed species	41.2	16.8	40.7	7.7	18.8	<0.1	15.1	48.5
Canada thistle	64.7	15.0	23.2	4.6	7.1	<0.1	4.1	47.4
Wild oat	44.1	7.9	18.0	4.3	9.7	0.1	4.2	32.6
Kochia	44.1	11.2	25.3	2.5	5.6	<0.1	3.2	31.6
Field pennycress	32.4	10.6	32.7	3.7	11.4	<0.1	5.8	30.0
Volunteer cereal	38.2	10.3	26.9	2.7	7.0	<0.1	3.4	29.3
Common ragweed	32.4	7.4	22.7	4.1	12.5	<0.1	8.5	27.6
Wild mustard	35.3	6.8	19.2	2.3	6.5	0.1	5.3	23.8
Yellow foxtail	14.7	5.6	38.0	5.6	38.3	0.1	13.0	23.6
Sunflower	26.5	6.8	25.6	1.4	5.3	<0.1	2.1	18.8
Quackgrass	17.6	4.4	25.0	1.6	8.8	<0.1	5.5	13.9
Canola	17.6	4.7	26.7	0.7	4.1	<0.1	1.5	12.3
Annual smartweed	14.7	3.5	24.0	1.3	8.6	<0.1	5.2	11.4
Common lambsquarters	14.7	3.5	24.0	0.9	6.2	<0.1	2.4	10.6
Perennial sowthistle	14.7	2.6	18.0	1.0	7.1	<0.1	5.0	10.0
Biennial wormwood	11.8	4.4	37.5	0.6	5.4	<0.1	2.3	9.8
Field bindweed	14.7	2.9	20.0	0.4	3.0	<0.1	1.6	8.9
Russian thistle	5.9	2.4	40.0	0.9	14.5	<0.1	4.5	6.3
Common mallow	8.8	1.5	16.7	0.6	6.8	<0.1	5.7	5.8
Prickly lettuce	5.9	2.1	35.0	0.4	7.5	<0.1	3.0	5.1
Curly dock	5.9	1.2	20.0	0.7	11.8	<0.1	9.5	4.8
Flax	5.9	0.6	10.0	0.1	2.2	<0.1	2.0	2.8
Flixweed/Tansy mustard	2.9	0.6	20.0	0.1	2.2	<0.1	1.0	1.7
Nightflowering catchfly	2.9	0.6	20.0	0.1	2.2	<0.1	1.0	1.7
Lentil	2.9	<0.1	<0.1	0.3	9.7	0.1	44.0	1.6
Sweetclover	2.9	0.3	10.0	0.1	2.2	<0.1	2.0	1.4
Common purslane	2.9	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
False chamomile	2.9	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
Common cocklebur	2.9	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
Lanceleaf sage	2.9	0.3	10.0	<0.1	1.1	<0.1	1.0	1.3
Weed free	23.5	6.5	27.5	-	-	-	-	-

Table 52. Richland county weed infestations based on 61 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Common lambsquarters	65.6	23.0	35.0	16.9	25.8	0.2	9.5	84.3
Green foxtail	47.5	17.2	36.2	11.6	24.3	0.5	14.8	60.0
Yellow foxtail	34.4	11.8	34.3	10.0	29.2	0.2	14.0	46.7
Common cocklebur	45.9	16.7	36.4	4.2	9.1	<0.1	4.7	41.8
Soybean	39.3	16.1	40.8	2.9	7.4	<0.1	2.7	35.9
Eastern black nightshade	39.3	12.0	30.4	3.9	9.9	<0.1	3.3	34.1
Wild-proso millet	27.9	10.3	37.1	5.6	20.1	<0.1	8.5	32.7
Wild buckwheat	32.8	9.8	30.0	2.2	6.8	<0.1	2.4	26.0
Common ragweed	24.6	9.2	37.3	2.6	10.4	<0.1	4.1	23.3
Canada thistle	36.1	6.7	18.6	1.1	3.2	<0.1	1.9	21.4
Wild mustard	32.8	6.4	19.5	1.2	3.6	<0.1	2.3	20.1
Pigweed species	18.0	5.4	30.0	1.5	8.3	<0.1	4.6	14.9
Volunteer cereal	13.1	4.6	35.0	2.2	16.6	<0.1	4.5	14.0
Kochia	13.1	4.1	31.3	1.3	9.6	<0.1	5.3	11.4
Field sandbur	3.3	<0.1	<0.1	3.0	91.5	0.1	33.5	8.1
Quackgrass	9.8	3.0	30.0	0.6	6.5	<0.1	2.2	7.7
Perennial sowthistle	11.5	2.3	20.0	0.4	3.8	<0.1	2.3	7.1
Sunflower	8.2	2.8	34.0	0.6	7.3	<0.1	2.6	6.9
Common milkweed	13.1	1.8	13.8	0.2	1.9	<0.1	1.3	6.8
Lanceleaf sage	4.9	2.6	53.3	0.9	18.3	<0.1	5.7	6.4
Russian thistle	6.6	1.8	27.5	0.5	7.3	<0.1	2.8	5.1
Wild oat	4.9	0.8	16.7	0.6	11.5	<0.1	3.3	3.8
Horseweed	4.9	1.6	33.3	0.2	3.9	<0.1	1.3	3.7
Field bindweed	6.6	0.8	12.5	0.1	1.6	<0.1	1.3	3.3
Sweetclover	3.3	1.3	40.0	0.2	5.9	<0.1	2.5	2.9
Corn	4.9	0.7	13.3	0.1	1.8	<0.1	1.3	2.5
Swamp smartweed	3.3	1.0	30.0	0.1	3.2	<0.1	1.0	2.3
Biennial wormwood	3.3	0.7	20.0	0.1	2.2	<0.1	1.0	1.9
Yellow nutsedge	3.3	0.3	10.0	0.1	3.8	<0.1	3.5	1.7
Tall waterhemp	3.3	0.5	15.0	0.1	1.6	<0.1	1.0	1.7
Dandelion	3.3	0.3	10.0	0.1	1.6	<0.1	1.5	1.5
Hairy nightshade	3.3	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5
Barnyardgrass	1.6	0.7	40.0	0.1	6.5	<0.1	3.0	1.4
Prostrate pigweed	1.6	0.5	30.0	0.1	3.2	<0.1	1.0	1.2
Yellow woodsorrel	1.6	0.3	20.0	<0.1	2.2	<0.1	1.0	1.0
Common purslane	1.6	0.3	20.0	<0.1	2.2	<0.1	1.0	1.0
Purslane speedwell	1.6	0.2	10.0	<0.1	1.1	<0.1	1.0	0.8
Prairie wild rose	1.6	0.2	10.0	<0.1	1.1	<0.1	1.0	0.8
Weed free	41.0	11.3	27.6	-	-	-	-	-

