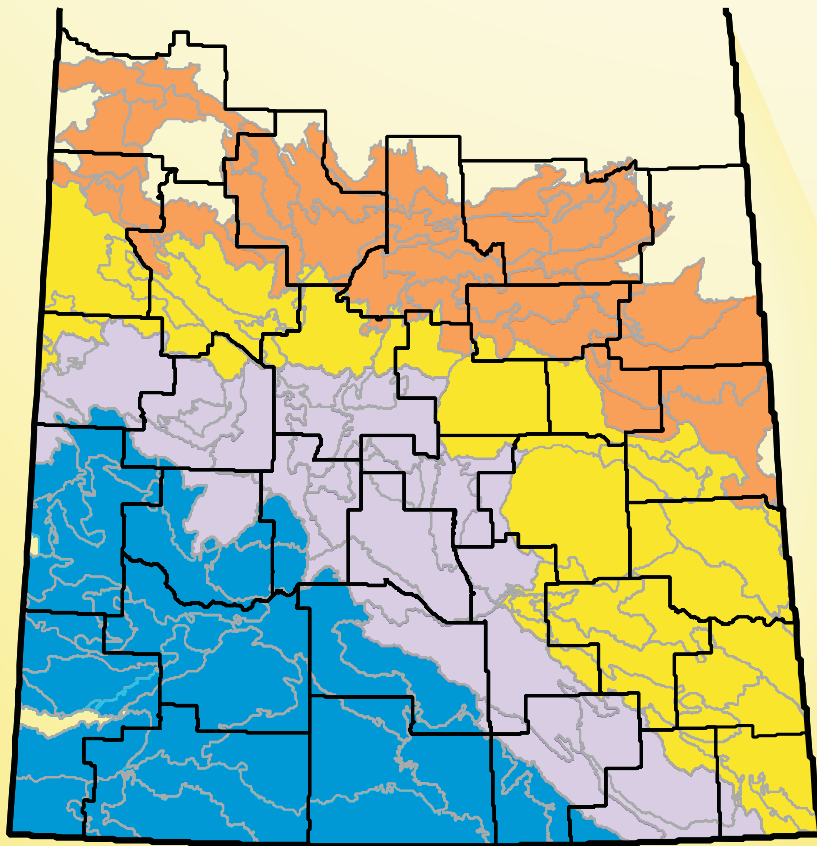


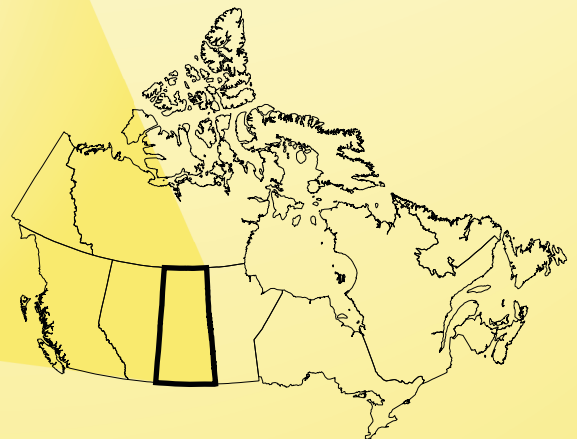


# Saskatchewan Weed Survey

Cereal, Oilseed and Pulse Crops  
2003



Julia Y. Leeson  
A. Gordon Thomas  
Clark A. Brenzil



Weed Survey Series

# Saskatchewan Weed Survey of Cereal, Oilseed and Pulse Crops in 2003

by

JULIA Y. LEESON and A. GORDON THOMAS

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and

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Weed Survey Series

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**PREVIOUSLY PUBLISHED REPORTS IN THE WEED SURVEY SERIES**

Number	Title
76-1	Weed survey of cultivated land in Saskatchewan (1976)
77-1	Weed survey of cultivated land in Saskatchewan (1977)
78-1	Report on the 1977 weed survey and questionnaire in Saskatchewan
78-2	Weed survey of cultivated land in Saskatchewan (1978)
78-3	Weed survey of cultivated land in Manitoba (1978)
79-1	Manitoba weed survey questionnaire data (1978)
79-2	Weed survey of cultivated land in Saskatchewan (1979)
79-3	Weed survey of cultivated land in Manitoba (1979)
80-2	Weed survey of grain fields in Prince Edward Island (1978)
80-3	Manitoba weed survey questionnaire data (1979)
82-1	Weed survey of cultivated land in Manitoba (1981)
82-2	Manitoba weed survey questionnaire data (1981)
83-1	Weed survey of Essex and Kent counties (1978 and 1979)
83-2	Essex and Kent counties - weed survey questionnaire data (1978 and 1979)
83-3	The 1979 weed survey of grain fields in Prince Edward Island
83-4	Peace River Region of British Columbia weed survey of cereal and oilseed crops (1978, 1979 and 1980)
83-5	Peace River Region of British Columbia weed survey of forage crops (1978, 1979 and 1980)
83-6	Weed survey of Saskatchewan cereal and oilseed crops from 1976 to 1979
84-1	Weed surveys of Manitoba cereal and oilseed crops from 1978, 1979 and 1981
85-1	Weed surveys of alfalfa seed fields in Manitoba (1983)
85-2	Survey for weeds and their competitive effect in corn and soybean fields of Essex and Kent Counties in Ontario
85-3	Dew's Alberta weed survey (1973-1977)
86-1	Weed survey of Saskatchewan sunflower fields (1985)
86-2	Weed survey of Saskatchewan mustard, lentil and dry pea crops (1985)
86-3	Weed survey of Saskatchewan winter wheat fields (1985)
86-4	Fort Vermilion Area of Alberta weed survey in cereal and oilseed fields (1985)
87-1	Weed survey of Saskatchewan cereal and oilseed crops (1986)
87-2	Weed survey of Saskatchewan winter wheat fields (1986)
87-3	Saskatchewan cereal and oilseed crops weed survey questionnaire (1986)
88-1	Weed survey of cereal and oilseed crops in Manitoba (1986)
88-2	Weed survey of Saskatchewan winter wheat fields (1987)
88-3	Manitoba cereal and oilseed crops weed survey questionnaire (1986)
89-1	Weed survey of Saskatchewan winter wheat fields (1985-1988)
90-1	Weeds of corn, soybean, and winter wheat fields under conventional, conservation, and no-till management systems in southwestern Ontario (1988 and 1989)
96-1	Saskatchewan weed survey of cereal, oilseed and pulse crops (1995)
97-1	Manitoba weed survey comparing zero and conventional tillage crop production systems (1994)
98-1	Manitoba weed survey of cereal and oilseed crops in 1997
98-2	Alberta weed survey of cereal and oilseed crops in 1997
98-3	Saskatchewan weed survey: herbicide resistant wild oat and green foxtail 1996

*(Table continued on next page)*

Previously published reports in the Weed Survey Series (*continued*)

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Number	Title
98-5	Manitoba weed survey: herbicide-resistant wild oat 1997
99-3	Farm management practices in Manitoba - 1997 weed survey questionnaire results
99-4	Saskatchewan weed survey: herbicide-resistant wild oat 1997
02-1	Alberta weed survey of cereal, oilseed and pulse crops in 2001
02-2	Manitoba weed survey of cereal and oilseed crops in 2002

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A major four-year weed survey project titled “Shifts in the Distribution, Abundance, Resistance, and Management of Weeds in Prairie Ecosystems” was initiated in 2001. The project has three equally important components. The field survey component involves weed counts in 4000 randomly selected sites in Alberta, Saskatchewan and Manitoba. The second project component includes a management questionnaire that is used to gather details of the farm practices used on the 4000 surveyed fields. Dr. Hugh Beckie is the coordinator for the third project component that involves a survey for resistant weeds in 800 fields randomly selected from the list of surveyed sites.

Each of the Prairie Provinces was surveyed first in the 1970's and again in the 1980's and 1990's. The 2003 Saskatchewan survey reported in this publication is part of the fourth survey in the series. Alberta was surveyed in 2001 and Manitoba in 2002. After completion of the Saskatchewan field survey, Saskatchewan Agriculture, Food and Rural Revitalization collected information on the management history of the surveyed fields using a questionnaire. The summarization of the questionnaire data is an important aspect of the overall project and will be the subject of a separate report in the future. A detailed analysis of the correlations between weed communities and management practices will also be the subject of future publications.

The weed community database, compiled from periodic surveys in Saskatchewan, now contains information on the density of more than 150 weed species in approximately 8800 fields of cereal, oilseed and pulse crops. This is the only source of independent quantitative data on weed populations for these crops in Saskatchewan. The size and time span of the database make it unique and valuable for tracking shifts in weed populations.

This report is part of a Weed Survey Series that presents the information accumulated during the past 28 years of weed survey projects in Canada. The purpose of these reports is to provide quick summaries of the results in tables and maps. The published reports to date have dealt with cereal and oilseed crops in Prince Edward Island, Manitoba, Saskatchewan, Alberta, and the Peace River Region of British Columbia. Reports from southern Ontario included the row crops, corn, soybean, tomato and cereal crops. Weeds of forage crops in the Peace River Region of British Columbia and weeds of fields where alfalfa was grown for seed in Manitoba were also the subjects of reports in this series. Some publications in this series reported on surveys of sunflower, mustard, lentil, field pea, and winter wheat in Saskatchewan. Comparisons among the weed populations under different tillage systems in southwestern Ontario and in Manitoba were published. All these surveys have used a similar method of summarization that enables the results from across Canada and from different years to be assessed in the same way.

I hope that you will find the survey results contained in this report a useful addition to our knowledge of the distribution and abundance of weeds in Saskatchewan. It is my goal to provide these data in a timely manner and in a convenient format. I encourage you to take the time to delve into the details contained in this report and hope it will provide answers to some of your specific questions. Your suggestions and comments on the content and style of the presentation are always appreciated.

A. Gordon Thomas  
Survey Project Leader  
Agriculture and Agri-Food Canada  
Saskatoon Research Centre

Saskatoon, SK  
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We would like to thank all the Saskatchewan Agriculture, Food and Rural Revitalization staff from the Crop Development, Administration and Extension Branches who helped with the weed survey. The following names and office locations are those of Saskatchewan Agriculture Food and Rural Revitalization staff who contacted producers on the telephone to recruit their participation in the study.

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Canora	Marlene Comeault	Outlook	Marina Matlock
Carnduff	Patricia Sidey	Prince Albert	Elaine Tompkins
Davidson	Jane Brown		Shirley Osarchuk
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Maple Creek	Kris Mason Yorkton Heather Reznechenko	Weyburn	Cheryl Roberts Norma Barsi
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Moose Jaw	Colleen Seaman		
Moosomin	Donna Raab Lynn Riess		

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<u>Affiliation</u>	<u>Surveyors</u>	<u>Agricultural District</u>
Agriculture and Agri-Food Canada	Brett Hrynewich	North Battleford, Wynyard, Unity, Saskatoon, Nipawin, Regina, Watrous, West Prince Albert, Biggar, Kindersley, Rosetown
	Julia Leeson	Wynyard, North Battleford, Canora, Kelvington
	Laura Marshall	Wynyard, Canora, Saskatoon, North Battleford, Regina, Biggar, Kindersley, Rosetown, Kelvington
Conservation Learning Centre	Vicky Reaney	Wynyard, Unity, Nipawin, Watrous, West Prince Albert
	Luke Boyle	Tisdale, Saskatoon, Prince Albert, Humboldt
Independent Contractors	Julia Laforge	West Prince Albert, Saskatoon, Prince Albert
	Coleman Arie	Lloydminster
	Reid Balawyder	Canora
	Rachel Buhler	Saskatoon
	Michelle Cowell	Watrous, Tisdale, Nipawin, Kelvington, Humboldt, Hudson Bay
	Dave Cubbon	Meadow Lake
	Darin Egert	Unity, North Battleford, Biggar
	Peter Frey	North Battleford
	Heath Gabruch	North Battleford
	Rachelle German	Watrous, Saskatoon, Outlook
	Mandy Huska	Yorkton, Canora
	Jim Kerr	Biggar
	Regan Kunz	West Prince Albert
	Jim Miller	Biggar
	Troy Moroz	Canora
Murray Nielson	North Battleford	
Doug Patience	Outlook, Davidson	
Terri-Lynn Paulson	Yorkton, Wynyard, Canora	

*(Continued on next page)*

<u>Affiliation</u>	<u>Surveyors</u>	<u>Agricultural District</u>
Independent Contractors ( <i>continued</i> )	Glenn Ridalls Matt Speir Jennifer Stefankiw Robert Tanner	Rosetown, Outlook, Kindersley Unity, Kindersley Yorkton, Wynyard, Watrous Weyburn, Regina, Moosomin, Indian Head, Estevan, Carnduff
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It is with special pleasure that we acknowledge the contribution made by 2046 producers who agreed to co-operate in the project by permitting survey staff to count weeds in their fields.

A. Gordon Thomas, Julia Y. Leeson and Clark A. Brenzil



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History of Weed Survey Activities in Saskatchewan

Early reports on weeds in Saskatchewan (then part of the Northwest Territories) were lists of species with general statements of where they occurred and the seriousness of the problem<sup>1</sup>. The first indication of the relative importance of seven serious weeds in Saskatchewan was obtained from reconnaissance surveys in 1930 and 1931<sup>2</sup>. In these surveys, estimates of the prevalence and distributions of species were obtained from government officials and weed inspectors through interviews and questionnaires. Groh and Frankton<sup>3</sup> published the results of their reconnaissance survey in 1949. They listed the frequency of occurrence of weeds in various areas of the province. In a questionnaire survey conducted during the 1960's by Alex<sup>4</sup>, the extension staff was asked to estimate the density and area infested with 40 species of weeds based on their knowledge of their specific Districts. These estimates for municipalities were presented on maps for each species. Although this survey provided information that was of great value at the time, researchers and extension specialists recognized, by the mid-1970's, a need for quantitative data based on weed counts in fields of producers.

The current series of surveys was initiated in 1975 in response to the need for quantitative data. These surveys collected data from weed counts in fields during July and early August. Information on the distribution and abundance of weeds occurring in cereal (spring wheat, barley, oats and fall rye) and oilseed crops (rapeseed and flax) in Saskatchewan was obtained in a series of summer surveys from 1976 to 1979<sup>5</sup>. A goal of 1000 fields was set for the 1976, 1978 and 1979 surveys. For the 1977 survey, the goal was increased to 1500 fields. The distribution of fields in the survey area was determined by a stratified random sampling procedure using the 43 Agricultural Extension Districts as the strata. The number of fields in each District was allocated in proportion to the area of the six crops. A minimum of ten sites was allocated to each District, resulting in an overrepresentation in Hudson Bay (District 25) and Meadow Lake (District 36) in relation to the number of cultivated hectares. Not all the selected sites in a District were surveyed each year because of staff limitations and other unforeseen circumstances. Distribution maps were produced for 30 species.

A question asked frequently is whether the species composition and density of the weed flora have changed since the last survey. Thus, surveys are needed to document the weed picture every few years so that these comparisons can be made. Consecutive annual surveys can only rarely be used to detect trends in weed distribution and abundance because shifts in weed populations occur slowly. Consequently, the initial series of four years of annual surveys was followed by a second survey conducted 7 years later in 1986<sup>6</sup>. Fields were allocated to the 43 Districts using the same procedure as in the 1976-1979 surveys. A goal of 1200 fields was set for the survey. The same six crops were included but separate weed summaries were not produced for fall rye because only four fields were surveyed. Distribution maps based on relative abundance were produced for 39 species.

---

<sup>1</sup> **Fletcher, J.** 1897. The worst Canadian weeds. Central Experimental Farm, Canada Department of Agriculture. Bull. No. 28, Ottawa, ON. 43 pp.

<sup>2</sup> **Mason, J. M.** 1932. Weed survey of the prairie provinces. National Research Council of Canada. Rep. No. 26, Ottawa, ON. 34 pp.

<sup>3</sup> **Groh, H. and C. Frankton.** 1949. Canadian weed survey. 7th Report. Canada Department of Agriculture, Ottawa, ON. 144 pp.

<sup>4</sup> **Alex, J. F.** 1965. Survey of weeds of cultivated land in the prairie provinces. Exp. Farm, Res. Branch, Canada Department of Agriculture, Regina, Saskatchewan. 68 pp.

<sup>5</sup> **Thomas, A.G. and R. F. Wise.** 1983. Weed surveys of Saskatchewan cereal and oilseed crops from 1976 to 1979. Weed Survey Series Publ. 83-6. Agriculture Canada, Regina, Saskatchewan. 260 pp.

<sup>6</sup> **Thomas, A. G. and R. F. Wise.** 1987. Weed survey of Saskatchewan cereal and oilseed crops (1986). Weed Survey Series Publ. 87-1. Agriculture Canada, Regina, Saskatchewan. 251 pp.

During the 1980's specialized crops were the subjects of several separate complimentary surveys in Saskatchewan. These included a survey in 1985 of sunflowers<sup>7</sup> and a survey of mustard, lentil and pea<sup>8</sup>. A series of surveys was also conducted in winter wheat each year from 1985 to 1988<sup>9</sup>.

A third survey in the series was conducted nine years later in 1995<sup>10</sup>. Since the 1986 survey a reduction in the frequency of fallow, an increase in the diversity of crops grown in rotations, a reduction in tillage and an increase in direct seeding had occurred. Canary seed, mustard, pea and lentil crops had a large enough acreage to be included in the survey for the first time. Fall rye, which had been included in previous surveys, was excluded. Durum wheat was treated as a separate crop from spring wheat. A goal of 1200 fields was set for the survey. Site selection utilized ecodistricts rather than Agricultural Extension Districts as the units for stratification. Distribution maps were produced for 38 species.

### The 2003 Saskatchewan Weed Survey Project

#### *Rationale*

Eight years have past since the third survey in Saskatchewan was conducted in 1995. Numerous changes in the agricultural industry since the last survey have presented the need for a new survey with updated information. The last survey was conducted before the widespread adoption of herbicide-resistant canola varieties. The weed abundance and management data from the previous survey have provided an important baseline on residual weed populations in canola and the associated farm management practices prior to the widespread adoption of herbicide-tolerant varieties. The survey in 2003 will provide the information for an assessment of the impact of the adoption of this technology on weed communities in canola.

The weed survey data can be used to document the changes in the distribution and abundance of weeds that have occurred since the previous provincial surveys in 1995, 1986 and 1976 to 1979. Changes in weed abundance can be identified because all the surveys since 1976 have used a similar method of summarization. Individual weeds or groups of species identified as increasing in abundance can be targeted for attention by various agencies involved in weed science. The trends identified by the weed surveys are important to the research, industry, and extension communities for developing weed management recommendations for producers.

#### *Objective*

The objective of the project was to conduct, in 2003, the fourth weed survey in Saskatchewan since the series of provincial surveys began in the mid 1970s. The survey would measure the species compositions and population densities of the weed communities in the major summer annual crops grown in Saskatchewan.

#### *Expected benefits of the provincial weed survey*

1. Quantitative field surveys of weed populations are used to reveal the current size, extent, and order of importance of species in the province, ecoregions, extension districts, and other spatially defined areas of interest.

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<sup>7</sup> **Thomas, A.G. and R.F. Wise.** 1986. Weed survey of Saskatchewan sunflower fields (1985). Weed Survey Series Publ. 86-1. Agriculture Canada, Regina, Saskatchewan. 50 pp.

<sup>8</sup> **Douglas, D.W. and A.G. Thomas.** 1986. Weed survey of Saskatchewan mustard, lentil and dry pea crops (1985). Weed Survey Series Publ. 86-2. Agriculture Canada, Regina, Saskatchewan. 157 pp.

<sup>9</sup> **Thomas, A.G. and R.F. Wise.** 1989. Weed surveys of Saskatchewan winter wheat fields (1985-1988). Weed Survey Series Publ. 89-1. Agriculture Canada, Regina, Saskatchewan. 106 pp.

<sup>10</sup> **Thomas, A. G., R. F. Wise, B. L. Frick and L. T. Juras.** 1996. Saskatchewan weed survey of cereal, oilseed and pulse crops in 1995. Weed Survey Series Publ. 96-1. Agriculture and Agri-Food Canada, Saskatoon, Saskatchewan. 130 pp.

2. The spatial distributions of the most common species are represented in maps that clearly illustrate areas of high and low abundance in relation to the physical landscape and jurisdictional areas of the province.
3. Tracking the increase or decrease in weed populations and the changes in the composition and structure of weed communities, using the database of survey information from the previous three surveys, will indicate the extent by which various weeds are spreading or being controlled and thus the effectiveness of weed management programs.
4. Crop yield losses due to specific weeds can be estimated and these loss estimates can be used to establish the economic costs.
5. Weed survey data can provide an objective basis for developing ecologically and economically sustainable strategies to manage agricultural weeds. The data are used to set research and education priorities, develop recommendations, and design weed management strategies in the research, extension, and agri-business communities.
6. Targeting of increasingly scarce scientific resources requires objective information on the species compositions and population densities of the weed communities that occur locally, regionally or provincially. Individual species or groups of species can be targeted for attention by various agricultural agencies.
7. Additional benefits of the weed survey will be realized when the results are combined with the information gathered in the farm management questionnaire survey. The questionnaire survey will provide detailed information on what farmers are doing to produce a crop. By combining the field and questionnaire survey data, particular weed management practices that are important determinants of distinctive weed communities can be determined.
8. Relating trends in weed populations and communities to the use of specific agronomic and weed control practices or to cropping systems will identify possible reasons that certain weeds have become more or less of a problem on an ecoregion, crop, or provincial basis.
9. Predicting shifts in weed populations and communities that might occur because of anticipated changes in agronomic practices, weed control management, and agricultural policy will allow agricultural agencies to develop weed management strategies that meet the future needs of farmers.