Table 53. Rolette county weed infestations based on 14 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	100.0	42.9	42.9	32.6	32.6	2.6	22.9	152.3
Wild oat	85.7	41.4	48.3	30.1	35.1	0.5	9.5	140.1
Wild buckwheat	100.0	27.1	27.1	16.3	16.3	0.4	6.4	98.5
Wild mustard	85.7	33.6	39.2	12.1	14.1	<0.1	5.3	90.3
Annual smartweed	57.1	12.9	22.5	12.1	21.1	3.8	32.0	60.1
Pigweed species	57.1	17.9	31.3	8.1	14.1	0.1	3.8	55.7
Kochia	28.6	16.4	57.5	6.4	22.3	<0.1	10.3	40.8
Common lambsquarters	28.6	12.1	42.5	7.2	25.0	<0.1	11.3	38.4
Quackgrass	42.9	10.7	25.0	4.5	10.4	<0.1	4.7	35.4
Sunflower	21.4	10.7	50.0	4.1	19.0	<0.1	7.0	27.4
Field pennycress	42.9	7.1	16.7	2.5	5.7	<0.1	3.5	27.2
Canada thistle	35.7	7.1	20.0	1.4	3.9	<0.1	2.2	22.3
Volunteer cereal	35.7	7.1	20.0	1.2	3.4	<0.1	1.8	21.9
Canola	21.4	6.4	30.0	2.0	9.3	0.1	13.3	18.2
Nightflowering catchfly	14.3	6.4	45.0	2.7	18.8	<0.1	4.0	17.5
Common chickweed	28.6	3.6	12.5	1.2	4.3	0.3	8.5	16.0
Common mallow	14.3	6.4	45.0	1.5	10.8	<0.1	5.0	14.8
Common ragweed	21.4	2.1	10.0	0.9	4.3	<0.1	4.0	11.4
Prickly lettuce	14.3	2.1	15.0	0.4	2.7	<0.1	2.0	7.8
Dandelion	7.1	2.1	30.0	0.6	8.6	<0.1	4.0	6.0
Prostrate pigweed	7.1	0.7	10.0	0.3	4.3	<0.1	4.0	3.8
Giant ragweed	7.1	0.7	10.0	0.1	1.1	<0.1	1.0	3.3
Field bindweed	7.1	0.7	10.0	0.1	1.1	<0.1	1.0	3.3
Weed free	7.1	0.7	10.0	-	-	-	-	-