#### Study Area

The survey included the 29 million hectares of cultivated land of the province of Saskatchewan. This area extends from the border with the United States in the south (49°N latitude) to approximately 54°30'N latitude on the west side of the province and 53°N latitude on the east side of the province. Saskatchewan is bordered on the east (102°W longitude) by the province of Manitoba and on the west (110°W longitude) by the province of Alberta.

#### *Ecoregions and Ecodistricts*

The survey area is represented by four major ecoregions and two smaller ecoregions<sup>11</sup> (Figure 1). Ecoregions are areas of similar, climate, natural vegetation, soils and land use. Each ecoregion consists of one or more ecodistricts (Figure 2). Ecodistricts are similar in landform, relief, surficial material, soil, vegetation and land use. Ecodistricts with less than ten sites were combined with adjacent ecodistricts in the summaries. Climate information for major ecodistricts included in the survey is given in Table 1.

**The Mid-Boreal Upland Ecoregion** includes a large block in the western portion of the province, north of the major agricultural area and four smaller uplands located to the south and east of this main area. Native vegetation in this ecoregion is a mixture of coniferous and deciduous trees dominated by trembling aspen, jack pine, black spruce, white spruce and balsam poplar. Gray Luvisols and Eutric Brunisols prevail on hummocky and ground moraine slopes. The lower slopes are dominated by Gleysols and Organic soils. Brunisols are common on sandy glaciofluvial, glacial till and eolian deposits. Agriculture is only common in the southern areas of the Mid-Boreal

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<sup>11</sup> **Acton, D. F., G. A. Padbury, and C. T. Stushnoff.** 1998. The ecoregions of Saskatchewan. Hignell Printing Limited, Winnipeg, Manitoba. 205 pp.

Upland Ecoregion; therefore, the ecoregion is represented in the study by only four ecodistricts. The Bronson Upland and Porcupine Hills are two separate elevated uplands located within the Boreal Transition Ecoregion along the western and eastern edges, respectively. Leoville Hills and Emma Lake Upland are found at the southern edge of the larger contiguous area of the ecoregion. This ecoregion is combined with the Boreal Transition Ecoregion in the weed summaries.

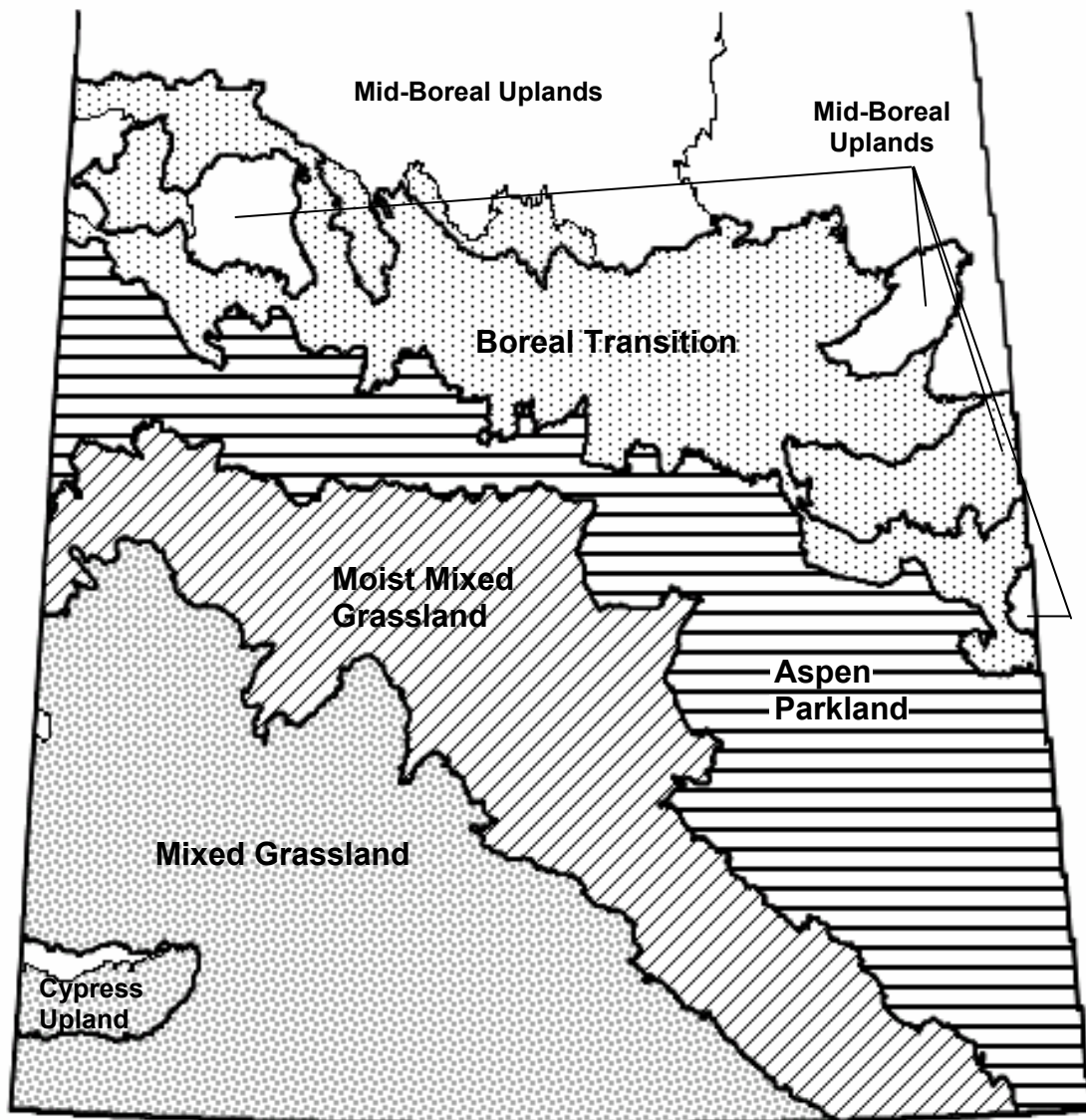
The **Boreal Transition Ecoregion** marks both the southern limit of the boreal forest and the northern limit of arable agriculture. The remaining native vegetation is primarily a deciduous boreal forest, dominated by trembling aspen; as the majority of the original grasslands have been cultivated. The ecoregion is a undulating to gently sloping plain, with glacial till and fluvio-glacial deposits underlain by Cretaceous shale. Black and Dark Gray Chernozems are predominant in the southern areas on the ecoregion, while Dark Gray Luvisols soils occur in the north portion. As approximately half of this ecoregion is farmland, 22 of the 23 ecodistricts in this ecoregion were represented in the survey. An exception is the Frog Lake Upland, located on the Alberta border. This ecodistrict did not have enough cultivated land to be included in the weed survey.

The **Aspen Parkland Ecoregion** forms an arc across the province immediately south of the Boreal Transition Ecoregion. This area is a zone of transition between the forests to the north and grassland to the south. The native vegetation is dominated by trembling aspen and fescue grasslands. The ecoregion is a broad plain with hilly uplands. The area has glacial till, glaciolacustrine and glaciofluvial deposits. The dominant soil is a Black Chernozem. This ecoregion is a highly productive agricultural area. All 22 ecodistricts in this ecoregion were included in the survey.

The **Moist Mixed Grassland Ecoregion** is the most northern area of open grassland in the prairies. Native vegetation, where it remains, is dominated by spear grass and wheat grass. The ecoregion is composed of hummocky to kettled glacial till and level to very gently undulating lacustrine deposits. Dark Brown Chernozemic soils predominate throughout the ecoregion. Approximately 80% of the ecoregion is in agricultural production. All 20 ecodistricts in this ecoregion were included in the survey.

The **Mixed Grassland Ecoregion** is part of the semiarid shortgrass prairie, found to the south of the Moist Mixed Grassland Ecoregion. Native vegetation is dominated by spear grass, wheat grass and blue grama grass. The ecoregion is composed of dissected to kettled glacial till, undulating to dissected lacustrine sediments and hummocky Eolian deposits. Soils are predominantly Brown Chernozems. Cultivated land covers about half of the ecoregion. All 24 ecodistricts in this ecoregion are represented in the Saskatchewan survey, with the exception of Acadia Valley Plain Ecodistrict, which has too small a land base in Saskatchewan.

The **Cypress Uplands Ecoregion** is located within the Mixed Grassland Ecoregion, along the Alberta border. The native vegetation includes the prairie species found in the surrounding ecoregion, as well as lodge pole pine, white spruce and trembling aspen. The area is a plateau formed from very coarse gravel deposited by a migrating braided river during the Tertiary period. In some areas the bedrock is covered by glacial drift or glaciolacustrine deposits. Dark Brown Chernozems soils are dominant in the grassland areas, but Brown soils are also found at the lower elevations. Black, Dark Gray and Gray Luvisolic soils are found in the forested areas. About 21% of the area is cultivated. While sites were allocated in both of the ecodistricts in this ecoregion, no sites were surveyed in the Cypress Slope Ecodistrict. The sites surveyed in this ecoregion are combined with the Mixed Grassland Ecoregion in the weed summaries.

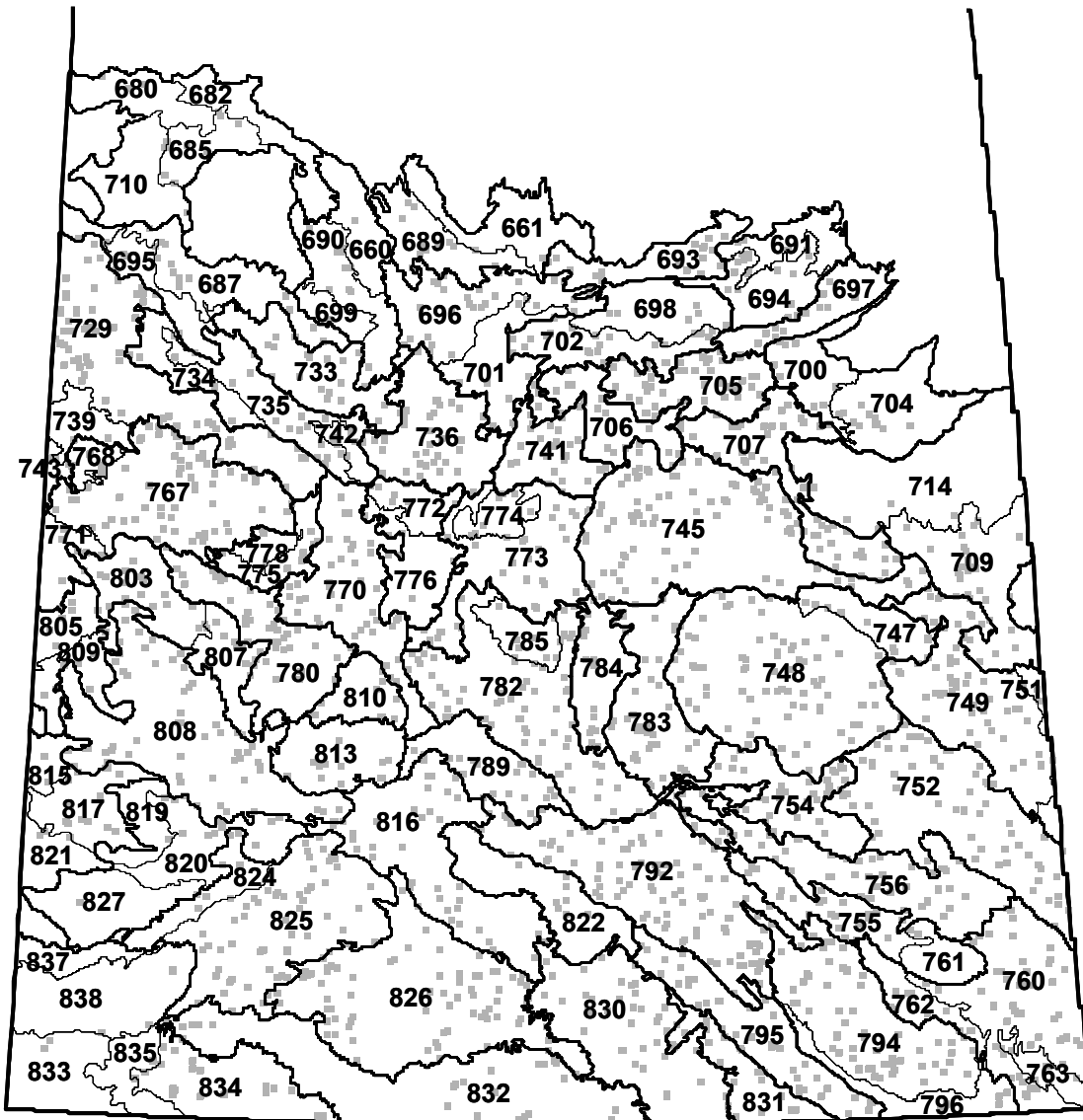


Area included in summaries of:

Boreal Transition  
  Aspen Parkland  
  Moist Mixed Grassland  
  Mixed Grassland

**Figure 1.** Area surveyed in ecoregions included in the weed survey. Major ecoregions are indicated by larger font. Ecoregions that are grouped in summaries are shaded with the same pattern. Map derived from Canadian Soil Information System website<sup>12</sup>.

<sup>12</sup> **Agriculture and Agri-Food Canada.** 2003. A national ecological framework for Canada: GIS data. [Online] Available: [http://sis.agr.gc.ca/cansis/nsdb/ecostrat/gis\\_data.html](http://sis.agr.gc.ca/cansis/nsdb/ecostrat/gis_data.html) [25 November 2003].



**Figure 2.** Ecodistricts included in the weed survey. Ecodistricts that are surrounded by a thick black line on the map are grouped in summaries. Squares indicate locations of surveyed fields. Ecodistrict names are found in Table 1. Map derived from Canadian Soil Information System website<sup>13</sup>.

<sup>13</sup> **Agriculture and Agri-Food Canada.** 2003. A national ecological framework for Canada: GIS data. [Online] Available: [http://sis.agr.gc.ca/cansis/nsdb/ecostrat/gis\\_data.html](http://sis.agr.gc.ca/cansis/nsdb/ecostrat/gis_data.html) [25 November 2003].

Table 1. Climate normals for the ecodistricts included in the Saskatchewan survey<sup>14</sup>

Ecoregion and Ecodistrict <sup>15</sup>	Average Daily Temperature (°C)		Annual Precipitation (mm)	Precipitation Surplus/Deficit (mm) <sup>16</sup>	Growing Season Length (days) <sup>17</sup>
	January	July			
<b>Boreal Transition including Mid-Boreal Uplands (660, 661, 710, 714)</b>					
Meadow Lake Plain (685)	-18.1	16.5	425	-92	173
Beaver River Plain (680)	-16.9	16.3	441	-81	175
Bronson Upland (710)	-18.4	16.5	415	-103	173
St. Cyr Plain (682)	-18.0	16.6	422	-100	174
Onion Lake Plain (687)	-17.4	16.4	422	-101	174
Turtle River Plain (695)	-17.9	16.7	406	-121	176
Sturgeon River Plain (689)	-19.3	16.8	441	-76	172
Emma Lake Upland (661)	-19.3	16.8	441	-69	168
Witchekan Plain (690)	-18.0	16.8	369	-156	175
Leoville Hills (660)	-17.8	16.7	413	-113	176
Meeting Lake Upland (699)	-17.9	16.5	383	-135	173
Whitefox Plain (693)	-19.8	17.4	445	-80	170
Nipawin Plain (694)	-19.5	17.6	470	-62	172
Tobin Lake Lowland (691)	-19.8	17.5	469	-60	172
Shellbrook Plain (696)	-19.6	17.1	420	-98	171
Nisbet Plain (701)	-19.5	17.4	412	-111	173
Red Earth Plain (697)	-20.8	17.1	456	-56	168
Prince Albert Plain (702)	-19.3	17.7	415	-112	173
La Corne Plain (698)	-19.6	17.5	443	-82	172
Hudson Bay Plain (704)	-20.6	17.1	460	-46	167
Mistatim Upland (700)	-20.4	17.3	456	-60	171
Melfort Plain (705)	-19.4	17.9	423	-104	172
Tiger Hills Upland (706)	-18.9	17.8	417	-114	174
Barrier River Upland (707)	-19.7	17.7	441	-80	172
Swan River Plain (709)	-19.3	17.6	478	-37	171
Porcupine Hills (714)	-19.4	17.2	479	-32	169
<b>Aspen Parkland</b>					
Lloydminster Plain (729)	-17.4	17.1	414	-119	177
Provost Plain (743)	-17.5	17.6	408	-127	178
Ribstone Plain (739)	-17.1	17.3	413	-119	178
Whitewood Hills (733)	-18.1	16.8	393	-125	172
Maymont Plain (735)	-17.5	17.6	377	-162	178
Lower Battle River Plain (734)	-16.9	17.4	410	-129	179
Hafford Plain (742)	-18.4	17.4	362	-167	174
Waldheim Plain (736)	-19.0	17.6	398	-133	175
Cudworth Plain (741)	-17.7	18.3	403	-135	177
Quill Lake Plain (745)	-18.6	17.8	414	-115	174
Touchwood Hills Upland (748)	-18.0	17.9	414	-115	175
Whitesand Plain (747)	-18.9	17.6	441	-79	172

(Table continued on next page)

<sup>14</sup> Agriculture and Agri-Food Canada. 1997. Canadian ecodistrict climate normals 1961-1990. [Online] Available: <http://sis.agr.gc.ca/cansis/nsdb/ecostrat/district/climate.html> [25 November 2003].

<sup>15</sup> Indented ecodistricts are combined with preceding ecodistricts in summaries

<sup>16</sup> Annual potential evapotranspiration (PE) was estimated from climatic normals for each ecodistrict using the Thornthwaite method. A precipitation surplus/deficit was computed by subtracting the PE from total precipitation.

<sup>17</sup> Growing season length is the total number of days when mean daily air temperature equals or exceeds 5 degrees Celsius

Table 1. Climate normals for the ecodistricts included in the Saskatchewan survey (*continued*)

Ecoregion and Ecodistrict	Average Daily Temperature (°C)		Annual Precipitation (mm)	Precipitation Surplus/Deficit (mm)	Growing Season Length (days)
	January	July			
<b>Aspen Parkland</b> ( <i>continued</i> )					
Yorkton Plain (749)	-18.7	18.0	454	-73	174
St. Lazarre Plain (751)	-18.0	18.5	441	-94	177
Melville Plain (752)	-17.2	18.6	441	-95	178
Indian Head Plain (754)	-17.2	18.6	412	-130	180
Moose Mountain Upland (755)	-17.6	18.6	408	-126	177
Moose Mountain (761)	-16.9	18.6	418	-114	177
Kipling Plain (756)	-17.0	18.6	427	-109	178
Gainsborough Plain (760)	-16.3	19.1	454	-89	180
Moose Mountain Creek Plain (762)	-16.2	19.1	418	-124	180
Oak Lake Plain (763)	-16.8	19.5	468	-84	182
<b>Moist Mixed Grassland</b>					
Tramping Lake Plain (767)	-16.9	17.4	368	-166	177
Neutral Hills (771)	-15.7	17.7	367	-169	179
Senlac Hills (768)	-17.0	17.5	398	-138	179
Goose Lake Plain (770)	-17.1	18.4	344	-204	181
Saskatoon Plain (772)	-17.9	18.4	356	-191	179
Moose Wood Sand Hills (776)	-17.5	18.6	353	-199	182
Elstow Plain (773)	-17.6	18.7	362	-185	180
Minichinas Upland (774)	-17.4	18.4	381	-160	179
Bear Hills (775)	-17.0	18.0	351	-191	178
Biggar Plain (778)	-17.0	18.0	354	-186	178
Rosetown Plain (780)	-17.1	18.0	345	-195	179
Arm River Plain (782)	-16.8	18.8	357	-191	182
Allan Hills (785)	-17.4	18.5	364	-179	179
Strasbourg Plain (783)	-17.2	18.7	375	-174	181
Last Mountain Lake Plain (784)	-17.6	18.6	371	-174	180
Eyebrow Plain (789)	-16.0	19.0	352	-200	183
Regina Plain (792)	-16.0	19.1	376	-175	182
Griffin Plain (794)	-15.6	19.6	408	-146	183
Souris River Plain (796)	-15.7	19.4	413	-136	182
Trossachs Plain (795)	-15.0	19.4	418	-138	184
<b>Mixed Grassland including Cypress Uplands (837, 838)</b>					
Kerrobert Plain (803)	-16.4	18.1	340	-203	180
Bad Hills (807)	-16.2	18.1	317	-226	180
Sibbald Plain (805)	-14.6	18.5	302	-249	184
Oyen Upland (809)	-14.4	18.5	312	-237	184
Eston Plain (808)	-14.5	18.5	325	-227	184
Coteau Hills (810)	-15.5	18.9	322	-235	185
Beechy Hills (813)	-14.8	18.7	322	-230	183
Chaplin Plain (816)	-14.3	18.9	360	-191	184
Hazlet Plain (817)	-12.9	19.1	332	-228	188
Schuler Plain (821)	-11.9	19.2	327	-229	190
Bindloss Plain (815)	-11.6	19.7	300	-277	194
Antelope Creek Plain (820)	-13.1	18.7	340	-216	188
Great Sand Hills (819)	-13.2	19.0	329	-231	188
Maple Creek Plain (827)	-11.9	19.3	354	-207	191
Dirt Hills (822)	-14.5	19.2	357	-198	185
Swift Current Plateau (825)	-12.7	18.3	358	-183	183
Gull Lake Plain (824)	-12.8	18.4	357	-186	185

*(Table continued on next page)*



Table 1. Climate normals for the ecodistricts included in the Saskatchewan survey (*continued*)

Ecoregion and Ecodistrict	Average Daily Temperature (°C)		Annual Precipitation (mm)	Precipitation Surplus/Deficit (mm)	Growing Season Length (days)
	January	July			
<b>Mixed Grassland</b> ( <i>continued</i> )					
Wood River Plain (826)	-13.4	19.0	362	-186	184
Coteau Lakes Upland (830)	-14.0	19.3	378	-173	184
Lake Alma Upland (831)	-14.6	19.3	437	-114	184
Wood Mountain Plateau (832)	-13.5	18.8	361	-179	182
Climax Plain (834)	-12.2	18.7	333	-212	184
Wild Horse Plain (833)	-12.9	18.8	333	-205	180
Cypress Hills (838)	-12.8	18.2	365	-165	179
Old Man on His Back Plateau (835)	-12.5	18.6	368	-175	183
Cypress Slope (837)	-11.3	19.2	352	-207	192

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### Crop Selection

The selection of cereal, oilseed and pulse crops to be included in the survey was based on the 2003 March seeding intentions for the province<sup>18</sup> (Table 2). It was assumed that a similar proportion of crops would be grown in 2003. A minimum of 20 fields was set as the limit for inclusion of a crop in the survey. Based on a survey target of 2170 fields in Saskatchewan (4000 fields distributed proportionally amongst Alberta, Saskatchewan and Manitoba), five cereal crops, three oilseed crops and three pulse crops were selected.

Table 2. Area of the crops selected for the survey and the number of fields allocated to each crop

Crop	Seeding intentions (1,000 ha)	Proportion of area (%)	Expected number of fields
<b>Cereal</b>			
Spring wheat	4130	29.8	647
Barley	2145	15.5	336
Durum	1922	13.9	301
Oats	850	6.1	133
Canary seed	243	1.8	38
<b>Oilseed</b>			
Canola	2104	15.2	330
Flax	567	4.1	89
Mustard	263	1.9	41
<b>Pulse</b>			
Peas	971	7.0	152
Lentil	506	3.7	79
Chickpea	142	1.0	22
<b>Total</b>	<b>13843</b>	<b>100.0</b>	<b>2170</b>

### Stratification of Sites

Ecodistricts were used as the strata in a stratified random-sampling procedure. The number of fields in an ecodistrict was allocated in proportion to the seeded area of the selected crops in the ecodistrict, relative to the total area seeded to selected crops in all ecodistricts (Table 3). Hectarage of field crops derived from the 1996 census data of Statistics Canada for each soil landscape complex (a subunit of ecodistrict) was obtained from the Soil Landscapes of Canada Database<sup>19</sup> and summed to obtain hectarage per ecodistrict. To facilitate the organization of the survey for provincial staff, fields allocated to ecodistricts were subsequently allocated to Extension Districts based on proportion of each ecodistrict's area cultivated in each Extension District (Figure 3).

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<sup>18</sup> **Statistics Canada.** 2003. March intentions of Principal Field Crop Areas, Canada 2003. Field Crop Reporting Series No. 2, Vol. 82. Ottawa, Canada.

<sup>19</sup> Information supplied by **Saskatchewan Land Resource Centre**, University of Saskatchewan and **Land Resource Unit** (Semiarid Prairie Agricultural Research Centre), Saskatoon from Soil Landscapes of Canada Database for Manitoba, Saskatchewan and Alberta.

Table 3. Allocation of sites based on ecodistrict area and number of sites actually surveyed in each ecodistrict

Ecoregion and Ecodistrict <sup>20</sup>	Allocated	Surveyed
<b>Boreal Transition including Mid-Boreal Uplands (660, 661, 710, 714)</b>	<b>357</b>	<b>334</b>
Meadow Lake Plain (685)	8	7
Beaver River Plain (680)	3	3
Bronson Upland (710)	2	3
St. Cyr Plain (682)	1	1
Onion Lake Plain (687)	23	15
Turtle River Plain (695)	7	3
Sturgeon River Plain (689)	10	10
Emma Lake Upland (661)	1	1
Witcheakan Plain (690)	9	9
Leoville Hills (660)	1	1
Meeting Lake Upland (699)	2	1
Whitefox Plain (693)	17	17
Nipawin Plain (694)	17	16
Tobin Lake Lowland (691)	4	4
Shellbrook Plain (696)	26	26
Nisbet Plain (701)	8	9
Red Earth Plain (697)	12	12
Prince Albert Plain (702)	26	26
La Corne Plain (698)	7	7
Hudson Bay Plain (704)	12	10
Mistatim Upland (700)	9	9
Melfort Plain (705)	44	44
Tiger Hills Upland (706)	19	17
Barrier River Upland (707)	49	48
Swan River Plain (709)	35	31
Porcupine Hills (714)	5	4
<b>Aspen Parkland</b>	<b>690</b>	<b>656</b>
Lloydminster Plain (729)	63	64
Provost Plain (743)	3	3
Ribstone Plain (739)	1	1
Whitewood Hills (733)	24	21
Maymont Plain (735)	28	20
Lower Battle River Plain (734)	4	4
Hafford Plain (742)	4	3
Waldheim Plain (736)	43	37
Cudworth Plain (741)	25	25
Quill Lake Plain (745)	87	85
Touchwood Hills Upland (748)	87	80
Whitesand Plain (747)	9	9
Yorkton Plain (749)	63	60
St. Lazarre Plain (751)	2	2
Melville Plain (752)	67	64
Indian Head Plain (754)	33	31
Moose Mountain Upland (755)	29	32
Moose Mountain (761)	2	3
Kipling Plain (756)	45	41
Gainsborough Plain (760)	58	57
Moose Mountain Creek Plain (762)	8	9
Oak Lake Plain (763)	5	5

(Table continued on next page)

<sup>20</sup> Indented ecodistricts are combined with preceding ecodistricts in summaries.

Table 3. Allocation of sites based on ecodistrict area and number of sites actually surveyed in each ecodistrict  
(continued)

Ecoregion and Ecodistrict	Allocated	Surveyed
<b>Moist Mixed Grassland</b>	<b>619</b>	<b>586</b>
Tramping Lake Plain (767)	68	66
Neutral Hills (771)	5	6
Senlac Hills (768)	5	5
Goose Lake Plain (770)	41	41
Saskatoon Plain (772)	7	7
Moose Wood Sand Hills (776)	7	6
Elstow Plain (773)	48	35
Minichinas Upland (774)	10	5
Bear Hills (775)	9	9
Biggar Plain (778)	2	2
Rosetown Plain (780)	44	44
Arm River Plain (782)	70	67
Allan Hills (785)	8	8
Strasbourg Plain (783)	46	40
Last Mountain Lake Plain (784)	18	16
Eyebrow Plain (789)	18	18
Regina Plain (792)	105	106
Griffin Plain (794)	64	63
Souris River Plain (796)	8	6
Trossachs Plain (795)	36	36
<b>Mixed Grassland including Cypress Uplands (837, 838)</b>	<b>504</b>	<b>470</b>
Kerrobert Plain (803)	16	17
Bad Hills (807)	7	7
Sibbald Plain (805)	8	7
Oyen Upland (809)	7	7
Eston Plain (808)	62	59
Coteau Hills (810)	10	11
Beechy Hills (813)	15	12
Chaplin Plain (816)	39	38
Hazlet Plain (817)	15	15
Schuler Plain (821)	10	3
Bindloss Plain (815)	2	2
Antelope Creek Plain (820)	17	16
Great Sand Hills (819)	1	1
Maple Creek Plain (827)	3	1
Dirt Hills (822)	19	11
Swift Current Plateau (825)	57	54
Gull Lake Plain (824)	7	7
Wood River Plain (826)	81	81
Coteau Lakes Upland (830)	40	41
Lake Alma Upland (831)	22	22
Wood Mountain Plateau (832)	31	30
Climax Plain (834)	20	20
Wild Horse Plain (833)	5	3
Cypress Hills (838)	5	3
Old Man on His Back Plateau (835)	2	2
Cypress Slope (837)	3	0
<b>Saskatchewan</b>	<b>2170</b>	<b>2046</b>

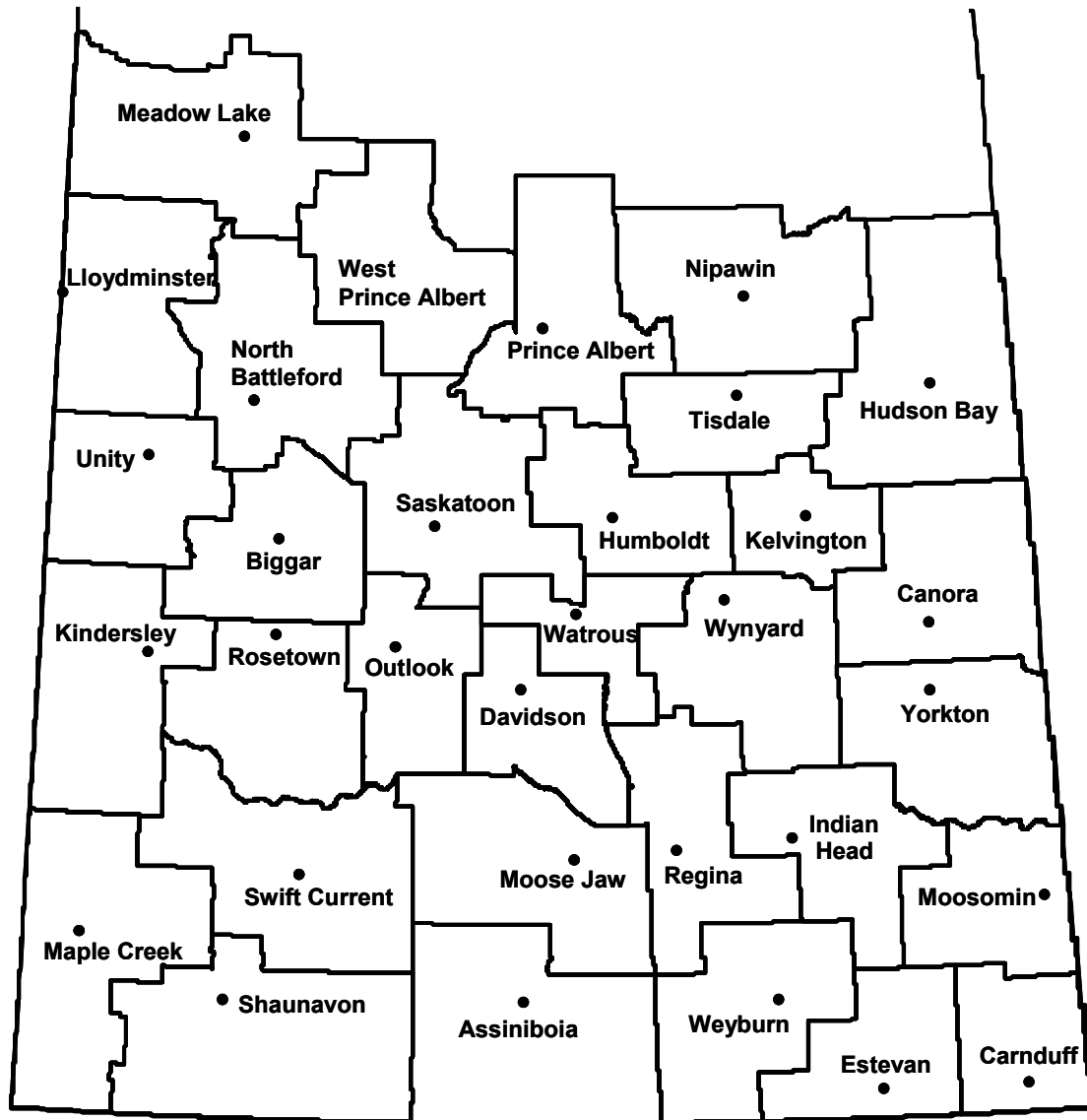


Figure 3. Extension Districts<sup>21</sup> included in the weed survey.

<sup>21</sup> Saskatchewan Agriculture and Food. 1996. Extension Districts and Rural Service Centers Administrative Boundaries.

### Random Site Selection

The random selection of sites used the legal land description grid established by the Dominion Land Survey System<sup>22</sup> in western Canada. A random sample was selected from all quarter sections (65 ha) that had greater than 16 cultivated hectares within each target ecodistrict and extension district. A list that contained four times the allocated number of sites was developed for each ecodistrict.

The Oracle database was designed in the first quarter of 2003 to help with the management of producer information and the producer contact process. The database was housed in Regina, but was accessible by each Rural Service Center. Land owner information for the list of Legal Land Descriptions was acquired from a combination of the Master of Titles office and the Information Services Corporation of Saskatchewan, and then manually entered into a spreadsheet was then transferred to the database. Telephone numbers were added from local telephone directories.

Extension Client Service Representatives (CSR) acted as the primary contact point for producers. Producers were contacted, beginning in the last week in May and continuing through July. Sites were qualified, in the order that they were listed, until the required number of fields had been obtained. A site qualified if the person who farmed the land answered yes to all of the following questions.

1. Will you grant permission for a surveyor to count weeds on the selected quarter section during July or early August?
2. Is there a field in the quarter section seeded to a selected crop?
3. Is the field at least 16 hectares in size?
4. Have you farmed the identified field for a minimum of five years (including 2003)?
5. Is the identified field accessible by road?
6. Do you agree to complete a questionnaire on management practices used on the identified field in the fall?
7. Do you agree to allow a resistant weed survey to be conducted on same quarter in August?

If a field in a quarter section did not qualify, an attempt was made to qualify a field in another quarter of the same section. This step was followed only if the land was farmed by the same person as the preselected quarter section.

For each site, the following information was recorded into a database:

- (a) the name, mailing address, and telephone number of the farm operator for the qualified fields,
- (b) a new quarter section if it had been changed from the preselected site,
- (c) the crop seeded in the selected field and the identity of the underseeded crop if present,
- (d) the number of acres in the selected field.

### Field Survey Personnel and Orientation Sessions

Surveyors were recruited by regional Soils and Crops Specialists and several Extension agrologists. The majority of the fields were surveyed by independent contractors (68%). 20% of the fields were surveyed by the Wheatland Conservation Area staff, 9% of the fields were surveyed by the Conservation Learning Centre staff and 1% of fields were surveyed by the University of Saskatchewan as represented by the Crop Development Centre. Agriculture and Agri-Food Canada employees surveyed the remaining 2% of the fields. A total of 34 people contributed to the weed counts.

Orientation sessions were held in Melfort, Saskatoon, North Battleford, Rosetown, Swift Current and Yorkton between June 24 and July 2 prior to the start of the field survey. Approximately 90% of the weed surveyors attended the session. The purpose of the session was to explain reasons for conducting a weed survey, how to implement the protocol, how to handle unknown weeds, how to record the weed data on the field sheets and how to interpret work lists created from qualified co-operators in the database. Half of the time in each session was devoted to weed identification. A list of the species found in the 1995 Saskatchewan survey was reviewed using illustrations from various weed identification guides. Potential identification problems with specific groups of species were highlighted during the session. Potted specimens of annual sow-thistle, spiny annual sow-thistle, perennial sow-

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<sup>22</sup> **McKercher, R. B. and B. Wolfe.** 1986. Understanding Western Canada's Dominion Land Survey System. Division of Extension and Community Relations, University of Saskatchewan, Saskatoon, SK.

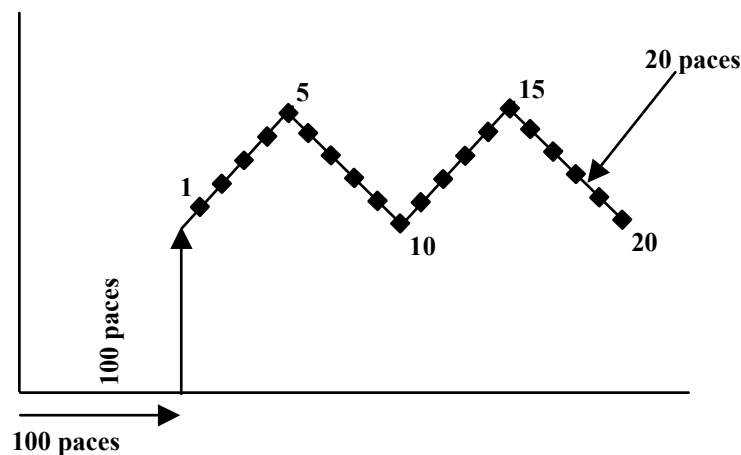
thistle, prickly lettuce and Canada thistle at various stages of maturity were used to illustrate the differences among these species. Also, time was spent during each session identifying weeds at pre-selected weedy locations. Each surveyor was provided with a booklet summarizing the material presented at the training session. This booklet was made available to those who could not attend.

### Timing of Weed Counts

Weeds that had not been controlled in the fields were counted in the summer survey. This time was chosen for several reasons. The weeds in the field were, in part, a result of agronomic management decisions (e.g., crop rotation, time and type of tillage, rate and placement of fertilizer, and selection, rate and effectiveness of herbicide used) made by the farm operator at various times during the crop year. The impact of these agronomic practices on the weed flora was reflected in a summer survey. Counts at this time of the year showed the size and extent of troublesome weed populations. This survey time had additional advantages. Identification was simplified because many of the weeds were mature. In particular, wild oats and other grassy weeds had flowered or produced fruit and were easily recognized. Also, the field crew had more time to work on the survey during the summer than during the period immediately after crop seeding. All weed counts were completed between June 25 and August 27.

### Weed Counts in Fields

Once a surveyor arrived at a qualified field, the weeds were enumerated using a set pattern. The surveyor walked 100 paces along the edge of the field, turned at right angles, and walked 100 paces into the field. The inverted W-pattern began at this point (Figure 4). Five locations were sampled along each arm of the pattern, giving a total of 20 locations. Locations were 20 paces apart. The number of individuals of each weed species was determined in a 0.25 m<sup>2</sup> quadrat (50 cm by 50 cm) at each of the 20 locations. The procedure was modified when necessary to compensate for sloughs, odd-shaped fields and other irregularities.



**Figure 4.** W-pattern used for field counts.

For perennial grass species such as quack grass and perennial herbaceous species such as Canada thistle, the number of shoots rather than the number of plants was counted. For annual grasses, such as wild oats, and clumped perennials, such as foxtail barley, a rooted individual was counted as a single plant whatever the number of tillers. Volunteer crop plants were counted as weeds. The underseeded species in a field was not counted.

Any plant found in the field that could not be identified, or that the surveyor was unsure of, was tagged, pressed, and submitted for identification. Infrequently occurring species were identified in this way. Two different broad-leaved species that could not be identified from the collected specimens are listed as 'unknown broad-leaved species' in the weed summaries. The common and botanical names of 124 weeds identified in 2003 are listed in Table 4.