Table 54. Sargent county weed infestations based on 29 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	69.0	31.0	45.0	19.6	28.4	0.2	10.8	99.7
Yellow foxtail	65.5	23.1	35.3	18.2	27.8	0.4	11.4	87.4
Canada thistle	65.5	17.6	26.8	5.9	9.0	<0.1	3.4	53.1
Common lambsquarters	37.9	14.8	39.1	10.8	28.4	<0.1	9.9	52.6
Soybean	34.5	14.8	43.0	3.0	8.8	<0.1	2.9	33.4
Wild buckwheat	44.8	11.7	26.2	2.4	5.5	<0.1	2.6	32.4
Eastern black nightshade	41.4	9.3	22.5	3.6	8.7	<0.1	3.3	31.5
Wild mustard	37.9	9.7	25.5	3.6	9.4	<0.1	3.6	30.6
Kochia	20.7	5.9	28.3	5.2	24.9	<0.1	15.0	24.8
Common ragweed	24.1	8.3	34.3	2.7	11.2	<0.1	4.4	22.6
Quackgrass	24.1	5.9	24.3	1.4	5.7	<0.1	2.4	17.1
Common milkweed	31.0	4.1	13.3	0.6	1.8	<0.1	1.3	15.8
Pigweed species	20.7	4.8	23.3	1.4	7.0	<0.1	2.7	15.1
Yellow woodsorrel	10.3	4.1	40.0	2.8	26.9	<0.1	11.0	14.1
Common cocklebur	17.2	5.5	32.0	1.0	5.6	<0.1	2.2	13.5
Wild-proso millet	24.1	4.1	17.1	0.5	2.0	<0.1	1.1	13.3
Common purslane	13.8	3.8	27.5	1.3	9.4	<0.1	2.5	11.4
Field bindweed	17.2	2.4	14.0	0.4	2.4	<0.1	1.8	9.1
Volunteer cereal	13.8	2.8	20.0	0.4	3.0	<0.1	1.5	8.3
Perennial sowthistle	13.8	1.7	12.5	0.7	5.1	<0.1	4.5	8.0
Wild oat	10.3	2.8	26.7	0.6	5.4	<0.1	2.7	7.5
Sunflower	3.4	2.8	80.0	1.0	30.1	<0.1	12.0	6.3
Common mallow	3.4	2.1	60.0	0.5	15.1	<0.1	5.0	4.4
Corn	3.4	1.7	50.0	0.4	10.8	<0.1	5.0	3.7
Sweetclover	6.9	1.0	15.0	0.1	1.6	<0.1	1.0	3.6
Giant ragweed	3.4	1.4	40.0	0.2	6.5	<0.1	2.0	3.0
Dandelion	3.4	1.4	40.0	0.1	4.3	<0.1	1.0	2.9
Biennial wormwood	3.4	0.7	20.0	0.1	2.2	<0.1	1.0	2.0
Hairy nightshade	3.4	0.3	10.0	0.1	3.2	<0.1	3.0	1.8
Swamp smartweed	3.4	0.3	10.0	<0.1	1.1	<0.1	1.0	1.6
Weed free	44.8	10.0	22.3	-	-	-	-	-

Table 55. Sheridan county weed infestations based on 17 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	88.2	34.7	39.3	55.3	62.7	6.5	48.6	193.2
Wild mustard	88.2	30.6	34.7	11.7	13.2	<0.1	5.9	87.2
Wild oat	58.8	14.1	24.0	14.8	25.1	0.4	6.9	68.2
Russian thistle	70.6	21.8	30.8	9.6	13.6	<0.1	8.8	67.8
Wild buckwheat	58.8	16.5	28.0	8.3	14.1	0.1	4.0	55.4
Kochia	41.2	19.4	47.1	6.4	15.5	<0.1	9.6	48.1
Volunteer cereal	35.3	17.1	48.3	4.5	12.7	<0.1	3.7	39.3
Canada thistle	52.9	12.4	23.3	3.7	6.9	<0.1	2.9	38.6
Common lambsquarters	41.2	7.6	18.6	2.5	6.2	<0.1	4.1	27.3
Pigweed species	35.3	7.1	20.0	3.5	10.0	<0.1	5.2	27.1
Canola	17.6	4.7	26.7	5.8	33.0	0.1	22.0	24.2
Field bindweed	17.6	3.5	20.0	0.9	5.4	<0.1	3.0	11.6
Quackgrass	17.6	1.8	10.0	0.5	2.9	<0.1	2.7	8.8
Perennial sowthistle	11.8	2.9	25.0	0.6	4.8	<0.1	2.0	8.2
Common cocklebur	11.8	2.9	25.0	0.4	3.8	<0.1	1.5	7.9
Common ragweed	11.8	1.8	15.0	0.5	4.3	<0.1	3.0	6.9
Common chickweed	5.9	0.6	10.0	0.1	1.1	<0.1	1.0	2.7
Sunflower	5.9	0.6	10.0	0.1	1.1	<0.1	1.0	2.7
Common milkweed	5.9	0.6	10.0	0.1	1.1	<0.1	1.0	2.7
Weed free	5.9	5.3	90.0	-	-	-	-	-

Table 56. Sioux county weed infestations based on 10 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	100.0	22.0	22.0	57.8	57.8	4.8	53.4	190.2
Wild buckwheat	90.0	34.0	37.8	25.0	27.7	0.1	14.4	122.3
Wild oat	80.0	32.0	40.0	6.9	8.6	<0.1	3.0	74.7
Field bindweed	70.0	16.0	22.9	2.9	4.2	<0.1	2.0	46.1
Russian thistle	30.0	11.0	36.7	4.0	13.3	<0.1	3.7	30.3
Wild mustard	40.0	7.0	17.5	0.8	1.9	<0.1	1.0	22.1
Pigweed species	30.0	9.0	30.0	1.3	4.3	<0.1	1.7	22.0
Prickly lettuce	40.0	6.0	15.0	0.9	2.2	<0.1	1.5	21.3
Volunteer cereal	30.0	7.0	23.3	1.4	4.7	<0.1	2.7	20.3
Yellow woodsorrel	10.0	4.0	40.0	0.5	5.4	<0.1	2.0	8.6
Common cocklebur	10.0	3.0	30.0	0.4	4.3	<0.1	2.0	7.3
Common lambsquarters	10.0	2.0	20.0	0.3	3.2	<0.1	2.0	6.1
Soybean	10.0	2.0	20.0	0.2	2.2	<0.1	1.0	5.8
Dandelion	10.0	2.0	20.0	0.2	2.2	<0.1	1.0	5.8
Buffalobur	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Flixweed/Tansy mustard	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Kochia	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Fairy candleabra	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Russian thistle	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Horseweed	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Greenflower pepperweed	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Downy brome	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Field pennycress	10.0	1.0	10.0	0.1	1.1	<0.1	1.0	4.6
Weed free	10.0	2.0	20.0	-	-	-	-	-