Table 4. Common and scientific names<sup>23</sup> of plants that appear in this report

Common Name	Scientific Name
Absinth	<i>Artemisia absinthium</i> L.
Alfalfa	<i>Medicago sativa</i> L.
American dragonhead	<i>Dracocephalum parviflorum</i> Nutt.
American vetch	<i>Vicia americana</i> Muhl. ex Willd. var. <i>americana</i>
Annual sow-thistle	<i>Sonchus oleraceus</i> L.
Aspen poplar	<i>Populus tremuloides</i> Michx.
Ball mustard	<i>Neslia paniculata</i> (L.) Desv.
Barley	<i>Hordeum vulgare</i> L.
Barnyard grass	<i>Echinochloa crusgalli</i> (L.) P. Beauv.
Bicknell's geranium	<i>Geranium bicknellii</i> Britton
Biennial wormwood	<i>Artemisia biennis</i> Willd.
Black medick	<i>Medicago lupulina</i> L.
Black mustard	<i>Brassica nigra</i> (L.) W.D.J. Koch
Bluebur	<i>Lappula squarrosa</i> (Retz.) Dumort.
Borage	<i>Borago officinalis</i> L.
Broad-leaved plantain	<i>Plantago major</i> L.
Canada fleabane	<i>Conyza canadensis</i> (L.) Cronquist
Canada thistle	<i>Cirsium arvense</i> (L.) Scop.
Canary grass	<i>Phalaris canariensis</i> L.
Canola (Argentine)	<i>Brassica napus</i> L.
Canola (Polish)	<i>Brassica rapa</i> L.
Caraway	<i>Carum carvi</i> L.
Chickpeas	<i>Cicer arietinum</i> L.
Chickweed	<i>Stellaria media</i> (L.) Vill.
Cleavers	<i>Galium aparine</i> L.
Cocklebur	<i>Xanthium strumarium</i> L.
Common groundsel	<i>Senecio vulgaris</i> L.
Common pepper-grass	<i>Lepidium densiflorum</i> Schrad.
Coriander	<i>Coriandrum sativum</i> L.
Corn spurry	<i>Spergula arvensis</i> L.
Cow cockle	<i>Vaccaria hispanica</i> (Mill.) Rauschert
Cream-colored vetchling	<i>Lathyrus ochroleucus</i> Hook.
Curled dock	<i>Rumex crispus</i> L.
Dandelion	<i>Taraxacum officinale</i> G. H. Weber ex Wiggers
Dog mustard	<i>Erucastrum gallicum</i> (Willd.) O.E. Schultz
Downy brome	<i>Bromus tectorum</i> L.
Fall rye	<i>Secale cereale</i> L.
False ragweed	<i>Iva xanthifolia</i> Nutt.
Field bindweed	<i>Convolvulus arvensis</i> L.
Field horsetail	<i>Equisetum arvense</i> L.
Field mint	<i>Mentha arvensis</i> L.
Field peas	<i>Pisum arvense</i> L.
Field violet	<i>Viola arvensis</i> Murr.
Flax	<i>Linum usitatissimum</i> L.
Flixweed	<i>Descurainia sophia</i> (L.) Webb ex Prantl

(Table continued on next page)

<sup>23</sup> Darbyshire, S. J., M. Favreau and M. Murray. 2000. Common and Scientific Names of Weeds in Canada. Publication 1397/B, Agriculture and Agri-Food Canada, Ottawa, ON. 132 pp.



Table 4. Common and scientific names of plants that appear in this report (*continued*)

Common Name	Scientific Name
Fowl-meadow grass	<i>Poa palustris</i> L.
Foxtail barley	<i>Hordeum jubatum</i> L.
Goat's-beard	<i>Tragopogon dubius</i> Scop.
Green foxtail	<i>Setaria viridis</i> (L.) P. Beauv.
Green tansy mustard	<i>Descurainia pinnata</i> (Walter) Britton subsp. <i>brachycarpa</i> (Richardson) Detling
Hemp-nettle	<i>Galeopsis tetrahit</i> L.
Indian mustard	<i>Brassica juncea</i> (L.) Czern.
Kochia	<i>Kochia scoparia</i> (L.) Schrad.
Lamb's-quarters	<i>Chenopodium album</i> L.
Lentils	<i>Lens culinaris</i> Medic.
Low cudweed	<i>Gnaphalium uliginosum</i> L.
Maple-leaved goosefoot	<i>Chenopodium simplex</i> (Torr.) Raf.
Milk-vetch species	<i>Astragalus</i> spp.
Narrow-leaved hawk's-beard	<i>Crepis tectorum</i> L.
Night-flowering catchfly	<i>Silene noctiflora</i> L.
Nodding thistle	<i>Carduus nutans</i> L. subsp. <i>nutans</i>
Oats	<i>Avena sativa</i> L.
Pale smartweed	<i>Polygonum lapathifolium</i> L.
Pasture sage	<i>Artemisia frigida</i> Willd.
Perennial sow-thistle	<i>Sonchus arvensis</i> L.
Persian darnel	<i>Lolium persicum</i> Boiss. & Hohen. ex Boiss.
Pineappleweed	<i>Matricaria discoidea</i> D.C.
Povertyweed	<i>Iva axillaris</i> Pursh
Prairie coneflower	<i>Ratibida columnifera</i> (Nutt.) Wooton & Standl.
Prickly lettuce	<i>Lactuca serriola</i> L.
Prostrate knotweed	<i>Polygonum aviculare</i> L.
Prostrate pigweed	<i>Amaranthus blitoides</i> S. Watson
Purslane speedwell	<i>Veronica peregrina</i> L.
Pygmyflower	<i>Androsace septentrionalis</i> L.
Quack grass	<i>Elytrigia repens</i> (L.) Desv. ex B. D. Jacks
Rayless aster	<i>Brachyactis ciliata</i> (Ledeb.) Ledeb. subsp. <i>angusta</i> (Lindl.) A.G. Jones
Red clover	<i>Trifolium pratense</i> L.
Redroot pigweed	<i>Amaranthus retroflexus</i> L.
Rose species	<i>Rosa</i> spp.
Rough cinquefoil	<i>Potentilla norvegica</i> L.
Round-leaved mallow	<i>Malva pusilla</i> Sm.
Russian pigweed	<i>Axyris amaranthoides</i> L.
Russian thistle	<i>Salsola kali</i> L. subsp. <i>ruthenica</i> (Iljin) Soó
Scentless chamomile	<i>Matricaria perforata</i> Merat
Scouring-rush	<i>Equisetum hyemale</i> L.
Shepherd's-purse	<i>Capsella bursa-pastoris</i> (L.) Medik.
Silverweed	<i>Potentilla anserina</i> L.
Skeletonweed	<i>Lygodesmia juncea</i> (Pursh) D. Don ex Hook.
Slough grass	<i>Beckmannia syzigachne</i> (Steud.) Fernald
Small-leaved lamb's-quarters	<i>Chenopodium desiccatum</i> A. Nelson
Smooth brome	<i>Bromus inermis</i> Leyss.
Spear-leaved goosefoot	<i>Monolepis nuttalliana</i> (Schult.) Greene
Spiny annual sow-thistle	<i>Sonchus asper</i> (L.) Hill
Spreading dogbane	<i>Apocynum androsaemifolium</i> L.

*(Table continued on next page)*

Table 4. Common and scientific names of plants that appear in this report (*continued*)

Common Name	Scientific Name
Spring wheat/durum	<i>Triticum aestivum</i> L. & <i>T. durum</i> Desf.
Stinkweed	<i>Thlaspi arvense</i> L.
Stork's-bill	<i>Erodium cicutarium</i> (L.) L'Her.ex Aiton
Striate knotweed	<i>Polygonum achoreum</i> S.F. Blake
Sunflower	<i>Helianthus annuus</i> L.
Tall hedge mustard	<i>Sisymbrium loeselii</i> L.
Tansy	<i>Tanacetum vulgare</i> L.
Tartary buckwheat	<i>Fagopyrum tataricum</i> (L.) Gaertn.
Thyme-leaved spurge	<i>Euphorbia serpyllifolia</i> Pers.
Toad rush	<i>Juncus bufonius</i> L.
Tumble mustard	<i>Sisymbrium altissimum</i> L.
Tumble pigweed	<i>Amaranthus albus</i> L.
Vetch species	<i>Vicia</i> spp.
Water smartweed	<i>Polygonum amphibium</i> L. subsp. <i>laevimarginatum</i> Hultén
White clover	<i>Trifolium repens</i> L.
White cockle	<i>Silene pratensis</i> (Raf.) Godr. & Gren.
White mustard	<i>Sinapis alba</i> L.
White sweet-clover	<i>Melilotus albus</i> Medik.
Wild buckwheat	<i>Polygonum convolvulus</i> L.
Wild mustard	<i>Sinapis arvensis</i> L.
Wild oats	<i>Avena fatua</i> L.
Wild tomato	<i>Solanum triflorum</i> Nutt.
Witch grass	<i>Panicum capillare</i> L.
Wood whitlow-grass	<i>Draba nemorosa</i> L.
Wood-sorrel species	<i>Oxalis</i> spp.
Wormseed mustard	<i>Erysimum cheiranthoides</i> L.
Yellow foxtail	<i>Setaria pumila</i> (Poir.) Roem. & Schult.
Yellow sweet-clover	<i>Melilotus officinalis</i> (L.) Pall.
Yellow toadflax	<i>Linaria vulgaris</i> Mill.

#### Data analysis

Weed count data on field sheets were numerically coded, entered into computer files, and verified. Data were processed in Microsoft® Excel and summary tables were produced following the standard format used in previous Weed Survey Series Reports.

Weed data were summarized in tables using ecological, agronomic, and jurisdictional variables including ecoregion (Figure 1), ecodistrict (Figure 2), crop, Extension District (Figure 3) and Extension Region (Figure 5). A minimum of ten sites was set to allow meaningful summarization. Where these minima were not reached for a crop, a summary table was not provided, but data were retained in other appropriate summaries. For example, a separate summary table for chickpea was not provided, however, the fields were included in the appropriate overall summaries for areas and pulse summaries. Geographic areas (ecoregions and ecodistricts) with fewer fields than required were combined with adjacent areas.

The geographic distribution of 37 frequently occurring species is presented in maps based on ecodistricts. Relative abundance is used as the mapping variable. Distribution maps were produced with ArcView GIS 3.2 from Environmental Systems Research Institute, Inc..

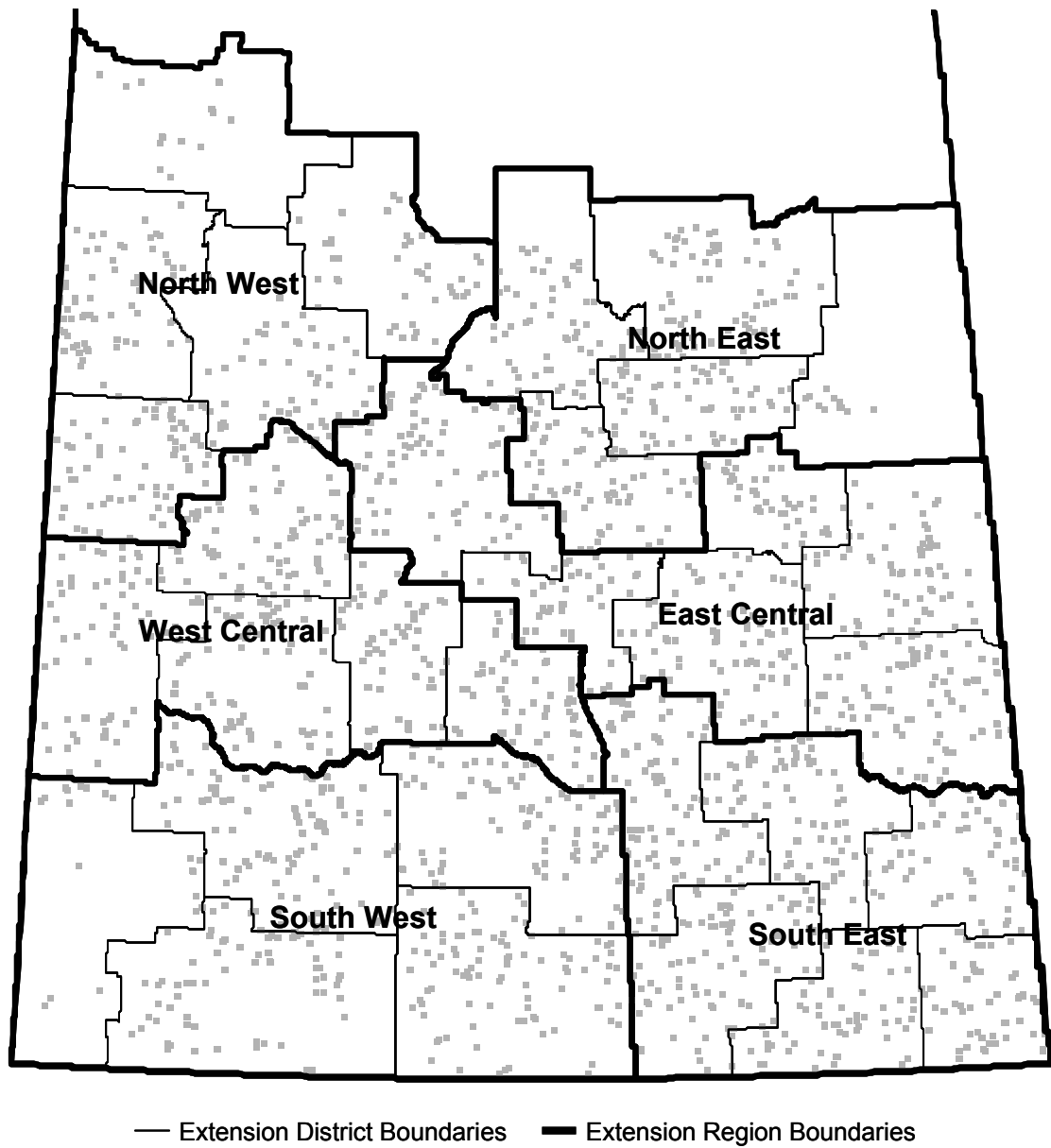


Figure 5. Surveyed area in Extension Regions<sup>24</sup>. Squares indicate locations of surveyed fields.

<sup>24</sup> Saskatchewan Agriculture and Food. 1996. Extension Districts and Rural Service Centers Administrative Boundaries.

Data were summarized using seven quantitative variables. Details for the calculation of these variables are described elsewhere<sup>25</sup>.

**Frequency.** The number of fields in which a particular species occurred, expressed as a percentage of the total number of fields surveyed in groups such as crops, ecoregions, or ecodistricts, and in the province.

**Field uniformity (all fields).** The number of quadrats in which a particular species occurred, expressed as a percentage of all the quadrats surveyed in groups such as crops, ecoregions, or ecodistricts, and in the province (20 per field multiplied by the number of fields).

**Field uniformity (occurrence fields).** The number of quadrats in which a particular species occurred, expressed as a percentage of the number of quadrats in groups such as crops, ecoregions, or ecodistricts, and in the province for the occurrence fields only (20 per field multiplied by the number of fields in which the species occurred).

**Field density (all fields).** A measure of the number of plants of a species counted in a square metre. The density values for each species in a single field are averaged over all fields surveyed in groups such as crops, ecoregions, or ecodistrict, and in the province.

**Field density (occurrence fields).** A measure of the number of plants of each species counted in a square metre. The density values for each species in a single field are averaged over only the fields in which the weed occurred in groups such as crops, ecoregions, or ecodistrict, and in the province.

**High density.** The highest field density values recorded for a species in groups such as in groups such as crops, ecoregions, or ecodistricts, and in the province.

**Relative abundance.** A combination of the frequency, field uniformity (all fields) and field density (all fields) values for each species.

**Relative frequency** for a species (RF) is the frequency value for a species divided by the sum of frequency values for all species, expressed as a percentage.

**Relative field uniformity (all fields)** for a species (RU) is the field uniformity value for a species divided by the sum of field uniformity values for all species, expressed as a percentage.

**Relative field density (all fields)** for a species (RD) is the field density value for a species divided by the sum of field density values for all species, expressed as a percentage.

**Relative abundance** for a species = RF + RU + RD. The total of the relative abundance values for all species equals 300. This measure was used to rank the species in the field survey summary tables. This calculation assumed that the frequency, field uniformity and field density measures were equally important in estimating the abundance of a species. Relative abundance has no units attached to it, but the value for one species can be compared with the value of another species. For example, if green foxtail has a value of 36 and wild buckwheat 18, then green foxtail is twice as abundant as wild buckwheat. Relative abundance does not necessarily relate to the competitive ability of the species. A species may have a high relative abundance value but not be very competitive.

#### Guide to the Use of the Field Survey Summary Tables

For the purposes of illustration, the meaning of the variables is explained for the species green foxtail in the provincial summary table (Table 5). A **frequency** of 43.5% means that green foxtail occurred at least once in 890 of the 2046 fields surveyed. This variable estimates the geographic extent of the weed.

Field uniformity shows the proportion of quadrats (20 per field) in which the species occurred. In the example, the value for **all field uniformity** means that green foxtail occurred in 17.9% of the quadrats surveyed. This variable

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<sup>25</sup> **Thomas, A. G.** 1985. Weed survey system used in Saskatchewan for cereal and oilseed crops. *Weed Science* 33: 34-43.

can be used as an estimate of the area occupied by a weed. The **occurrence field uniformity** value means that green foxtail was present in 41.2% of the quadrats when considering only the 890 occurrence fields.

Three density variables are included in the tables. Green foxtail had an **occurrence field density** of 24.4 plants per square metre and an **all field density** of 10.6 plants per metre square. The density for fields in which the species occurred is always equal to or higher than the density for all the fields in the summary. The **maximum density** shows that at least one field had a density of 568.4 green foxtail plants per square metre.

The final column shows the abundance of each species surveyed relative to each other. Values in this column add up to 300. **Relative abundance** is derived from the values of the frequency, field uniformity (all fields) and density (all fields) variables. The relative abundance variable is used for ranking species such as green foxtail and wild oats. Because the all field density and all field uniformity value of green foxtail is larger than that for wild oats, green foxtail is ranked higher, even though wild oats has a higher frequency. The relative abundance value of 67.4 for green foxtail is higher than the value of 41.9 for wild oats.

### Limitations, Constraints and Biases

The survey protocol has been designed to reduce bias in sampling, and to obtain objective information on the weed flora that remains after control practices have been used by the producer. In the development of the protocol, several constraints were placed on the eligibility of areas and fields for inclusion in the survey. The survey covers the main area of agriculture in the province. Only the major agricultural crops were considered. Other crops may have different weed floras. Fields were limited to those with an area greater than 16 ha. Fields were only surveyed if producers had used the field for a minimum of five years, if they were accessible by road, and if the producers were willing to cooperate. These constraints will have altered the spectrum of fields slightly from a completely random sample.

For a variety of reasons, some sites on the final list are different from those on the stratified random list developed initially. Sometimes site qualification was difficult because land owners could not be identified or contacted. In these instances, provincial staff may not have used the selected sites in the order given them, but may have selected producers in the area that they knew to be cooperative. This will have biased qualification of sites. When surveyors went to the field, they were given a list of preselected and qualified sites. Sometimes mistakes were made, and the legal description given was not in an appropriate crop, sufficiently accessible, or in another way not a legitimate site. In this instance, the surveyor made an alternative selection, usually in the immediate vicinity. Sometimes the alternate selections were in different ecodistricts. In three cases, the field was planted to mixtures of the selected crops. These fields were included in overall summaries, but a separate summary was not made for mixed crops.

The distribution of the fields amongst the surveyed crops differs from expected based on original estimates (Table 2). When compared to 2003 March seeding intentions<sup>26</sup>, the survey included a higher proportion of oilseed, canary seed and barley fields and lower number of pulse, oat, spring wheat and durum fields than expected.

Only a small portion of each field was surveyed. This portion intentionally did not include sloughs, field edges, shelterbelts, etc. It also did not extend into the less accessible areas of the field. This may limit the representation of some species, such as foxtail barley, that are found more commonly near saline sloughs, or brome grass that is often found near field margins. The small area in the field was sufficient to illustrate the distribution of major species and minor species that might be important to agriculture. This level of sampling is not sufficient to give an exhaustive list of the flora, or to illustrate the distribution of rare species.

The identification of some weed species is difficult in the field. Surveyors were trained, and asked to send in unknowns for identification. However, mistakes may have been made. In some cases, the common names of species differ in different areas. For instance, this might have caused some confusion between lamb's-quarters and redroot pigweed. Despite efforts during training sessions, the distinction between spiny annual sow-thistle, annual sow-thistle and perennial sow-thistle may have been difficult for some surveyors as the annual sow-thistles are often

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<sup>26</sup> **Statistics Canada.** 2003. March intentions of Principal Field Crop Areas, Canada 2003. Field Crop Reporting Series No. 2, Vol. 82. Ottawa, Canada.

not distinguished from each other. Generally, the identification and counts by the field surveyors were used without alteration. No attempt was made to distinguish between thyme-leaved spurge and ridge-seed spurge, both known to occur within Saskatchewan, as differentiation between these species requires microscopic features on mature plants. Both of these species were grouped under thyme-leaved spurge.

The weed survey recorded the numbers of individuals of each species. It does not show the vigour, the biomass or the competitive ability of the plants found in the field. The survey shows what was there, not its effect on the crop. In the survey analysis, all species are considered separately. The complex interrelationships among species have not been considered. This will be the subject of later analyses. Relationships between species and farm management practices will be considered in a further publication in this series. The relationships between species and field variables (for instance, distribution patterns in the field) are not considered.

The results in this report provide a 'snapshot' of the size and extent of weed populations in agricultural ecoregions of Saskatchewan in 2003. It might be argued that 2003 is not indicative of a typical year throughout Saskatchewan as the majority of the province had low precipitation in comparison with historic levels (Figure 6). The eastern part of the province of the province experienced very low precipitation while a few areas had higher than average precipitation. Differences in precipitation and temperature may favour some weeds over others, or may result in higher or lower weed numbers in some areas than usual for the period as a whole. Consequently, only dramatic or consistent trends in the weed data are considered as important. Minor fluctuations may result from simple year-to-year variation.

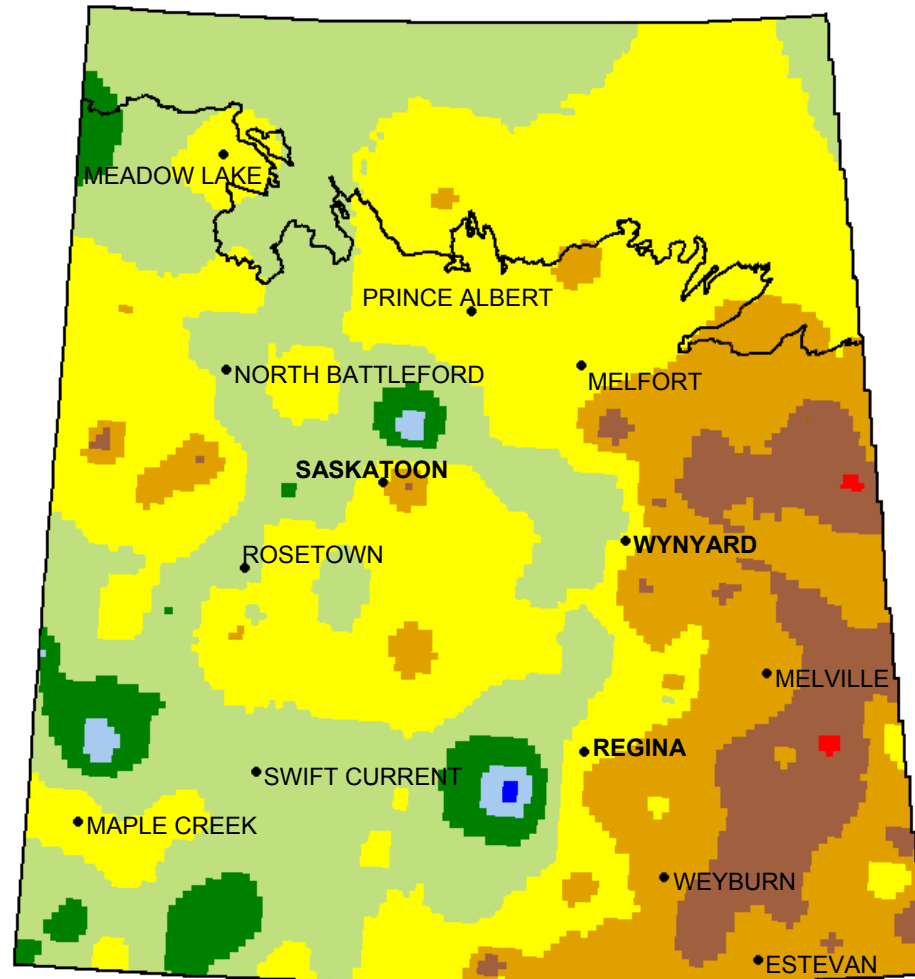
# Current Precipitation Compared to Historical Distribution

September 1, 2002 to August 31, 2003 (A.M.)

## Southern Saskatchewan

### Percentile Classes

- Record Dry
- Extremely Low (0-10)
- Very Low (10-20)
- Low (20-40)
- Mid-Range (40-60)
- High (60-80)
- Very High (80-90)
- Extremely High (90-100)
- Record Wet
- Extent of Agricultural Land



**Figure 6.** 2003 precipitation compared to historical distribution. A percentile is a value on a scale of one hundred that indicates the percent of a distribution that is equal to or below it. For example, extremely low precipitation (0 to 10th percentile) indicates the precipitation accumulation in 2003 equals the lowest or is equal to or less than the lowest 10% of the values in the historical record. The precipitation for 2003 matches the lowest precipitation conditions or the lowest that occur on average 10 times in every 100 years.

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Table 5. Provincial summary (2046 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	43.5	17.9	41.2	10.6	24.4	568.4	67.4
2	Wild oats	50.9	16.7	32.8	3.7	7.4	352.2	41.9
3	Wild buckwheat	50.8	13.0	25.6	1.4	2.7	94.4	29.4
4	Canada thistle	34.8	6.9	19.9	0.7	2.1	32.6	17.5
5	Lamb's-quarters	22.0	5.2	23.7	1.3	5.9	564.4	15.0
6	Redroot pigweed	17.3	3.4	19.8	1.1	6.6	758.4	11.6
7	Stinkweed	18.0	3.7	20.7	1.0	5.5	198.0	11.5
8	Kochia	16.9	3.7	21.8	0.7	4.2	181.4	10.1
9	Spring wheat/durum	10.7	3.2	29.6	0.8	7.7	280.8	8.6
10	Russian thistle	11.8	2.8	23.9	0.5	4.5	113.4	7.5
11	Barnyard grass	8.7	1.7	19.6	0.4	5.1	227.8	5.3
12	Dandelion	12.5	1.9	15.3	0.1	1.2	26.8	5.3
13	Field horsetail	7.9	1.7	21.5	0.3	3.6	93.0	4.5
14	Cleavers	9.3	1.7	18.4	0.2	2.1	50.2	4.5
15	Wild mustard	8.2	1.6	19.3	0.3	3.2	96.0	4.4
16	Canola (Argentine)	6.7	1.5	22.0	0.4	5.4	92.8	4.3
17	Perennial sow-thistle	9.6	1.2	12.8	0.1	1.3	26.8	3.9
18	Shepherd's-purse	6.7	1.2	17.6	0.2	2.4	27.6	3.3
19	Flax	3.5	1.3	37.0	0.3	9.4	161.6	3.3
20	Narrow-leaved hawk's-beard	5.6	0.9	16.8	0.1	1.8	17.0	2.5
21	Flixweed	4.9	0.6	13.1	0.2	3.7	141.0	2.4
22	Quack grass	3.6	0.8	22.6	0.2	5.3	84.8	2.3
23	Pale smartweed	5.6	0.7	13.1	0.1	1.4	31.0	2.3
24	Hemp-nettle	4.6	0.8	16.6	0.1	2.6	44.4	2.3
25	Foxtail barley	4.5	0.5	10.1	0.1	1.7	96.0	1.8
26	Cow cockle	3.2	0.7	23.0	0.1	2.8	30.4	1.8
27	Chickweed	2.8	0.7	24.1	0.1	4.1	19.8	1.7
28	Bluebur	3.8	0.6	14.9	0.1	2.2	43.8	1.7
29	Barley	3.5	0.6	17.7	0.1	1.6	9.0	1.6
30	Persian darnel	2.0	0.4	22.1	0.2	8.2	142.6	1.5
31	Round-leaved mallow	3.2	0.5	14.6	0.1	1.9	28.4	1.4
32	Night-flowering catchfly	2.4	0.5	19.4	0.1	2.3	13.4	1.2
33	Thyme-leaved spurge	2.2	0.3	15.3	< 0.1	2.1	38.4	1.0
34	Spiny annual sow-thistle	2.3	0.4	15.1	< 0.1	1.5	13.6	1.0
35	Biennial wormwood	2.3	0.2	10.1	< 0.1	0.8	5.6	0.8
36	Prickly lettuce	2.0	0.2	8.6	< 0.1	0.6	3.2	0.7
37	Alfalfa	1.2	0.2	20.2	< 0.1	3.1	44.2	0.6
38	Annual sow-thistle	1.7	0.2	10.7	< 0.1	0.8	3.4	0.6
39	Oats	0.4	0.2	41.3	0.1	22.8	104.4	0.6
40	Black medick	1.2	0.2	16.5	< 0.1	2.2	7.8	0.6
41	Lentils	0.8	0.3	37.2	< 0.1	3.0	11.6	0.5
42	White mustard	0.4	0.2	52.5	0.1	15.0	49.8	0.5
43	Prostrate knotweed	1.4	0.1	10.9	< 0.1	0.8	3.6	0.5
44	Field peas	0.9	0.2	24.4	< 0.1	1.9	7.6	0.5
45	Common pepper-grass	1.1	0.1	11.5	< 0.1	1.8	19.8	0.5
46	American dragonhead	1.1	0.1	11.7	< 0.1	0.9	7.2	0.4
47	Tumble pigweed	0.5	0.1	21.4	< 0.1	7.9	43.8	0.4
48	Yellow sweet-clover	0.7	0.2	22.5	< 0.1	2.9	16.2	0.4
49	Rose species	1.0	0.1	9.0	< 0.1	1.4	9.0	0.4
50	American vetch	0.9	0.1	8.7	< 0.1	0.7	2.6	0.3
51	Wild tomato	0.8	0.1	11.9	< 0.1	1.4	8.8	0.3
52	Common groundsel	0.8	0.1	11.8	< 0.1	0.8	2.0	0.3

(Table continued on next page)

Table 5. Provincial summary (2046 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Canada fleabane	0.7	0.1	14.3	< 0.1	0.8	2.8	0.3
54	Tumble mustard	0.5	0.1	14.1	< 0.1	1.0	6.6	0.2
55	Prostrate pigweed	0.6	0.1	8.8	< 0.1	0.5	1.6	0.2
56	Red clover	0.5	0.1	14.5	< 0.1	0.7	1.4	0.2
57	Canary grass	0.3	0.1	25.7	< 0.1	3.2	11.0	0.2
58	Pineappleweed	0.5	0.1	12.7	< 0.1	0.7	1.4	0.2
59	Stork's-bill	0.4	0.1	16.3	< 0.1	1.9	6.8	0.2
60	Field bindweed	0.3	0.1	21.7	< 0.1	4.5	20.8	0.2
61	Broad-leaved plantain	0.6	< 0.1	5.4	< 0.1	0.4	1.8	0.2
62	Purslane speedwell	0.5	< 0.1	7.3	< 0.1	0.5	1.4	0.2
63	Dog mustard	0.3	0.1	18.6	< 0.1	2.3	8.0	0.2
64	Curled dock	0.4	< 0.1	11.1	< 0.1	0.9	2.2	0.2
65	White cockle	0.4	< 0.1	10.6	< 0.1	0.8	3.6	0.2
66	Wormseed mustard	0.3	< 0.1	14.3	< 0.1	2.6	8.2	0.2
67	Corn spurry	0.3	0.1	17.5	< 0.1	2.7	14.6	0.1
68	Scouring-rush	0.3	< 0.1	13.6	< 0.1	1.7	4.0	0.1
69	Goat's-beard	0.4	< 0.1	8.3	< 0.1	0.4	0.8	0.1
70	Borage	0.1	0.1	72.5	< 0.1	13.2	21.4	0.1
71	Yellow toadflax	0.4	< 0.1	7.5	< 0.1	0.7	2.2	0.1
72	Scentless chamomile	0.2	< 0.1	19.0	< 0.1	1.3	2.6	0.1
73	White clover	0.2	< 0.1	9.0	< 0.1	2.4	6.6	0.1
74	Smooth brome	0.2	< 0.1	16.3	< 0.1	2.2	3.6	0.1
75	Povertyweed	0.1	< 0.1	40.0	< 0.1	7.0	13.2	0.1
76	Downy brome	0.1	< 0.1	23.3	< 0.1	3.2	4.8	0.1
77	Maple-leaved goosefoot	0.2	< 0.1	7.0	< 0.1	0.4	0.6	0.1
78	Rough cinquefoil	0.2	< 0.1	6.0	< 0.1	0.5	1.6	0.1
79	Absinth	0.1	< 0.1	20.0	< 0.1	2.3	6.4	0.1
80	Bicknell's geranium	0.2	< 0.1	12.5	< 0.1	0.8	1.0	0.1
81	Coriander	< 0.1	< 0.1	85.0	< 0.1	11.8	11.8	0.1
82	Striate knotweed	0.2	< 0.1	8.8	< 0.1	0.6	1.0	0.1
83	Spear-leaved goosefoot	0.2	< 0.1	7.5	< 0.1	0.5	0.8	0.1
84	Low cudweed	0.2	< 0.1	7.5	< 0.1	0.3	0.4	0.1
85	Sunflower	0.2	< 0.1	6.3	< 0.1	0.3	0.4	0.1
86	Cocklebur	0.1	< 0.1	27.5	< 0.1	2.4	4.4	0.1
87	Wood-sorrel species	< 0.1	< 0.1	15.0	< 0.1	19.4	19.4	0.1
88	Chickpeas	0.1	< 0.1	25.0	< 0.1	1.9	2.2	0.1
89	Pygmyflower	0.1	< 0.1	20.0	< 0.1	1.8	3.0	< 0.1
90	Ball mustard	0.1	< 0.1	6.7	< 0.1	0.3	0.4	< 0.1
91	Canola (Polish)	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
92	Tartary buckwheat	0.1	< 0.1	15.0	< 0.1	1.1	1.4	< 0.1
93	Yellow foxtail	< 0.1	< 0.1	30.0	< 0.1	7.8	7.8	< 0.1
94	Nodding thistle	< 0.1	< 0.1	35.0	< 0.1	2.2	2.2	< 0.1
95	Cream-colored vetchling	0.1	< 0.1	5.0	< 0.1	0.4	0.6	< 0.1
96	Field violet	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
97	Tansy	0.1	< 0.1	5.0	< 0.1	0.3	0.4	< 0.1
98	Russian pigweed	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
99	Fowl-meadow grass	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
100	Fall rye	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
101	Indian mustard	< 0.1	< 0.1	20.0	< 0.1	1.4	1.4	< 0.1
102	False ragweed	< 0.1	< 0.1	15.0	< 0.1	0.6	0.6	< 0.1
103	Skeletonweed	< 0.1	< 0.1	10.0	< 0.1	1.8	1.8	< 0.1
104	Witch grass	< 0.1	< 0.1	10.0	< 0.1	1.4	1.4	< 0.1

(Table continued on next page)

Table 5. Provincial summary (2046 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
105	Green tansy mustard	< 0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
106	Aspen poplar	< 0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
107	Unknown broad-leaved species	< 0.1	< 0.1	5.0	< 0.1	1.0	1.0	< 0.1
108	Milk-vetch species	< 0.1	< 0.1	5.0	< 0.1	1.0	1.0	< 0.1
109	Toad rush	< 0.1	< 0.1	5.0	< 0.1	0.8	0.8	< 0.1
110	Unknown broad-leaved species	< 0.1	< 0.1	5.0	< 0.1	0.6	0.6	< 0.1
111	Spreading dogbane	< 0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
112	Silverweed	< 0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
113	Caraway	< 0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
114	Rayless aster	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
115	Prairie coneflower	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
116	Slough grass	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
117	Small-leaved lamb's-quarters	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
118	Field mint	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
119	Black mustard	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
120	Tall hedge mustard	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
121	Pasture sage	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
122	Water smartweed	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
123	Wood whitlow-grass	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
124	White sweet-clover	< 0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1



Table 6. Number of fields surveyed, density, species richness and weed-free quadrats in the surveyed crops

Crop	Number of Fields Surveyed	Density (number/m <sup>2</sup> )	Species (number/field)	Weed-free Quadrats (%)
Cereal	1375	27.3	4	41.8
Spring wheat	581	25.2	4	43.5
Barley	355	30.8	5	38.1
Durum	274	19.5	3	50.8
Oats	119	49.1	6	23.3
Canary seed	46	16.9	4	43.4
Oilseed	482	24.9	5	37.7
Canola	344	25.9	5	39.6
Flax	93	25.5	5	31.7
Mustard	45	16.5	5	36.2
Pulse	186	23.7	5	37.0
Peas	104	23.9	5	29.4
Lentil	73	25.6	4	45.3
Chickpea	9	7.0	4	58.9
Mixed crop	3	33.5	7	6.7
All crops	2046	26.4	4	40.4

Table 7. All cereal fields (1375 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	45.9	19.7	42.8	12.6	27.6	568.4	77.3
2	Wild oats	51.3	16.0	31.1	3.4	6.5	352.2	40.9
3	Wild buckwheat	47.2	12.3	26.0	1.4	2.9	94.4	28.9
4	Canada thistle	34.0	7.1	21.0	0.8	2.3	32.6	18.3
5	Lamb's-quarters	16.7	4.1	24.5	1.2	7.1	564.4	12.5
6	Redroot pigweed	17.3	3.4	19.7	0.8	4.8	179.2	10.7
7	Kochia	16.7	3.6	21.7	0.8	4.8	181.4	10.7
8	Stinkweed	15.2	2.9	19.4	0.8	5.4	198.0	9.7
9	Russian thistle	11.3	2.6	23.0	0.6	5.2	113.4	7.5
10	Barnyard grass	8.9	1.9	20.7	0.6	6.3	227.8	6.1
11	Canola (Argentine)	8.1	1.8	22.6	0.5	6.1	92.8	5.6
12	Dandelion	12.4	1.9	15.3	0.1	1.2	21.8	5.5
13	Field horsetail	7.6	1.7	22.5	0.3	4.1	93.0	4.7
14	Cleavers	8.5	1.7	20.3	0.2	2.6	50.2	4.6
15	Wild mustard	7.5	1.3	17.4	0.3	3.5	96.0	4.1
16	Flax	3.9	1.5	37.3	0.4	10.2	161.6	3.9
17	Spring wheat/durum	5.7	1.5	25.8	0.2	4.4	58.0	3.8
18	Perennial sow-thistle	8.6	1.2	13.5	0.1	1.4	26.8	3.7
19	Shepherd's-purse	5.3	0.9	16.4	0.1	2.6	27.6	2.7
20	Flixweed	4.5	0.6	13.4	0.2	5.5	141.0	2.6
21	Narrow-leaved hawk's-beard	5.2	0.8	15.6	0.1	1.3	10.6	2.3
22	Cow cockle	3.6	0.9	25.0	0.1	3.3	30.4	2.2
23	Pale smartweed	4.7	0.7	15.5	0.1	1.9	31.0	2.2
24	Hemp-nettle	4.2	0.7	15.9	0.1	2.3	35.6	2.1
25	Quack grass	3.3	0.6	19.1	0.1	4.2	45.2	2.0
26	Foxtail barley	5.6	0.5	8.1	< 0.1	0.6	5.6	1.9
27	Persian darnel	2.0	0.6	27.7	0.2	11.4	142.6	1.9
28	Bluebur	3.6	0.6	17.0	0.1	2.9	43.8	1.9
29	Chickweed	2.5	0.6	24.3	0.1	4.6	19.8	1.6
30	Barley	3.1	0.6	18.6	< 0.1	1.6	9.0	1.5
31	Round-leaved mallow	2.8	0.4	14.0	0.1	2.1	28.4	1.3
32	Night-flowering catchfly	2.1	0.4	20.2	0.1	2.5	13.4	1.1
33	Thyme-leaved spurge	1.8	0.3	16.6	0.1	2.9	38.4	0.9
34	Alfalfa	1.1	0.3	23.7	0.1	4.6	44.2	0.7
35	Spiny annual sow-thistle	1.5	0.2	13.3	< 0.1	1.3	4.2	0.6
36	Field peas	0.9	0.3	33.3	< 0.1	2.6	7.6	0.6
37	Biennial wormwood	1.5	0.2	10.2	< 0.1	1.0	5.6	0.6
38	Common pepper-grass	1.2	0.2	12.9	< 0.1	2.2	19.8	0.6
39	American dragonhead	1.4	0.2	12.1	< 0.1	0.9	7.2	0.6
40	Annual sow-thistle	1.5	0.1	9.3	< 0.1	0.6	2.4	0.5
41	Prickly lettuce	1.4	0.1	8.2	< 0.1	0.7	3.2	0.5
42	Black medick	0.9	0.2	19.6	< 0.1	2.5	7.8	0.5
43	White mustard	0.4	0.2	40.8	< 0.1	9.6	45.4	0.4
44	Lentils	0.7	0.2	32.2	< 0.1	2.3	7.2	0.4
45	Oats	0.4	0.1	36.0	< 0.1	13.4	42.8	0.4
46	Prostrate knotweed	0.9	0.1	9.6	< 0.1	0.6	1.6	0.3
47	Rose species	0.9	0.1	8.1	< 0.1	1.0	4.2	0.3
48	Yellow sweet-clover	0.6	0.1	20.6	< 0.1	1.9	8.4	0.3
49	Canary grass	0.4	0.1	28.3	< 0.1	3.6	11.0	0.3
50	Wild tomato	0.6	0.1	15.0	< 0.1	2.2	8.8	0.3
51	Common groundsel	0.6	0.1	13.1	< 0.1	1.1	2.0	0.2
52	American vetch	0.7	< 0.1	6.7	< 0.1	0.4	0.8	0.2