Table 57. Slope county weed infestations based on 11 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	90.9	31.8	35.0	48.0	52.9	0.9	14.2	174.2
Wild oat	45.5	20.0	44.0	16.4	36.2	0.5	10.2	73.5
Russian thistle	54.5	18.2	33.3	8.3	15.2	<0.1	6.7	55.8
Field bindweed	45.5	15.5	34.0	8.7	19.2	0.2	5.8	50.9
Barnyardgrass	27.3	15.5	56.7	8.3	30.5	<0.1	6.7	44.0
Volunteer cereal	27.3	13.6	50.0	3.3	12.2	0.5	9.0	30.5
Kochia	45.5	5.5	12.0	1.5	3.2	0.2	13.0	24.0
Wild buckwheat	27.3	10.0	36.7	1.9	6.8	<0.1	3.0	23.4
Wild mustard	18.2	8.2	45.0	1.5	8.1	<0.1	3.0	17.7
Pigweed species	18.2	5.5	30.0	1.3	7.0	<0.1	3.0	14.5
Canola	9.1	5.5	60.0	0.7	7.5	<0.1	2.0	10.1
Safflower	9.1	3.6	40.0	0.6	6.5	<0.1	2.0	8.0
Hedge bindweed	9.1	1.8	20.0	0.4	4.3	<0.1	2.0	5.8
Canada thistle	9.1	1.8	20.0	0.3	3.2	<0.1	2.0	5.5
Field pennycress	9.1	1.8	20.0	0.3	3.2	<0.1	2.0	5.5
Weed free	45.5	11.8	26.0	-	-	-	-	-

Table 58. Stark county weed infestations based on 14 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
Green foxtail	57.1	25.0	43.8	16.6	29.1	0.5	10.1	82.8
Wild oat	57.1	27.1	47.5	14.7	25.7	<0.1	20.9	80.5
Kochia	42.9	19.3	45.0	11.1	25.8	<0.1	8.5	59.4
Russian thistle	35.7	14.3	40.0	2.5	7.1	<0.1	2.6	32.1
Pigweed species	35.7	11.4	32.0	2.6	7.3	<0.1	3.0	29.4
Field pennycress	28.6	9.3	32.5	4.5	15.9	<0.1	6.8	29.4
Wild buckwheat	28.6	12.1	42.5	1.5	5.4	<0.1	1.5	25.3
Common lambsquarters	28.6	9.3	32.5	1.8	6.5	<0.1	2.5	23.1
Volunteer cereal	21.4	10.0	46.7	2.2	10.4	<0.1	2.7	22.3
Common ragweed	21.4	6.4	30.0	0.8	3.9	<0.1	1.7	15.5
Wild mustard	14.3	5.0	35.0	2.2	15.1	<0.1	5.5	14.8
Downy brome	14.3	3.6	25.0	2.1	14.5	<0.1	8.0	13.2
Flixweed/Tansy mustard	21.4	4.3	20.0	0.6	2.9	<0.1	1.3	12.9
Prairie wild rose	21.4	2.9	13.3	0.4	1.8	<0.1	1.3	10.9
Canola	7.1	3.6	50.0	1.7	23.7	<0.1	11.0	9.9
Sunflower	7.1	4.3	60.0	0.8	10.8	<0.1	3.0	8.5
Erect knotweed	14.3	1.4	10.0	0.2	1.6	<0.1	1.5	6.7
Quackgrass	7.1	2.1	30.0	0.7	9.7	<0.1	5.0	6.1
Perennial sowthistle	7.1	2.1	30.0	0.3	4.3	<0.1	2.0	5.2
Common mallow	7.1	1.4	20.0	0.5	7.5	<0.1	5.0	5.1
Dandelion	7.1	1.4	20.0	0.2	2.2	<0.1	1.0	4.2
Annual smartweed	7.1	1.4	20.0	0.2	2.2	<0.1	1.0	4.2
Field pea	7.1	0.7	10.0	0.1	1.1	<0.1	1.0	3.3
Canada thistle	7.1	0.7	10.0	0.1	1.1	<0.1	1.0	3.3
Curly dock	7.1	0.7	10.0	0.1	1.1	<0.1	1.0	3.3
Weed free	42.9	7.9	18.3	-	-	-	-	-