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Table 7. All cereal fields (1375 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Borage	0.1	0.1	72.5	< 0.1	13.2	21.4	0.2
54	Corn spurry	0.4	0.1	20.0	< 0.1	3.2	14.6	0.2
55	Scouring-rush	0.4	0.1	13.3	< 0.1	1.8	4.0	0.2
56	Tumble pigweed	0.5	< 0.1	9.3	< 0.1	0.6	1.8	0.2
57	Canada fleabane	0.4	0.1	13.3	< 0.1	0.8	1.4	0.2
58	Purslane speedwell	0.5	< 0.1	8.6	< 0.1	0.5	1.4	0.2
59	Broad-leaved plantain	0.6	< 0.1	5.0	< 0.1	0.3	0.8	0.2
60	Pineappleweed	0.4	0.1	13.3	< 0.1	0.7	1.2	0.2
61	Curled dock	0.4	0.1	11.7	< 0.1	1.0	2.2	0.2
62	Field bindweed	0.3	< 0.1	13.8	< 0.1	5.7	20.8	0.2
63	Yellow toadflax	0.4	< 0.1	7.5	< 0.1	0.7	2.2	0.2
64	Prostrate pigweed	0.4	< 0.1	8.3	< 0.1	0.4	0.8	0.1
65	White cockle	0.4	< 0.1	11.0	< 0.1	1.0	3.6	0.1
66	Wormseed mustard	0.2	< 0.1	21.7	< 0.1	4.4	8.2	0.1
67	Red clover	0.4	< 0.1	10.0	< 0.1	0.5	0.8	0.1
68	Absinth	0.2	< 0.1	20.0	< 0.1	2.3	6.4	0.1
69	Coriander	0.1	0.1	85.0	< 0.1	11.8	11.8	0.1
70	Stork's-bill	0.3	< 0.1	10.0	< 0.1	1.0	2.4	0.1
71	Povertyweed	0.1	< 0.1	60.0	< 0.1	13.2	13.2	0.1
72	Goat's-beard	0.3	< 0.1	7.5	< 0.1	0.4	0.4	0.1
73	Dog mustard	0.1	< 0.1	27.5	< 0.1	3.1	6.0	0.1
74	White clover	0.2	< 0.1	8.3	< 0.1	1.7	4.0	0.1
75	Bicknell's geranium	0.2	< 0.1	11.7	< 0.1	0.7	1.0	0.1
76	Wood-sorrel species	0.1	< 0.1	15.0	< 0.1	19.4	19.4	0.1
77	Downy brome	0.1	< 0.1	12.5	< 0.1	2.5	4.8	0.1
78	Tumble mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
79	Tartary buckwheat	0.1	< 0.1	15.0	< 0.1	1.1	1.4	0.1
80	Scentless chamomile	0.1	< 0.1	15.0	< 0.1	0.9	1.6	0.1
81	Yellow foxtail	0.1	< 0.1	30.0	< 0.1	7.8	7.8	0.1
82	Smooth brome	0.1	< 0.1	7.5	< 0.1	1.7	2.6	0.1
83	Low cudweed	0.1	< 0.1	7.5	< 0.1	0.3	0.4	< 0.1
84	Ball mustard	0.1	< 0.1	7.5	< 0.1	0.3	0.4	< 0.1
85	Sunflower	0.1	< 0.1	7.5	< 0.1	0.3	0.4	< 0.1
86	Rough cinquefoil	0.1	< 0.1	5.0	< 0.1	0.9	1.6	< 0.1
87	Spear-leaved goosefoot	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
88	Cream-colored vetchling	0.1	< 0.1	5.0	< 0.1	0.4	0.6	< 0.1
89	Pygmyflower	0.1	< 0.1	25.0	< 0.1	3.0	3.0	< 0.1
90	Russian pigweed	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
91	Fowl-meadow grass	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
92	Canola (Polish)	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
93	Fall rye	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
94	Chickpeas	0.1	< 0.1	20.0	< 0.1	2.2	2.2	< 0.1
95	Indian mustard	0.1	< 0.1	20.0	< 0.1	1.4	1.4	< 0.1
96	Skeletonweed	0.1	< 0.1	10.0	< 0.1	1.8	1.8	< 0.1
97	Witch grass	0.1	< 0.1	10.0	< 0.1	1.4	1.4	< 0.1
98	Striate knotweed	0.1	< 0.1	10.0	< 0.1	0.8	0.8	< 0.1
99	Cocklebur	0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
100	Aspen poplar	0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
101	Unknown broad-leaved species	0.1	< 0.1	5.0	< 0.1	1.0	1.0	< 0.1
102	Milk-vetch species	0.1	< 0.1	5.0	< 0.1	1.0	1.0	< 0.1
103	Unknown broad-leaved species	0.1	< 0.1	5.0	< 0.1	0.6	0.6	< 0.1
104	Field violet	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1

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Table 7. All cereal fields (1375 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
105	Silverweed	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
106	Caraway	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
107	Rayless aster	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
108	Prairie coneflower	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
109	Maple-leaved goosefoot	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
110	Field mint	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
111	Tall hedge mustard	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
112	Water smartweed	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
113	Wood whitlow-grass	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
114	Tansy	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1

Table 8. Spring wheat (581 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	46.5	19.9	42.9	12.7	27.4	568.4	83.5
2	Wild oats	51.8	15.5	30.0	2.7	5.3	71.4	40.5
3	Wild buckwheat	50.9	13.8	27.0	1.6	3.1	94.4	33.9
4	Canada thistle	37.0	7.2	19.4	0.8	2.1	32.6	20.1
5	Lamb's-quarters	15.8	3.5	21.8	0.8	4.9	113.2	10.8
6	Stinkweed	13.4	2.6	19.5	0.9	7.1	198.0	10.0
7	Kochia	13.6	2.7	19.9	0.9	6.7	181.4	10.0
8	Redroot pigweed	13.4	2.8	20.8	0.6	4.3	128.0	8.7
9	Russian thistle	10.0	2.7	26.9	0.5	5.3	58.8	7.5
10	Cleavers	9.5	2.0	21.6	0.3	3.2	50.2	5.8
11	Field horsetail	7.4	1.7	22.7	0.4	5.7	93.0	5.3
12	Flax	4.3	1.7	40.0	0.4	9.4	49.6	4.5
13	Dandelion	9.5	1.6	16.5	0.1	1.2	8.2	4.5
14	Canola (Argentine)	7.4	1.4	19.1	0.2	3.2	41.8	4.3
15	Barnyard grass	8.6	1.3	14.7	0.2	2.2	30.2	4.3
16	Perennial sow-thistle	8.4	0.9	10.2	0.1	1.2	26.8	3.5
17	Wild mustard	6.9	1.1	15.5	0.1	2.0	24.2	3.4
18	Narrow-leaved hawk's-beard	6.4	1.0	15.4	0.1	1.2	9.2	3.0
19	Quack grass	3.6	0.7	20.5	0.2	5.8	45.2	2.5
20	Flixweed	3.3	0.5	15.5	0.3	8.2	141.0	2.4
21	Barley	5.0	0.7	14.0	0.1	1.1	4.6	2.2
22	Shepherd's-purse	5.3	0.6	11.0	0.1	1.2	13.6	2.2
23	Hemp-nettle	4.3	0.7	16.0	0.1	1.9	14.2	2.2
24	Cow cockle	3.1	0.8	24.4	0.1	2.8	17.2	1.9
25	Chickweed	2.6	0.7	25.7	0.1	4.5	19.8	1.8
26	Pale smartweed	3.8	0.5	13.6	< 0.1	1.0	5.4	1.7
27	Foxtail barley	4.5	0.4	8.5	< 0.1	0.6	5.6	1.7
28	Bluebur	3.1	0.5	14.7	0.1	2.2	20.6	1.5
29	Round-leaved mallow	2.4	0.4	15.4	< 0.1	1.2	6.6	1.1
30	Night-flowering catchfly	1.9	0.4	18.6	< 0.1	2.3	12.0	1.0
31	Alfalfa	1.2	0.2	18.6	0.1	7.0	44.2	0.9
32	Persian darnel	1.7	0.3	15.5	< 0.1	1.6	6.6	0.8
33	Common pepper-grass	1.5	0.2	15.6	< 0.1	2.5	19.8	0.8
34	American dragonhead	1.5	0.2	15.0	< 0.1	1.4	7.2	0.7
35	Black medick	1.0	0.3	27.5	< 0.1	3.0	7.8	0.7
36	Thyme-leaved spurge	1.4	0.2	15.0	< 0.1	1.2	5.6	0.6
37	Oats	0.3	0.1	42.5	0.1	22.2	42.8	0.5
38	Spiny annual sow-thistle	1.4	0.1	10.6	< 0.1	0.6	1.2	0.5
39	Spring wheat/durum	0.9	0.2	23.0	< 0.1	2.1	9.4	0.5
40	Annual sow-thistle	1.2	0.1	11.4	< 0.1	0.8	2.4	0.5
41	Yellow sweet-clover	0.7	0.2	25.0	< 0.1	2.5	8.4	0.4
42	Wild tomato	0.7	0.1	15.0	< 0.1	3.1	8.8	0.4
43	Canary grass	0.5	0.1	25.0	< 0.1	4.2	11.0	0.4
44	Field peas	0.7	0.1	16.3	< 0.1	1.4	4.6	0.3
45	Prostrate knotweed	0.9	0.1	10.0	< 0.1	0.4	0.6	0.3
46	Curled dock	0.7	0.1	15.0	< 0.1	1.4	2.2	0.3
47	Field bindweed	0.3	0.1	22.5	< 0.1	11.1	20.8	0.3
48	Prickly lettuce	0.9	0.1	7.0	< 0.1	0.3	0.4	0.3
49	Scouring-rush	0.5	0.1	18.3	< 0.1	1.8	3.8	0.3
50	Common groundsel	0.7	0.1	7.5	< 0.1	0.7	2.0	0.2
51	American vetch	0.7	< 0.1	5.0	< 0.1	0.4	0.6	0.2
52	Rose species	0.7	< 0.1	5.0	< 0.1	0.3	0.4	0.2

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Table 8. Spring wheat (581 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Tumble pigweed	0.7	< 0.1	5.0	< 0.1	0.3	0.4	0.2
54	Lentils	0.2	0.1	70.0	< 0.1	5.0	5.0	0.2
55	White cockle	0.5	< 0.1	8.3	< 0.1	0.3	0.6	0.2
56	Borage	0.2	0.1	45.0	< 0.1	5.0	5.0	0.2
57	Tartary buckwheat	0.3	0.1	15.0	< 0.1	1.1	1.4	0.2
58	Pineappleweed	0.3	0.1	15.0	< 0.1	1.0	1.2	0.2
59	Yellow toadflax	0.3	< 0.1	12.5	< 0.1	1.5	2.2	0.2
60	Canada fleabane	0.3	0.1	15.0	< 0.1	0.8	1.4	0.2
61	Biennial wormwood	0.3	< 0.1	12.5	< 0.1	0.9	1.6	0.1
62	Red clover	0.3	< 0.1	7.5	< 0.1	0.5	0.8	0.1
63	Goat's-beard	0.3	< 0.1	7.5	< 0.1	0.4	0.4	0.1
64	Absinth	0.3	< 0.1	7.5	< 0.1	0.3	0.4	0.1
65	Sunflower	0.3	< 0.1	7.5	< 0.1	0.3	0.4	0.1
66	Downy brome	0.2	< 0.1	20.0	< 0.1	4.8	4.8	0.1
67	Purslane speedwell	0.3	< 0.1	5.0	< 0.1	0.4	0.6	0.1
68	Corn spurry	0.3	< 0.1	5.0	< 0.1	0.4	0.6	0.1
69	Cream-colored vetchling	0.3	< 0.1	5.0	< 0.1	0.4	0.6	0.1
70	Pygmyflower	0.2	< 0.1	25.0	< 0.1	3.0	3.0	0.1
71	Broad-leaved plantain	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	White mustard	0.2	< 0.1	15.0	< 0.1	0.6	0.6	0.1
73	Witch grass	0.2	< 0.1	10.0	< 0.1	1.4	1.4	0.1
74	Aspen poplar	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
75	Milk-vetch species	0.2	< 0.1	5.0	< 0.1	1.0	1.0	0.1
76	Unknown broad-leaved species	0.2	< 0.1	5.0	< 0.1	0.6	0.6	0.1
77	White clover	0.2	< 0.1	5.0	< 0.1	0.6	0.6	0.1
78	Spear-leaved goosefoot	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
79	Field violet	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
80	Scentless chamomile	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Rough cinquefoil	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Maple-leaved goosefoot	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
83	Ball mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
84	Tall hedge mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
85	Tumble mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
86	Wormseed mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
87	Fowl-meadow grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
88	Canola (Polish)	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 9. Barley (355 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	38.9	16.2	41.6	11.9	30.7	397.4	61.5
2	Wild oats	54.6	18.1	33.2	5.0	9.1	352.2	44.2
3	Wild buckwheat	48.5	13.6	28.0	1.7	3.5	47.6	28.1
4	Canada thistle	39.2	9.3	23.8	1.1	2.7	29.2	20.2
5	Lamb's-quarters	21.1	5.6	26.5	1.2	5.6	91.4	13.4
6	Canola (Argentine)	11.8	3.5	29.2	1.3	11.2	92.8	9.9
7	Stinkweed	14.6	3.2	21.8	0.8	5.1	83.0	8.5
8	Spring wheat/durum	13.8	3.5	25.7	0.7	5.0	58.0	8.4
9	Kochia	13.5	3.4	25.3	0.5	3.7	42.8	7.6
10	Redroot pigweed	16.3	2.7	16.7	0.5	3.0	45.4	7.6
11	Russian thistle	11.0	2.7	24.5	0.8	7.2	75.4	7.3
12	Dandelion	18.9	2.5	13.0	0.2	1.0	9.4	6.9
13	Barnyard grass	6.5	1.9	28.9	1.1	16.6	227.8	6.6
14	Field horsetail	11.8	2.6	22.1	0.3	2.9	12.6	6.0
15	Cleavers	11.5	2.3	19.9	0.2	2.0	10.4	5.3
16	Perennial sow-thistle	12.1	1.8	14.9	0.2	1.7	18.0	4.9
17	Wild mustard	7.3	1.6	22.5	0.5	7.0	96.0	4.7
18	Shepherd's-purse	7.0	2.0	28.2	0.4	5.5	27.6	4.5
19	Flax	3.9	1.7	42.5	0.3	8.4	36.0	3.4
20	Narrow-leaved hawk's-beard	8.7	1.2	13.4	0.1	1.1	9.6	3.3
21	Pale smartweed	8.2	1.1	13.4	0.1	1.5	12.0	3.2
22	Hemp-nettle	6.5	0.9	14.3	0.2	2.8	35.6	2.8
23	Quack grass	5.4	1.0	19.5	0.2	3.2	15.2	2.7
24	Bluebur	4.5	0.9	20.6	0.2	4.7	43.8	2.5
25	Flixweed	5.4	0.6	11.3	0.1	2.1	28.4	2.1
26	Chickweed	3.4	0.9	26.3	0.2	4.8	19.0	2.0
27	Foxtail barley	4.5	0.4	9.1	0.1	1.3	4.2	1.5
28	Thyme-leaved spurge	1.7	0.6	35.8	0.2	9.8	38.4	1.4
29	Night-flowering catchfly	2.3	0.7	30.6	0.1	4.2	13.4	1.4
30	Field peas	1.4	0.7	51.0	0.1	4.1	7.6	1.1
31	Spiny annual sow-thistle	2.5	0.4	15.0	< 0.1	1.8	4.2	1.0
32	Round-leaved mallow	3.1	0.3	8.6	< 0.1	0.5	1.2	1.0
33	Biennial wormwood	2.5	0.2	8.9	< 0.1	0.9	5.4	0.8
34	Annual sow-thistle	2.3	0.2	8.1	< 0.1	0.6	1.4	0.7
35	American dragonhead	2.0	0.2	10.0	< 0.1	0.6	1.2	0.6
36	Oats	0.8	0.3	31.7	0.1	7.5	16.0	0.6
37	Black medick	1.4	0.2	13.0	< 0.1	2.4	7.6	0.6
38	Lentils	0.8	0.3	38.3	< 0.1	2.9	7.2	0.6
39	Prickly lettuce	1.4	0.1	9.0	< 0.1	1.4	3.2	0.5
40	Cow cockle	1.4	0.1	8.0	< 0.1	1.2	3.8	0.5
41	Alfalfa	0.8	0.2	28.3	< 0.1	2.1	5.6	0.5
42	Common pepper-grass	1.1	0.1	8.8	< 0.1	3.1	11.8	0.4
43	Wormseed mustard	0.6	0.2	30.0	< 0.1	6.5	8.2	0.4
44	Pineappleweed	1.1	0.1	12.5	< 0.1	0.5	1.0	0.4
45	Broad-leaved plantain	1.4	0.1	5.0	< 0.1	0.3	0.8	0.4
46	Stork's-bill	1.1	0.1	10.0	< 0.1	1.0	2.4	0.4
47	Coriander	0.3	0.2	85.0	< 0.1	11.8	11.8	0.4
48	Rose species	1.1	0.1	8.8	< 0.1	1.2	2.8	0.4
49	Common groundsel	0.8	0.2	20.0	< 0.1	1.5	1.6	0.4
50	Canary grass	0.6	0.2	32.5	< 0.1	3.1	6.0	0.3
51	Povertyweed	0.3	0.2	60.0	< 0.1	13.2	13.2	0.3
52	Persian darnel	1.1	0.1	6.3	< 0.1	0.6	1.6	0.3

(Table continued on next page)

Table 9. Barley (355 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Canada fleabane	0.8	0.1	15.0	< 0.1	0.9	1.0	0.3
54	Dog mustard	0.6	0.2	27.5	< 0.1	3.1	6.0	0.3
55	Purslane speedwell	0.8	0.1	13.3	< 0.1	0.9	1.4	0.3
56	Yellow sweet-clover	0.6	0.1	25.0	< 0.1	2.3	2.6	0.3
57	Red clover	0.8	0.1	11.7	< 0.1	0.5	0.8	0.3
58	Prostrate knotweed	0.8	0.1	8.3	< 0.1	0.5	0.8	0.3
59	Absinth	0.3	0.1	45.0	< 0.1	6.4	6.4	0.2
60	Yellow toadflax	0.8	< 0.1	5.0	< 0.1	0.3	0.4	0.2
61	White mustard	0.3	0.1	45.0	< 0.1	4.2	4.2	0.2
62	Yellow foxtail	0.3	0.1	30.0	< 0.1	7.8	7.8	0.2
63	Wild tomato	0.6	0.1	12.5	< 0.1	0.9	1.0	0.2
64	Bicknell's geranium	0.6	< 0.1	7.5	< 0.1	0.6	1.0	0.2
65	Prostrate pigweed	0.6	< 0.1	7.5	< 0.1	0.6	0.8	0.2
66	Goat's-beard	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.2
67	American vetch	0.6	< 0.1	5.0	< 0.1	0.5	0.8	0.2
68	Fall rye	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
69	Scentless chamomile	0.3	0.1	25.0	< 0.1	1.6	1.6	0.1
70	Indian mustard	0.3	0.1	20.0	< 0.1	1.4	1.4	0.1
71	Scouring-rush	0.3	< 0.1	10.0	< 0.1	4.0	4.0	0.1
72	White clover	0.3	< 0.1	10.0	< 0.1	4.0	4.0	0.1
73	Barley	0.3	< 0.1	15.0	< 0.1	1.4	1.4	0.1
74	Smooth brome	0.3	< 0.1	10.0	< 0.1	2.6	2.6	0.1
75	White cockle	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
76	Low cudweed	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
77	Rough cinquefoil	0.3	< 0.1	5.0	< 0.1	1.6	1.6	0.1
78	Spear-leaved goosefoot	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
79	Caraway	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
80	Field mint	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Russian pigweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Water smartweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
83	Corn spurry	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
84	Wood whitlow-grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
85	Fowl-meadow grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
86	Canola (Polish)	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1