Table 59. Steele county weed infestations based on 25 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All -- Plants/m <sup>2</sup> --	Infested -- Plants/m <sup>2</sup> --	Low -- Plants/m <sup>2</sup> --	High -- Plants/m <sup>2</sup> --	
Green foxtail	88.0	31.6	35.9	28.1	31.9	1.0	32.3	126.4
Wild mustard	68.0	20.8	30.6	11.6	17.0	0.1	5.6	70.5
Yellow foxtail	52.0	20.8	40.0	12.1	23.4	0.3	15.2	66.5
Wild buckwheat	40.0	18.4	46.0	3.7	9.4	<0.1	3.2	40.5
Canada thistle	40.0	11.6	29.0	5.0	12.4	<0.1	5.6	36.5
Pigweed species	44.0	8.4	19.1	5.4	12.3	<0.1	9.3	35.7
Kochia	20.0	8.0	40.0	6.4	32.1	<0.1	55.6	29.6
Common lambsquarters	36.0	10.8	30.0	2.9	8.0	<0.1	4.1	29.5
Wild oat	32.0	6.8	21.3	4.8	14.9	<0.1	8.5	28.6
Volunteer cereal	12.0	4.8	40.0	1.0	8.6	<0.1	2.3	11.2
Eastern black nightshade	16.0	3.6	22.5	0.8	4.8	<0.1	2.8	10.7
Common milkweed	8.0	0.8	10.0	0.2	2.7	<0.1	2.5	4.0
Common ragweed	8.0	0.8	10.0	0.2	2.2	<0.1	2.0	3.9
Quackgrass	4.0	0.4	10.0	<0.1	1.1	<0.1	1.0	1.8
Soybean	4.0	0.4	10.0	<0.1	1.1	<0.1	1.0	1.8
Weed free	44.0	10.4	23.6	-	-	-	-	-

Table 60. Stutsman county weed infestations based on 50 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All -- Plants/m <sup>2</sup> --	Infested -- Plants/m <sup>2</sup> --	Low -- Plants/m <sup>2</sup> --	High -- Plants/m <sup>2</sup> --	
Green foxtail	90.0	24.4	27.1	34.8	38.7	6.3	34.8	135.6
Wild mustard	84.0	33.6	40.0	10.1	12.0	<0.1	5.5	85.2
Wild buckwheat	72.0	29.0	40.3	9.1	12.6	0.2	4.4	74.1
Pigweed species	70.0	24.0	34.3	9.9	14.2	<0.1	5.5	70.5
Common lambsquarters	58.0	14.6	25.2	7.9	13.6	0.1	6.1	52.4
Yellow foxtail	32.0	14.0	43.8	7.5	23.4	<0.1	7.9	42.1
Canada thistle	58.0	11.6	20.0	2.0	3.5	<0.1	1.9	35.7
Kochia	40.0	13.2	33.0	3.6	9.0	<0.1	3.6	35.0
Sunflower	22.0	7.0	31.8	4.4	20.0	0.1	10.0	24.6
Perennial sowthistle	30.0	5.8	19.3	2.6	8.6	<0.1	2.7	21.8
Wild oat	28.0	8.6	30.7	1.3	4.7	<0.1	1.9	21.0
Volunteer cereal	20.0	5.8	29.0	0.9	4.6	<0.1	2.2	14.6
Quackgrass	24.0	4.2	17.5	0.6	2.4	<0.1	1.3	13.6
Common ragweed	22.0	4.2	19.1	0.8	3.7	<0.1	2.4	13.4
Eastern black nightshade	20.0	4.0	20.0	0.5	2.6	<0.1	1.3	11.9
Flax	6.0	2.4	40.0	2.4	39.8	0.1	6.7	10.0
Field bindweed	10.0	2.8	28.0	1.1	10.8	<0.1	5.2	8.6
Common mallow	12.0	2.6	21.7	0.3	2.3	<0.1	1.0	7.3
Annual smartweed	12.0	2.0	16.7	0.4	3.0	<0.1	1.7	6.9
Russian thistle	8.0	2.6	32.5	0.5	6.2	<0.1	2.0	6.4
Common cocklebur	8.0	2.2	27.5	0.3	4.3	<0.1	2.0	5.7
Lanceleaf sage	6.0	1.8	30.0	0.2	3.6	<0.1	1.3	4.3
Canola	6.0	0.8	13.3	0.6	9.3	<0.1	11.3	4.1
Common milkweed	6.0	0.6	10.0	0.1	1.4	<0.1	1.3	2.8
Field pennycress	6.0	0.6	10.0	0.1	1.1	<0.1	1.0	2.8
Dandelion	4.0	0.6	15.0	0.1	1.6	<0.1	1.0	2.1
Cutleaf nightshade	2.0	0.6	30.0	0.1	4.3	<0.1	2.0	1.5
Prickly lettuce	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Common purslane	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Marshelder	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Flixweed/Tansy mustard	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Prairie wild rose	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Yellow woodsorrel	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Downy brome	2.0	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9
Weed free	14.0	3.0	21.4	-	-	-	-	-

Table 61. Towner county weed infestations based on 29 surveyed fields, spring 2000.