Table 10. Durum (274 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	47.4	19.2	40.5	10.2	21.5	520.0	93.0
2	Wild oats	55.1	17.0	30.8	3.2	5.9	80.2	56.9
3	Wild buckwheat	34.3	7.3	21.3	0.7	2.1	36.4	24.4
4	Kochia	27.7	5.6	20.3	1.1	4.0	64.2	22.0
5	Redroot pigweed	23.0	3.6	15.9	0.5	2.1	31.2	14.7
6	Stinkweed	17.5	2.7	15.4	0.4	2.1	32.0	11.1
7	Russian thistle	12.8	2.4	18.9	0.6	5.0	113.4	10.5
8	Barnyard grass	11.7	2.4	20.8	0.7	5.8	59.6	10.4
9	Canada thistle	12.8	2.1	16.4	0.2	1.6	7.4	7.9
10	Cow cockle	7.7	2.5	32.9	0.4	4.9	30.4	7.7
11	Persian darnel	4.4	1.7	38.8	0.5	11.2	39.8	6.2
12	Foxtail barley	9.5	0.7	7.3	< 0.1	0.4	1.2	4.1
13	Lamb's-quarters	6.6	1.0	14.7	0.1	0.9	3.8	3.7
14	Wild mustard	4.4	0.8	18.3	0.2	3.9	37.4	3.3
15	Flixweed	5.8	0.5	9.1	< 0.1	0.5	1.4	2.7
16	Round-leaved mallow	2.9	0.6	21.3	0.2	5.5	28.4	2.6
17	Dandelion	4.0	0.4	10.5	< 0.1	0.6	1.6	2.0
18	Canola (Argentine)	2.2	0.6	27.5	0.1	3.1	9.0	1.9
19	Flax	2.9	0.5	16.9	< 0.1	1.7	5.8	1.8
20	White mustard	0.4	0.3	85.0	0.2	45.4	45.4	1.4
21	Thyme-leaved spurge	2.9	0.2	8.1	< 0.1	0.3	0.8	1.3
22	Lentils	1.8	0.4	21.0	< 0.1	1.3	3.0	1.2
23	Prickly lettuce	2.2	0.2	7.5	< 0.1	0.5	1.0	1.0
24	Biennial wormwood	1.1	0.1	13.3	< 0.1	2.1	5.6	0.7
25	Bluebur	1.1	0.1	11.7	< 0.1	2.3	6.4	0.6
26	Cleavers	0.4	0.2	65.0	< 0.1	9.6	9.6	0.6
27	Wood-sorrel species	0.4	0.1	15.0	0.1	19.4	19.4	0.6
28	Perennial sow-thistle	0.7	0.2	22.5	< 0.1	1.2	2.2	0.5
29	Tumble pigweed	0.7	0.1	10.0	< 0.1	0.6	0.8	0.4
30	Prostrate pigweed	0.7	0.1	10.0	< 0.1	0.4	0.6	0.3
31	Spring wheat/durum	0.7	0.1	10.0	< 0.1	0.4	0.4	0.3
32	Curled dock	0.7	< 0.1	5.0	< 0.1	0.4	0.6	0.3
33	Common pepper-grass	0.4	0.1	30.0	< 0.1	1.4	1.4	0.3
34	Field bindweed	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.3
35	Tumble mustard	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.3
36	Chickpeas	0.4	0.1	20.0	< 0.1	2.2	2.2	0.3
37	Skeletonweed	0.4	< 0.1	10.0	< 0.1	1.8	1.8	0.2
38	Pale smartweed	0.4	< 0.1	10.0	< 0.1	1.6	1.6	0.2
39	Quack grass	0.4	< 0.1	5.0	< 0.1	2.4	2.4	0.2
40	Cocklebur	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.2
41	Prostrate knotweed	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.2
42	Yellow sweet-clover	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.2
43	Canada fleabane	0.4	< 0.1	5.0	< 0.1	0.8	0.8	0.2
44	Annual sow-thistle	0.4	< 0.1	5.0	< 0.1	0.6	0.6	0.2
45	Scouring-rush	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
46	Downy brome	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
47	Night-flowering catchfly	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
48	Prairie coneflower	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
49	Rose species	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
50	Shepherd's-purse	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
51	Spiny annual sow-thistle	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
52	Purslane speedwell	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

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Table 10. Durum (274 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Barley	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 11. Oat (119 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	63.9	31.3	48.9	23.0	36.0	243.0	79.4
2	Lamb's-quarters	34.5	10.3	30.0	6.0	17.5	564.4	25.4
3	Wild buckwheat	56.3	14.7	26.2	1.4	2.5	29.0	22.8
4	Canada thistle	53.8	12.6	23.4	1.4	2.5	16.4	20.9
5	Wild oats	33.6	12.1	35.9	2.6	7.8	91.0	19.5
6	Redroot pigweed	21.0	5.6	26.6	2.1	9.9	168.2	11.8
7	Stinkweed	17.6	4.1	23.1	1.6	8.9	135.6	9.1
8	Dandelion	25.2	4.8	19.0	0.5	2.0	21.8	8.8
9	Spring wheat/durum	14.3	4.2	29.1	0.6	4.2	31.8	6.6
10	Barnyard grass	13.4	3.4	25.6	0.7	5.3	38.0	6.2
11	Wild mustard	17.6	2.8	16.0	0.4	2.3	15.2	5.9
12	Field horsetail	14.3	2.9	20.6	0.5	3.3	13.8	5.5
13	Russian thistle	16.0	2.7	16.8	0.4	2.5	9.4	5.5
14	Perennial sow-thistle	15.1	3.1	20.6	0.3	1.8	8.4	5.4
15	Flax	5.0	2.0	39.2	1.5	28.9	161.6	5.2
16	Cleavers	13.4	2.2	16.6	0.3	2.0	10.6	4.4
17	Kochia	10.9	2.6	23.5	0.3	2.6	12.8	4.3
18	Persian darnel	1.7	1.1	65.0	1.4	82.5	142.6	3.9
19	Flixweed	4.2	1.1	27.0	1.1	27.1	133.2	3.8
20	Pale smartweed	7.6	2.3	30.0	0.4	5.9	31.0	3.8
21	Canola (Argentine)	10.9	1.6	14.6	0.4	3.4	37.2	3.8
22	Barley	9.2	2.4	25.5	0.2	2.3	4.0	3.7
23	Bluebur	10.1	1.7	17.1	0.2	1.8	9.2	3.3
24	Shepherd's-purse	10.9	1.1	9.6	0.1	1.2	7.2	2.9
25	Hemp-nettle	5.9	1.4	24.3	0.2	3.4	16.8	2.4
26	Night-flowering catchfly	6.7	1.0	14.4	0.1	1.7	5.6	2.1
27	Chickweed	4.2	0.9	22.0	0.2	5.8	16.4	1.9
28	Narrow-leaved hawk's-beard	3.4	1.2	35.0	0.1	3.1	10.6	1.6
29	Alfalfa	3.4	1.1	32.5	0.1	3.3	8.8	1.6
30	Round-leaved mallow	5.0	0.5	10.8	0.1	2.3	11.0	1.5
31	Quack grass	4.2	0.6	15.0	0.1	1.5	3.0	1.3
32	Biennial wormwood	4.2	0.5	12.0	< 0.1	0.9	3.2	1.2
33	Borage	0.8	0.8	100.0	0.2	21.4	21.4	1.1
34	Corn spurry	1.7	0.7	42.5	0.1	7.4	14.6	1.0
35	Rose species	3.4	0.4	11.3	0.1	1.6	4.2	1.0
36	Foxtail barley	4.2	0.3	6.0	< 0.1	0.3	0.6	0.9
37	White mustard	1.7	0.7	42.5	0.1	3.3	5.0	0.9
38	Prostrate knotweed	3.4	0.3	10.0	< 0.1	0.9	1.6	0.9
39	Cow cockle	1.7	0.4	25.0	< 0.1	1.8	2.2	0.6
40	Annual sow-thistle	2.5	0.2	8.3	< 0.1	0.4	0.6	0.6
41	American dragonhead	2.5	0.2	8.3	< 0.1	0.3	0.6	0.6
42	Field peas	0.8	0.5	65.0	< 0.1	4.8	4.8	0.6
43	Spiny annual sow-thistle	1.7	0.3	20.0	< 0.1	2.2	4.2	0.6
44	Wild tomato	1.7	0.3	17.5	< 0.1	1.8	2.6	0.6
45	American vetch	1.7	0.2	12.5	< 0.1	0.5	0.6	0.5
46	Canary grass	0.8	0.3	30.0	< 0.1	3.0	3.0	0.4
47	Thyme-leaved spurge	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
48	White cockle	0.8	0.2	20.0	< 0.1	3.6	3.6	0.3
49	Tumble pigweed	0.8	0.2	25.0	< 0.1	1.8	1.8	0.3
50	Bicknell's geranium	0.8	0.2	20.0	< 0.1	1.0	1.0	0.3
51	Prickly lettuce	0.8	0.2	20.0	< 0.1	1.0	1.0	0.3
52	Common groundsel	0.8	0.1	15.0	< 0.1	1.6	1.6	0.3

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Table 11. Oat (119 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Striate knotweed	0.8	0.1	10.0	< 0.1	0.8	0.8	0.2
54	Scouring-rush	0.8	0.1	10.0	< 0.1	0.8	0.8	0.2
55	White clover	0.8	0.1	10.0	< 0.1	0.6	0.6	0.2
56	Ball mustard	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
57	Unknown broad-leaved species	0.8	< 0.1	5.0	< 0.1	1.0	1.0	0.2
58	Smooth brome	0.8	< 0.1	5.0	< 0.1	0.8	0.8	0.2
59	Yellow toadflax	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2
60	Silverweed	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2
61	Rayless aster	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
62	Low cudweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
63	Common pepper-grass	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
64	Russian pigweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
65	Broad-leaved plantain	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
66	Tansy	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
67	Yellow sweet-clover	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 12. Canary seed (46 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	37.0	15.5	42.1	5.3	14.4	73.2	58.2
2	Redroot pigweed	30.4	9.6	31.4	5.3	17.4	179.2	49.6
3	Wild oats	43.5	9.5	21.8	1.3	2.9	12.6	28.6
4	Kochia	30.4	7.6	25.0	1.2	3.8	31.0	22.8
5	Wild buckwheat	43.5	6.5	15.0	0.4	0.9	3.0	20.0
6	Canada thistle	30.4	5.1	16.8	0.6	2.0	15.4	16.6
7	Stinkweed	21.7	3.6	16.5	0.4	1.7	7.0	11.4
8	Lamb's-quarters	8.7	3.4	38.8	0.4	4.7	8.6	8.4
9	Dandelion	15.2	2.9	19.3	0.2	1.2	2.0	8.0
10	Spring wheat/durum	10.9	2.7	25.0	0.3	3.1	8.2	7.7
11	Canola (Argentine)	15.2	2.3	15.0	0.1	0.8	3.4	6.9
12	Barnyard grass	4.3	1.6	37.5	0.3	6.7	13.2	4.6
13	Perennial sow-thistle	13.0	0.9	6.7	< 0.1	0.4	1.0	4.3
14	Russian thistle	8.7	1.4	16.3	0.1	0.9	1.6	4.1
15	Barley	2.2	2.1	95.0	0.2	9.0	9.0	4.1
16	Field horsetail	4.3	1.7	40.0	0.2	3.8	7.2	4.0
17	Flax	2.2	1.1	50.0	0.3	12.0	12.0	3.3
18	Cleavers	8.7	0.9	10.0	< 0.1	0.5	0.8	3.3
19	Foxtail barley	8.7	0.8	8.8	< 0.1	0.4	0.6	3.1
20	Cow cockle	8.7	0.7	7.5	< 0.1	0.4	0.6	3.0
21	Wild mustard	8.7	0.7	7.5	< 0.1	0.3	0.4	2.9
22	Flixweed	6.5	0.9	13.3	< 0.1	0.7	1.2	2.8
23	Hemp-nettle	6.5	0.5	8.3	< 0.1	0.5	1.0	2.3
24	Shepherd's-purse	6.5	0.5	8.3	< 0.1	0.5	1.0	2.3
25	Pale smartweed	6.5	0.4	6.7	< 0.1	0.3	0.4	2.1
26	Annual sow-thistle	4.3	0.4	10.0	< 0.1	0.7	0.8	1.7
27	Chickweed	4.3	0.3	7.5	< 0.1	0.3	0.4	1.5
28	Prostrate pigweed	4.3	0.3	7.5	< 0.1	0.3	0.4	1.5
29	Field peas	4.3	0.3	7.5	< 0.1	0.3	0.4	1.5
30	Common pepper-grass	4.3	0.2	5.0	< 0.1	0.3	0.4	1.3
31	Biennial wormwood	4.3	0.2	5.0	< 0.1	0.3	0.4	1.3
32	Prickly lettuce	4.3	0.2	5.0	< 0.1	0.2	0.2	1.3
33	White mustard	2.2	0.3	15.0	< 0.1	1.0	1.0	1.0
34	Night-flowering catchfly	2.2	0.3	15.0	< 0.1	0.6	0.6	1.0
35	Alfalfa	2.2	0.2	10.0	< 0.1	0.4	0.4	0.8
36	Black medick	2.2	0.1	5.0	< 0.1	0.2	0.2	0.7
37	Purslane speedwell	2.2	0.1	5.0	< 0.1	0.2	0.2	0.7
38	Thyme-leaved spurge	2.2	0.1	5.0	< 0.1	0.2	0.2	0.7
39	American vetch	2.2	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 13. All oilseed fields (482 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	50.6	18.6	36.8	4.9	9.7	157.8	46.1
2	Green foxtail	40.2	15.1	37.5	5.9	14.6	237.0	44.9
3	Wild buckwheat	59.8	15.4	25.7	1.4	2.3	40.6	30.9
4	Lamb's-quarters	36.3	8.4	23.3	2.0	5.5	204.6	22.7
5	Spring wheat/durum	18.9	6.5	34.5	2.4	12.9	280.8	19.2
6	Canada thistle	38.6	7.2	18.7	0.8	2.0	22.0	17.2
7	Stinkweed	24.1	5.0	20.6	1.3	5.5	159.6	14.5
8	Redroot pigweed	16.6	3.2	19.5	2.1	12.4	758.4	14.5
9	Russian thistle	14.1	3.7	26.5	0.5	3.4	53.8	8.0
10	Kochia	14.7	3.4	22.9	0.3	2.4	36.2	7.3
11	Cleavers	14.1	2.3	16.0	0.2	1.5	12.8	5.7
12	Shepherd's-purse	11.6	2.2	18.8	0.3	2.3	12.4	5.3
13	Field horsetail	10.4	2.0	19.3	0.3	2.7	19.6	5.0
14	Dandelion	13.5	1.9	13.8	0.1	0.8	6.4	4.8
15	Wild mustard	7.7	2.1	27.8	0.3	3.5	37.6	4.5
16	Perennial sow-thistle	12.2	1.5	12.6	0.1	1.1	21.8	4.3
17	Barnyard grass	8.5	1.4	17.0	0.2	2.7	39.6	3.9
18	Pale smartweed	9.1	0.9	10.3	0.1	0.8	7.0	3.0
19	Narrow-leaved hawk's-beard	5.8	1.0	17.5	0.1	2.4	17.0	2.6
20	Hemp-nettle	6.4	1.0	14.8	0.1	1.5	8.2	2.5
21	Quack grass	3.7	1.1	30.3	0.2	4.2	13.2	2.4
22	Chickweed	3.5	0.9	25.9	0.1	3.7	17.0	2.0
23	Barley	4.6	0.7	16.4	0.1	1.7	8.2	1.9
24	Round-leaved mallow	4.4	0.6	14.3	0.1	1.7	8.4	1.7
25	Night-flowering catchfly	3.7	0.7	18.1	0.1	1.9	8.0	1.6
26	Spiny annual sow-thistle	4.1	0.6	14.8	0.1	1.2	5.0	1.6
27	Bluebur	4.4	0.5	11.2	< 0.1	0.9	4.0	1.5
28	Flixweed	3.9	0.4	11.3	< 0.1	0.6	2.6	1.3
29	Flax	1.9	0.5	29.4	0.1	4.7	18.4	1.2
30	Tumble pigweed	0.8	0.4	42.5	0.2	20.9	43.8	1.2
31	Thyme-leaved spurge	2.1	0.4	20.0	< 0.1	1.9	8.0	0.9
32	Biennial wormwood	2.9	0.3	10.0	< 0.1	0.8	3.6	0.9
33	Canola (Argentine)	1.5	0.4	26.4	< 0.1	2.7	15.8	0.8
34	Yellow sweet-clover	1.2	0.3	25.0	0.1	4.2	16.2	0.7
35	Lentils	1.0	0.4	39.0	< 0.1	3.0	5.4	0.7
36	Prostrate knotweed	2.1	0.2	9.5	< 0.1	0.8	3.6	0.7
37	Black medick	1.5	0.2	15.7	< 0.1	2.3	6.0	0.6
38	White mustard	0.2	0.2	90.0	0.1	49.8	49.8	0.6
39	Cow cockle	1.7	0.2	13.1	< 0.1	0.7	2.0	0.6
40	Annual sow-thistle	1.7	0.2	10.6	< 0.1	1.1	3.4	0.6
41	Alfalfa	1.5	0.2	17.1	< 0.1	0.8	3.0	0.6
42	Common groundsel	1.7	0.2	11.3	< 0.1	0.5	1.2	0.5
43	Persian darnel	1.5	0.2	11.4	< 0.1	1.3	3.8	0.5
44	American vetch	1.5	0.2	11.4	< 0.1	1.1	2.6	0.5
45	Rose species	1.2	0.1	11.7	< 0.1	2.5	9.0	0.5
46	Wild tomato	1.5	0.1	9.3	< 0.1	0.5	1.2	0.4
47	Tumble mustard	0.6	0.2	35.0	< 0.1	3.1	6.6	0.4
48	Stork's-bill	0.6	0.1	23.3	< 0.1	3.1	6.8	0.3
49	Red clover	0.8	0.1	17.5	< 0.1	0.8	1.4	0.3
50	Prickly lettuce	0.8	0.1	13.8	< 0.1	1.0	1.8	0.3
51	Foxtail barley	0.8	0.1	13.8	< 0.1	1.0	2.6	0.3
52	Prostrate pigweed	1.0	0.1	7.0	< 0.1	0.6	1.6	0.3

(Table continued on next page)