Weed species	Weed		Field Uniformity		Weed Density		Weed Density Range		Weed Index
	Frequency	All	Infested	All	Infested	Low	High		
	(%)	(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --		
Green foxtail	96.6	47.2	48.9	29.7	30.7	1.5	30.8	148.6	
Wild buckwheat	93.1	34.1	36.7	12.9	13.8	0.2	6.1	95.2	
Wild oat	75.9	27.9	36.8	17.9	23.6	0.3	7.5	95.1	
Wild mustard	65.5	23.4	35.8	11.8	18.1	0.1	12.3	72.9	
Pigweed species	44.8	19.0	42.3	12.0	26.8	<0.1	8.2	62.0	
Canada thistle	72.4	17.9	24.8	7.1	9.7	<0.1	4.4	58.5	
Kochia	41.4	16.6	40.0	8.4	20.3	<0.1	12.3	49.9	
Annual smartweed	41.4	10.3	25.0	3.6	8.8	<0.1	4.5	32.6	
Prickly lettuce	37.9	10.7	28.2	2.7	7.2	<0.1	2.8	29.7	
Quackgrass	34.5	9.3	27.0	2.8	8.1	<0.1	3.1	27.3	
Common mallow	27.6	4.8	17.5	3.3	11.8	<0.1	10.1	21.6	
Common lambsquarters	17.2	6.2	36.0	2.8	16.1	<0.1	7.4	18.4	
Field pennycress	13.8	3.4	25.0	3.9	28.0	<0.1	12.0	17.1	
Volunteer cereal	13.8	6.6	47.5	2.3	17.0	<0.1	5.8	16.6	
Sunflower	10.3	4.1	40.0	3.0	29.1	<0.1	7.0	14.6	
Canola	10.3	3.8	36.7	2.5	24.0	<0.1	7.3	13.0	
Common ragweed	20.7	2.4	11.7	1.3	6.5	<0.1	5.8	12.4	
Flax	6.9	3.1	45.0	2.9	42.5	<0.1	27.0	12.2	
Russian thistle	20.7	2.8	13.3	0.4	1.8	<0.1	1.3	10.5	
Shepherd's-purse	6.9	4.1	60.0	1.1	16.1	<0.1	6.0	9.0	
Dandelion	10.3	3.8	36.7	0.7	6.8	<0.1	3.0	8.9	
Common chickweed	10.3	1.4	13.3	1.0	10.0	<0.1	9.0	7.3	
Field bindweed	3.4	1.4	40.0	0.7	20.5	<0.1	12.0	4.2	
Prostrate pigweed	6.9	1.0	15.0	0.3	3.8	<0.1	3.0	3.9	
Horseweed	3.4	0.3	10.0	0.1	3.2	<0.1	3.0	1.8	
Common cocklebur	3.4	0.3	10.0	<0.1	1.1	<0.1	1.0	1.6	
Hedge bindweed	3.4	0.3	10.0	<0.1	1.1	<0.1	1.0	1.6	
Weed free	17.2	2.8	16.0	-	-	-	-	-	

Table 62. Traill county weed infestations based on 53 surveyed fields, spring 2000.

Weed species	Weed		Field Uniformity		Weed Density		Weed Density Range		Weed Index
	Frequency	All	Infested	All	Infested	Low	High		
	(%)	(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --		
Yellow foxtail	50.9	16.4	32.2	14.4	28.3	1.7	15.2	67.0	
Wild mustard	67.9	26.8	39.4	7.3	10.8	<0.1	3.1	66.5	
Green foxtail	35.8	17.0	47.4	8.1	22.5	0.2	13.9	47.8	
Pigweed species	34.0	12.3	36.1	4.7	13.8	<0.1	5.3	34.5	
Canada thistle	34.0	8.1	23.9	4.1	12.1	<0.1	5.4	29.1	
Kochia	26.4	5.8	22.1	5.9	22.4	0.2	10.7	28.4	
Common lambsquarters	20.8	8.7	41.8	4.0	19.3	<0.1	8.2	24.9	
Common cocklebur	18.9	7.4	39.0	3.7	19.7	0.1	6.1	22.3	
Volunteer cereal	24.5	8.3	33.8	2.0	8.1	<0.1	3.4	21.1	
Wild buckwheat	17.0	8.1	47.8	2.7	16.1	<0.1	6.6	20.2	
Soybean	20.8	5.7	27.3	1.1	5.2	<0.1	2.4	15.1	
Wild oat	15.1	5.3	35.0	1.9	12.9	<0.1	4.3	14.9	
Common milkweed	22.6	3.4	15.0	1.3	5.7	<0.1	3.7	13.9	
Common ragweed	17.0	4.5	26.7	1.5	8.9	<0.1	3.8	13.7	
Quackgrass	7.5	2.3	30.0	1.1	15.1	<0.1	6.0	7.4	
Sunflower	1.9	<0.1	<0.1	1.8	98.0	0.1	19.0	4.9	
Eastern black nightshade	3.8	0.9	25.0	0.3	8.6	<0.1	5.5	3.0	
Russian thistle	5.7	0.6	10.0	0.1	2.2	<0.1	2.0	2.7	
Prickly lettuce	3.8	0.4	10.0	0.3	7.5	<0.1	7.0	2.3	
Shepherd's-purse	1.9	0.2	10.0	0.1	3.2	<0.1	3.0	1.0	
Tall waterhemp	1.9	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9	
Perennial sowthistle	1.9	0.2	10.0	<0.1	1.1	<0.1	1.0	0.9	
Weed free	43.4	12.1	27.8	-	-	-	-	-	



Table 63. Walsh county weed infestations based on 77 surveyed fields, spring 2000.

Weed species	Weed		Field Uniformity		Weed Density		Weed Density Range		Weed Index
	Frequency	All	Infested	All	Infested	Low	High		
	(%)	(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --		
Wild mustard	59.7	21.8	36.5	5.5	9.1	<0.1	3.0	54.5	
Yellow foxtail	23.4	9.9	42.2	9.1	38.8	0.4	11.6	38.8	
Canada thistle	36.4	10.5	28.9	4.8	13.3	0.1	5.4	33.9	
Wild oat	24.7	7.9	32.1	3.4	13.8	<0.1	5.8	24.1	
Quackgrass	23.4	4.4	18.9	1.9	8.3	<0.1	5.3	16.7	
Wild buckwheat	15.6	6.0	38.3	1.2	7.9	<0.1	2.4	14.0	
Kochia	16.9	3.2	19.2	1.9	11.3	0.1	5.5	13.3	
Volunteer cereal	10.4	2.6	25.0	2.6	25.4	0.1	8.9	12.2	
Common lambsquarters	10.4	1.4	13.8	0.2	1.5	<0.1	1.0	5.3	
Common mallow	5.2	2.2	42.5	0.4	8.6	<0.1	3.3	5.0	
Common milkweed	7.8	1.2	15.0	0.3	3.8	<0.1	2.3	4.5	
Canola	2.6	<0.1	<0.1	1.4	53.3	<0.1	25.5	4.1	
Pigweed species	3.9	1.9	50.0	0.2	6.1	<0.1	1.7	3.8	
Prickly lettuce	3.9	1.0	26.7	0.3	6.5	<0.1	3.3	2.9	
False chamomile	3.9	0.6	16.7	0.1	1.8	<0.1	1.0	2.1	
Green foxtail	1.3	<0.1	<0.1	0.4	33.4	<0.1	7.0	1.4	
Flixweed/Tansy mustard	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2	
Biennial wormwood	1.3	0.1	10.0	<0.1	1.1	<0.1	1.0	0.6	
Weed free	63.6	23.9	37.6	-	-	-	-	-	

Table 64. Ward county weed infestations based on 62 surveyed fields, spring 2000.

Weed species	Weed		Field Uniformity		Weed Density		Weed Density Range		Weed Index
	Frequency	All	Infested	All	Infested	Low	High		
	(%)	(%)	(%)	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --	-- Plants/m <sup>2</sup> --		
Green foxtail	95.2	38.4	40.3	41.1	43.1	4.1	45.5	165.9	
Wild buckwheat	64.5	24.4	37.8	11.3	17.5	0.1	6.2	72.2	
Canada thistle	62.9	20.3	32.3	6.1	9.7	<0.1	4.6	55.6	
Wild mustard	45.2	18.9	41.8	7.4	16.3	<0.1	6.6	51.1	
Kochia	40.3	11.1	27.6	6.6	16.3	0.1	16.6	39.9	
Field pennycress	35.5	11.1	31.4	3.3	9.2	<0.1	4.0	30.6	
Volunteer cereal	19.4	7.9	40.8	3.2	16.5	<0.1	7.8	21.8	
Sunflower	19.4	7.6	39.2	3.0	15.7	<0.1	11.1	21.1	
Field bindweed	27.4	6.5	23.5	1.2	4.4	<0.1	2.3	18.4	
Quackgrass	24.2	5.8	24.0	1.8	7.5	<0.1	3.7	18.1	
Canola	11.3	6.3	55.7	2.9	25.4	<0.1	8.6	16.7	
Russian thistle	16.1	5.3	33.0	1.7	10.8	<0.1	4.4	14.7	
Pigweed species	12.9	5.5	42.5	1.5	11.3	<0.1	9.1	13.2	
Wild oat	9.7	2.4	25.0	1.5	15.6	<0.1	7.7	9.2	
Perennial sowthistle	11.3	2.7	24.3	0.8	6.9	<0.1	3.0	8.3	
Common ragweed	11.3	2.4	21.4	0.4	3.8	<0.1	2.3	7.2	
Common mallow	8.1	2.1	26.0	0.6	7.5	<0.1	3.6	6.2	
Annual smartweed	4.8	0.8	16.7	1.4	28.0	0.1	7.0	5.6	
Fairy candleabra	6.5	1.6	25.0	0.5	7.0	<0.1	3.0	4.8	
Flixweed/Tansy mustard	9.7	1.1	11.7	0.2	1.6	<0.1	1.3	4.7	
Common lambsquarters	8.1	1.1	14.0	0.3	3.4	<0.1	8.8	4.5	
Sweetclover	1.6	<0.1	<0.1	1.0	61.4	0.1	32.0	2.8	
Common milkweed	3.2	0.8	25.0	0.3	10.8	<0.1	5.0	2.7	
Whitlowwart species	3.2	0.8	25.0	0.2	5.9	<0.1	3.5	2.3	
Downy brome	3.2	0.8	25.0	0.2	4.8	<0.1	2.5	2.2	
Dandelion	3.2	0.8	25.0	0.1	3.8	<0.1	2.0	2.2	
Shepherd's-purse	3.2	0.5	15.0	0.1	3.8	<0.1	2.5	1.8	
Lanceleaf sage	3.2	0.5	15.0	0.1	3.8	<0.1	3.0	1.8	
Cutleaf nightshade	3.2	0.3	10.0	<0.1	1.1	<0.1	1.0	1.5	
Prickly lettuce	1.6	0.3	20.0	0.2	12.9	<0.1	8.0	1.3	
Biennial wormwood	1.6	0.5	30.0	0.1	4.3	<0.1	2.0	1.2	
Weed free	32.3	7.1	22.0	-	-	-	-	-	

Table 65. Wells county weed infestations based on 42 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
				-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	88.1	27.6	31.4	30.9	35.1	2.9	36.3	129.2
Wild mustard	73.8	29.8	40.3	15.6	21.2	<0.1	8.4	90.8
Wild oat	52.4	21.2	40.5	9.2	17.6	<0.1	6.2	60.2
Kochia	57.1	19.8	34.6	8.0	14.0	1.1	11.1	57.5
Wild buckwheat	57.1	16.0	27.9	3.4	5.9	<0.1	2.8	42.9
Canada thistle	45.2	9.8	21.6	2.8	6.2	<0.1	3.3	31.4
Sunflower	11.9	6.7	56.0	4.2	35.3	<0.1	10.0	20.4
Yellow foxtail	7.1	4.0	56.7	4.2	58.5	<0.1	13.3	16.2
Common lambsquarters	23.8	5.2	22.0	1.1	4.6	<0.1	12.6	15.7
Perennial sowthistle	21.4	4.3	20.0	1.4	6.7	<0.1	4.7	14.8
Volunteer cereal	11.9	4.5	38.0	1.1	8.8	<0.1	3.6	10.9
Canola	7.1	1.2	16.7	2.9	40.2	0.2	14.3	10.3
Russian thistle	11.9	1.7	14.0	0.3	2.6	<0.1	2.0	6.4
Field bindweed	7.1	2.6	36.7	0.4	6.1	<0.1	2.3	6.0
Common cocklebur	9.5	1.4	15.0	0.3	3.0	<0.1	2.3	5.3
Common ragweed	4.8	1.9	40.0	0.7	15.6	<0.1	7.5	5.2
Common mallow	7.1	1.4	20.0	0.5	6.8	<0.1	3.7	4.9
Pigweed species	9.5	1.2	12.5	0.2	2.2	<0.1	1.8	4.8
Quackgrass	7.1	0.7	10.0	0.2	2.9	<0.1	2.7	3.6
Dry bean	2.4	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Common milkweed	2.4	0.2	10.0	<0.1	1.1	<0.1	1.0	1.1
Weed free	35.7	12.1	34.0	-	-	-	-	-

Table 66. Williams county weed infestations based on 39 surveyed fields, spring 2000.

Weed species	Weed Frequency (%)	Field Uniformity		Weed Density		Weed Density Range		Weed Index
		All (%)	Infested (%)	All	Infested	Low	High	
				-- Plants/m <sup>2</sup> --		-- Plants/m <sup>2</sup> --		
Green foxtail	76.9	33.3	43.3	32.9	42.7	1.9	23.9	135.7
Kochia	41.0	12.8	31.3	3.9	9.6	<0.1	7.4	35.7
Pigweed species	28.2	6.4	22.7	4.1	14.5	0.1	6.4	25.3
Russian thistle	20.5	5.1	25.0	2.8	13.9	<0.1	5.0	18.6
Yellow foxtail	12.8	5.9	46.0	2.6	20.7	0.1	12.8	16.4
Wild buckwheat	17.9	6.9	38.6	1.3	7.4	<0.1	2.3	16.0
Canada thistle	15.4	2.8	18.3	0.6	4.1	<0.1	1.5	9.4
Quackgrass	7.7	1.8	23.3	2.2	28.0	<0.1	8.0	9.4
Field bindweed	10.3	2.8	27.5	0.6	5.7	<0.1	3.0	7.6
Wild oat	7.7	2.3	30.0	1.0	12.6	<0.1	4.3	7.1
Flixweed/Tansy mustard	10.3	1.8	17.5	0.4	4.0	<0.1	2.0	6.2
Wild mustard	10.3	1.8	17.5	0.2	1.9	<0.1	1.0	5.7
Fairy candleabra	5.1	1.5	30.0	0.3	5.4	<0.1	2.5	3.9
Field pennycress	7.7	0.8	10.0	0.1	1.8	<0.1	1.7	3.7
Dandelion	7.7	0.8	10.0	0.1	1.1	<0.1	1.0	3.5
Annual smartweed	2.6	0.5	20.0	0.4	15.1	<0.1	13.0	2.3
Perennial sowthistle	2.6	0.5	20.0	0.1	5.4	<0.1	3.0	1.7
Common lambsquarters	2.6	0.5	20.0	0.1	2.2	<0.1	1.0	1.5
Downy brome	2.6	0.5	20.0	0.1	2.2	<0.1	1.0	1.5
Hedge bindweed	2.6	0.3	10.0	0.1	2.2	<0.1	2.0	1.2
Prairie wild rose	2.6	0.3	10.0	0.1	2.2	<0.1	2.0	1.2
Volunteer cereal	2.6	0.3	10.0	0.1	2.2	<0.1	2.0	1.2
Curly dock	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Prostrate pigweed	2.6	0.3	10.0	<0.1	1.1	<0.1	1.0	1.2
Weed free	43.6	15.4	35.3	-	-	-	-	-