Table 13. All oilseed fields (482 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Wormseed mustard	0.8	0.1	8.8	< 0.1	1.3	4.4	0.3
54	Oats	0.4	0.1	25.0	< 0.1	5.4	10.6	0.3
55	American dragonhead	0.8	0.1	10.0	< 0.1	0.7	1.4	0.3
56	Dog mustard	0.6	0.1	10.0	< 0.1	2.8	8.0	0.3
57	Common pepper-grass	0.8	0.1	7.5	< 0.1	0.6	1.4	0.2
58	Broad-leaved plantain	0.8	0.1	6.3	< 0.1	0.7	1.8	0.2
59	Scentless chamomile	0.4	0.1	30.0	< 0.1	2.2	2.6	0.2
60	White cockle	0.6	0.1	11.7	< 0.1	0.7	1.4	0.2
61	Striate knotweed	0.6	0.1	8.3	< 0.1	0.5	1.0	0.2
62	White clover	0.4	< 0.1	10.0	< 0.1	3.5	6.6	0.2
63	Maple-leaved goosefoot	0.6	< 0.1	6.7	< 0.1	0.4	0.6	0.2
64	Rough cinquefoil	0.6	< 0.1	6.7	< 0.1	0.3	0.4	0.2
65	Cocklebur	0.2	0.1	45.0	< 0.1	4.4	4.4	0.2
66	Pineappleweed	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
67	Field peas	0.4	< 0.1	7.5	< 0.1	0.9	1.6	0.1
68	Yellow toadflax	0.4	< 0.1	7.5	< 0.1	0.8	0.8	0.1
69	Nodding thistle	0.2	0.1	35.0	< 0.1	2.2	2.2	0.1
70	Purslane speedwell	0.4	< 0.1	5.0	< 0.1	0.4	0.6	0.1
71	Goat's-beard	0.4	< 0.1	5.0	< 0.1	0.3	0.4	0.1
72	Povertyweed	0.2	< 0.1	20.0	< 0.1	0.8	0.8	0.1
73	Scouring-rush	0.2	< 0.1	15.0	< 0.1	1.2	1.2	0.1
74	Bicknell's geranium	0.2	< 0.1	15.0	< 0.1	1.0	1.0	0.1
75	Spear-leaved goosefoot	0.2	< 0.1	15.0	< 0.1	0.8	0.8	0.1
76	Pygmyflower	0.2	< 0.1	15.0	< 0.1	0.6	0.6	0.1
77	False ragweed	0.2	< 0.1	15.0	< 0.1	0.6	0.6	0.1
78	Field bindweed	0.2	< 0.1	10.0	< 0.1	0.8	0.8	0.1
79	Toad rush	0.2	< 0.1	5.0	< 0.1	0.8	0.8	0.1
80	Spreading dogbane	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
81	Ball mustard	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
82	Field violet	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
83	Tansy	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
84	Low cudweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
85	Canada fleabane	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
86	Slough grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
87	Black mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
88	Pasture sage	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
89	Corn spurry	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
90	Sunflower	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 14. Canola (344 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	53.2	20.0	37.7	6.0	11.2	157.8	51.4
2	Green foxtail	38.1	13.7	36.0	5.2	13.7	237.0	40.0
3	Wild buckwheat	61.3	15.2	24.8	1.3	2.2	21.8	30.9
4	Lamb's-quarters	40.4	9.5	23.5	2.2	5.4	204.6	25.0
5	Spring wheat/durum	17.7	6.3	35.7	2.6	14.8	280.8	19.3
6	Canada thistle	42.7	7.7	18.1	0.8	1.8	18.2	18.5
7	Stinkweed	23.3	4.6	19.9	1.5	6.6	159.6	14.7
8	Redroot pigweed	10.8	1.8	16.8	2.5	23.3	758.4	13.4
9	Cleavers	16.9	2.6	15.5	0.3	1.5	12.8	6.7
10	Field horsetail	13.4	2.5	18.6	0.4	2.7	19.6	6.3
11	Russian thistle	12.5	2.8	22.1	0.3	2.3	15.8	6.1
12	Shepherd's-purse	14.0	2.4	17.3	0.3	1.9	11.0	5.9
13	Kochia	11.3	2.6	22.9	0.3	2.3	22.2	5.6
14	Perennial sow-thistle	14.0	1.6	11.8	0.1	0.8	5.2	4.7
15	Dandelion	13.1	1.6	12.3	0.1	0.7	6.4	4.4
16	Wild mustard	6.1	1.5	24.0	0.2	3.4	37.6	3.3
17	Barnyard grass	6.7	1.2	17.4	0.2	3.6	39.6	3.3
18	Narrow-leaved hawk's-beard	7.3	1.1	15.8	0.2	2.1	17.0	3.1
19	Quack grass	4.4	1.5	35.3	0.2	4.7	13.2	3.0
20	Pale smartweed	9.0	0.9	10.2	0.1	0.7	7.0	2.9
21	Hemp-nettle	7.0	0.9	13.3	0.1	1.4	8.2	2.6
22	Spiny annual sow-thistle	5.2	0.8	15.6	0.1	1.3	5.0	2.0
23	Round-leaved mallow	4.9	0.7	13.5	0.1	1.7	8.4	1.9
24	Barley	4.9	0.7	15.0	0.1	1.1	3.8	1.9
25	Chickweed	2.9	0.6	20.0	0.1	3.2	13.0	1.5
26	Night-flowering catchfly	3.8	0.6	14.6	0.1	1.4	5.4	1.5
27	Bluebur	3.8	0.4	10.8	< 0.1	0.9	4.0	1.2
28	Flixweed	3.5	0.4	10.8	< 0.1	0.5	1.4	1.1
29	Flax	2.0	0.5	23.6	0.1	3.4	11.6	1.1
30	Prostrate knotweed	2.9	0.3	9.5	< 0.1	0.8	3.6	0.9
31	Alfalfa	2.0	0.3	17.1	< 0.1	0.8	3.0	0.8
32	Common groundsel	2.3	0.3	11.3	< 0.1	0.5	1.2	0.7
33	Tumble pigweed	0.6	0.1	25.0	0.1	22.2	43.8	0.7
34	Biennial wormwood	2.3	0.2	9.4	< 0.1	0.9	3.6	0.7
35	Black medick	1.5	0.3	20.0	< 0.1	3.1	6.0	0.7
36	Annual sow-thistle	2.0	0.2	11.4	< 0.1	1.1	3.4	0.7
37	Lentils	1.2	0.4	33.8	< 0.1	2.4	4.4	0.7
38	Thyme-leaved spurge	1.5	0.2	15.0	< 0.1	2.6	8.0	0.6
39	Yellow sweet-clover	1.2	0.2	21.3	< 0.1	2.3	8.2	0.6
40	Persian darnel	1.7	0.2	9.2	< 0.1	0.8	2.4	0.5
41	Canola (Argentine)	0.3	0.3	100.0	< 0.1	15.8	15.8	0.5
42	Wild tomato	1.5	0.2	11.0	< 0.1	0.7	1.2	0.5
43	Stork's-bill	0.9	0.2	23.3	< 0.1	3.1	6.8	0.5
44	American vetch	1.2	0.1	12.5	< 0.1	1.3	2.6	0.4
45	Tumble mustard	0.6	0.2	40.0	< 0.1	3.4	6.6	0.4
46	Rose species	1.2	0.1	8.8	< 0.1	1.3	2.6	0.4
47	American dragonhead	1.2	0.1	10.0	< 0.1	0.7	1.4	0.4
48	Oats	0.6	0.1	25.0	< 0.1	5.4	10.6	0.4
49	Cow cockle	0.9	0.2	18.3	< 0.1	0.9	2.0	0.3
50	Wormseed mustard	0.9	0.1	10.0	< 0.1	1.6	4.4	0.3
51	Red clover	0.9	0.1	13.3	< 0.1	0.5	1.0	0.3
52	White cockle	0.9	0.1	11.7	< 0.1	0.7	1.4	0.3

(Table continued on next page)



Table 14. Canola (344 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Dog mustard	0.6	0.1	12.5	< 0.1	4.1	8.0	0.3
54	Prostrate pigweed	0.9	0.1	8.3	< 0.1	0.8	1.6	0.3
55	Common pepper-grass	0.9	0.1	8.3	< 0.1	0.7	1.4	0.3
56	Striate knotweed	0.9	0.1	8.3	< 0.1	0.5	1.0	0.3
57	Broad-leaved plantain	0.9	0.1	6.7	< 0.1	0.8	1.8	0.3
58	Foxtail barley	0.9	0.1	8.3	< 0.1	0.4	0.8	0.3
59	White clover	0.6	0.1	10.0	< 0.1	3.5	6.6	0.2
60	Maple-leaved goosefoot	0.9	0.1	6.7	< 0.1	0.4	0.6	0.2
61	Prickly lettuce	0.6	0.1	15.0	< 0.1	1.0	1.4	0.2
62	Field peas	0.6	< 0.1	7.5	< 0.1	0.9	1.6	0.2
63	Rough cinquefoil	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.2
64	Scentless chamomile	0.3	0.1	25.0	< 0.1	2.6	2.6	0.2
65	Purslane speedwell	0.6	< 0.1	5.0	< 0.1	0.4	0.6	0.2
66	Pineappleweed	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Povertyweed	0.3	0.1	20.0	< 0.1	0.8	0.8	0.1
68	Scouring-rush	0.3	< 0.1	15.0	< 0.1	1.2	1.2	0.1
69	Bicknell's geranium	0.3	< 0.1	15.0	< 0.1	1.0	1.0	0.1
70	Spear-leaved goosefoot	0.3	< 0.1	15.0	< 0.1	0.8	0.8	0.1
71	False ragweed	0.3	< 0.1	15.0	< 0.1	0.6	0.6	0.1
72	Field bindweed	0.3	< 0.1	10.0	< 0.1	0.8	0.8	0.1
73	Yellow toadflax	0.3	< 0.1	5.0	< 0.1	0.8	0.8	0.1
74	Spreading dogbane	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
75	Ball mustard	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
76	Field violet	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
77	Tansy	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
78	Low cudweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
79	Goat's-beard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
80	Slough grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Pasture sage	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Corn spurry	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 15. Flax (93 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	49.5	22.1	44.7	9.6	19.5	139.0	66.5
2	Wild oats	40.9	15.5	38.0	2.5	6.2	59.2	31.4
3	Wild buckwheat	55.9	13.1	23.4	0.9	1.7	8.8	26.3
4	Spring wheat/durum	22.6	8.0	35.5	2.5	10.9	95.0	21.1
5	Redroot pigweed	36.6	7.6	20.9	1.1	3.1	27.6	18.5
6	Lamb's-quarters	22.6	5.6	24.8	2.0	8.7	153.6	17.2
7	Canada thistle	28.0	5.3	19.0	0.6	2.2	13.8	12.8
8	Russian thistle	14.0	5.6	40.0	1.1	7.9	53.8	11.9
9	Kochia	19.4	5.5	28.6	0.7	3.5	36.2	11.3
10	Wild mustard	16.1	5.3	32.7	0.6	3.7	20.8	10.1
11	Barnyard grass	15.1	2.7	17.9	0.2	1.5	4.0	6.3
12	Dandelion	14.0	2.9	20.8	0.2	1.4	4.8	6.2
13	Stinkweed	15.1	2.0	13.6	0.2	1.2	5.8	5.6
14	Chickweed	7.5	2.6	34.3	0.3	4.4	17.0	5.0
15	Pale smartweed	11.8	1.4	11.8	0.1	1.2	4.8	4.2
16	Shepherd's-purse	5.4	1.5	27.0	0.3	4.9	12.4	3.4
17	Hemp-nettle	7.5	1.5	20.0	0.1	1.8	6.6	3.4
18	White mustard	1.1	1.0	90.0	0.5	49.8	49.8	3.1
19	Night-flowering catchfly	5.4	1.5	27.0	0.2	3.4	8.0	3.1
20	Cleavers	7.5	1.2	16.4	0.1	1.4	4.6	3.0
21	Bluebur	7.5	0.9	12.1	0.1	1.1	3.6	2.7
22	Tumble pigweed	1.1	1.1	100.0	0.4	35.8	35.8	2.6
23	Field horsetail	4.3	1.2	27.5	0.2	3.5	7.4	2.5
24	Barley	4.3	0.8	18.8	0.2	4.4	8.2	2.3
25	Perennial sow-thistle	6.5	0.6	10.0	< 0.1	0.6	1.0	2.1
26	Canola (Argentine)	5.4	0.8	14.0	< 0.1	0.6	1.2	1.9
27	Thyme-leaved spurge	4.3	0.6	15.0	< 0.1	0.9	1.6	1.6
28	Yellow sweet-clover	1.1	0.6	60.0	0.2	16.2	16.2	1.4
29	Flixweed	4.3	0.4	10.0	< 0.1	0.8	2.6	1.4
30	Round-leaved mallow	3.2	0.6	18.3	0.1	1.8	3.6	1.4
31	Narrow-leaved hawk's-beard	1.1	0.4	40.0	0.1	6.4	6.4	0.9
32	Cocklebur	1.1	0.5	45.0	< 0.1	4.4	4.4	0.8
33	Quack grass	2.2	0.1	5.0	< 0.1	1.7	2.6	0.7
34	Nodding thistle	1.1	0.4	35.0	< 0.1	2.2	2.2	0.6
35	Cow cockle	2.2	0.2	7.5	< 0.1	0.3	0.4	0.6
36	Persian darnel	1.1	0.3	25.0	< 0.1	3.8	3.8	0.6
37	Prostrate pigweed	2.2	0.1	5.0	< 0.1	0.3	0.4	0.6
38	Black medick	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
39	Red clover	1.1	0.3	30.0	< 0.1	1.4	1.4	0.6
40	Prickly lettuce	1.1	0.2	20.0	< 0.1	1.8	1.8	0.5
41	Biennial wormwood	1.1	0.2	15.0	< 0.1	0.6	0.6	0.4
42	Rose species	1.1	0.1	5.0	< 0.1	0.8	0.8	0.3
43	Toad rush	1.1	0.1	5.0	< 0.1	0.8	0.8	0.3
44	Black mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Dog mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Wormseed mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Pineappleweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Broad-leaved plantain	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Spiny annual sow-thistle	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Wild tomato	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
51	Flax	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 16. Mustard (45 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	55.6	21.3	38.4	2.6	4.6	40.6	44.2
2	Green foxtail	37.8	11.0	29.1	3.2	8.5	76.8	35.9
3	Stinkweed	48.9	13.6	27.7	2.0	4.1	29.6	33.0
4	Wild oats	51.1	14.3	28.0	1.7	3.4	17.8	32.5
5	Canada thistle	28.9	7.3	25.4	1.0	3.3	22.0	17.6
6	Lamb's-quarters	33.3	6.3	19.0	0.6	1.9	20.4	15.8
7	Russian thistle	26.7	7.3	27.5	0.7	2.5	11.6	15.4
8	Spring wheat/durum	20.0	4.7	23.3	0.9	4.3	23.0	13.1
9	Kochia	31.1	4.8	15.4	0.4	1.2	6.2	12.4
10	Redroot pigweed	20.0	5.1	25.6	0.6	3.2	14.0	12.1
11	Perennial sow-thistle	11.1	2.7	24.0	0.5	4.6	21.8	7.5
12	Dandelion	15.6	1.7	10.7	0.1	0.5	1.0	4.9
13	Shepherd's-purse	6.7	1.9	28.3	0.3	4.5	11.2	4.7
14	Flax	2.2	2.1	95.0	0.4	18.4	18.4	4.7
15	Biennial wormwood	11.1	1.1	10.0	0.1	0.6	1.2	3.5
16	Cleavers	6.7	1.7	25.0	0.1	1.6	3.0	3.3
17	Narrow-leaved hawk's-beard	4.4	1.2	27.5	0.2	5.0	7.4	3.2
18	Barnyard grass	8.9	1.0	11.3	0.1	1.1	2.0	3.2
19	Flixweed	6.7	1.0	15.0	< 0.1	0.7	1.2	2.4
20	Cow cockle	6.7	0.8	11.7	< 0.1	0.7	1.4	2.3
21	Lentils	2.2	1.3	60.0	0.1	5.4	5.4	2.3
22	American vetch	6.7	0.7	10.0	0.1	0.9	1.8	2.3
23	Rose species	2.2	0.7	30.0	0.2	9.0	9.0	2.2
24	Thyme-leaved spurge	2.2	1.4	65.0	0.1	3.2	3.2	2.1
25	Foxtail barley	2.2	0.7	30.0	0.1	2.6	2.6	1.3
26	Scentless chamomile	2.2	0.8	35.0	< 0.1	1.8	1.8	1.3
27	Wild mustard	2.2	0.8	35.0	< 0.1	1.8	1.8	1.3
28	Tumble mustard	2.2	0.6	25.0	0.1	2.6	2.6	1.3
29	Tumble pigweed	2.2	0.4	20.0	0.1	3.2	3.2	1.2
30	Barley	2.2	0.7	30.0	< 0.1	1.6	1.6	1.2
31	Pale smartweed	4.4	0.2	5.0	< 0.1	0.2	0.2	1.1
32	Round-leaved mallow	2.2	0.3	15.0	< 0.1	0.8	0.8	0.8
33	Spiny annual sow-thistle	2.2	0.2	10.0	< 0.1	1.4	1.4	0.8
34	Pygmyflower	2.2	0.3	15.0	< 0.1	0.6	0.6	0.8
35	Canola (Argentine)	2.2	0.3	15.0	< 0.1	0.6	0.6	0.8
36	Yellow toadflax	2.2	0.2	10.0	< 0.1	0.8	0.8	0.7
37	Annual sow-thistle	2.2	0.1	5.0	< 0.1	1.2	1.2	0.7
38	Bluebur	2.2	0.2	10.0	< 0.1	0.4	0.4	0.7
39	Quack grass	2.2	0.1	5.0	< 0.1	0.6	0.6	0.6
40	Goat's-beard	2.2	0.1	5.0	< 0.1	0.4	0.4	0.6
41	Rough cinquefoil	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
42	Canada fleabane	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
43	Prickly lettuce	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
44	Common pepper-grass	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
45	Sunflower	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
46	Wild tomato	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6
47	Yellow sweet-clover	2.2	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 17. All pulse fields (186 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	33.9	12.4	36.6	8.0	23.6	323.4	52.2
2	Wild oats	47.3	16.0	33.9	3.5	7.4	107.6	39.5
3	Wild buckwheat	53.2	12.0	22.5	1.4	2.6	43.2	28.0
4	Stinkweed	23.1	6.4	27.8	1.5	6.4	103.8	17.0
5	Spring wheat/durum	26.9	7.2	26.8	1.0	3.7	33.4	16.4
6	Kochia	24.2	5.1	20.9	1.1	4.5	99.8	14.3
7	Canada thistle	31.2	4.7	15.2	0.4	1.4	8.8	12.7
8	Redroot pigweed	18.8	4.0	21.3	1.0	5.5	121.8	12.0
9	Lamb's-quarters	24.2	5.1	21.1	0.4	1.8	9.4	11.6
10	Wild mustard	14.5	2.1	14.6	0.3	1.8	26.8	6.1
11	Russian thistle	10.2	2.2	21.8	0.3	3.2	17.8	5.6
12	Quack grass	5.4	1.3	24.5	0.7	12.6	84.8	5.2
13	Foxtail barley	6.5	1.4	21.7	0.6	9.0	96.0	5.1
14	Canola (Argentine)	10.2	1.7	17.1	0.2	2.1	13.8	4.7
15	Flax	4.3	1.9	43.1	0.4	9.7	30.4	4.4
16	Dandelion	10.2	1.8	17.4	0.1	1.0	4.2	4.2
17	Flixweed	10.8	1.5	13.8	0.1	0.9	4.8	4.0
18	Narrow-leaved hawk's-beard	7.0	1.6	22.7	0.2	3.2	13.2	3.9
19	Barnyard grass	8.1	1.4	17.0	0.2	2.2	6.4	3.7
20	Perennial sow-thistle	10.8	1.0	9.5	0.1	1.2	8.6	3.7
21	Hemp-nettle	3.2	1.0	32.5	0.4	11.0	44.4	3.1
22	Oats	0.5	0.5	100.0	0.6	104.4	104.4	3.0
23	Prickly lettuce	9.1	0.7	7.9	< 0.1	0.5	2.2	2.8
24	Field horsetail	4.3	1.0	23.1	0.1	2.9	8.6	2.3
25	Spiny annual sow-thistle	4.3	0.9	20.6	0.1	2.7	13.6	2.2
26	Biennial wormwood	5.9	0.6	10.5	< 0.1	0.7	2.4	2.0
27	Chickweed	3.8	0.7	18.6	0.1	2.8	15.0	1.9
28	Thyme-leaved spurge	5.9	0.5	8.2	< 0.1	0.5	1.4	1.8
29	Shepherd's-purse	4.3	0.7	16.9	0.1	1.2	3.0	1.8
30	Cow cockle	3.8	0.8	20.0	0.1	1.5	5.4	1.7
31	Canada fleabane	3.8	0.6	16.4	< 0.1	0.9	2.8	1.5
32	Barley	3.2	0.5	15.8	0.1	1.7	4.4	1.4
33	Bluebur	3.8	0.4	11.4	< 0.1	0.9	3.0	1.3
34	Round-leaved mallow	2.7	0.6	23.0	< 0.1	1.6	5.2	1.3
35	Annual sow-thistle	3.2	0.5	15.8	< 0.1	1.0	2.8	1.3
36	Prostrate knotweed	2.7	0.5	17.0	< 0.1	1.1	1.6	1.1
37	Persian darnel	3.2	0.3	8.3	< 0.1	1.2	3.0	1.1
38	Lentils	1.1	0.6	55.0	0.1	6.6	11.6	1.1
39	Pale smartweed	3.2	0.2	7.5	< 0.1	0.9	2.4	1.0
40	Black medick	2.7	0.3	10.0	< 0.1	1.2	4.2	0.9
41	Cleavers	2.7	0.2	9.0	< 0.1	0.6	1.2	0.8
42	White mustard	0.5	0.5	85.0	0.1	12.4	12.4	0.8
43	Tumble mustard	2.7	0.2	7.0	< 0.1	0.3	0.4	0.8
44	Field peas	2.2	0.1	6.3	< 0.1	0.3	0.4	0.6
45	Smooth brome	1.1	0.3	25.0	< 0.1	2.6	3.6	0.6
46	Goat's-beard	1.6	0.2	11.7	< 0.1	0.5	0.8	0.5
47	Curled dock	1.6	0.2	10.0	< 0.1	0.6	1.0	0.5
48	Field bindweed	0.5	0.3	65.0	< 0.1	3.4	3.4	0.5
49	Pineappleweed	1.1	0.2	22.5	< 0.1	1.3	1.4	0.5
50	American vetch	1.6	0.1	8.3	< 0.1	0.7	1.2	0.5
51	Dog mustard	1.1	0.2	22.5	< 0.1	0.9	1.0	0.5
52	Night-flowering catchfly	1.1	0.2	20.0	< 0.1	1.3	2.0	0.5

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Table 17. All pulse fields (186 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Downy brome	0.5	0.2	45.0	< 0.1	4.6	4.6	0.4
54	Prostrate pigweed	1.1	0.2	15.0	< 0.1	0.6	1.0	0.4
55	Common pepper-grass	1.1	0.1	7.5	< 0.1	0.4	0.6	0.3
56	Chickpeas	0.5	0.2	30.0	< 0.1	1.6	1.6	0.3
57	Purslane speedwell	1.1	0.1	5.0	< 0.1	0.4	0.6	0.3
58	Alfalfa	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
59	Canary grass	0.5	0.1	10.0	< 0.1	0.6	0.6	0.2
60	Low cudweed	0.5	0.1	10.0	< 0.1	0.4	0.4	0.2
61	Green tansy mustard	0.5	0.1	10.0	< 0.1	0.4	0.4	0.2
62	Red clover	0.5	0.1	10.0	< 0.1	0.4	0.4	0.2
63	Rose species	0.5	< 0.1	5.0	< 0.1	0.8	0.8	0.2
64	Spear-leaved goosefoot	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
65	Wild tomato	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
66	Scentless chamomile	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	White cockle	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Common groundsel	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Small-leaved lamb's-quarters	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Sunflower	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	White sweet-clover	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Canola (Polish)	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 18. Pea (104 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	33.7	14.1	42.0	6.6	19.5	135.2	45.3
2	Wild oats	54.8	19.4	35.4	3.9	7.1	66.6	42.1
3	Wild buckwheat	62.5	15.1	24.2	2.0	3.2	43.2	32.3
4	Spring wheat/durum	31.7	9.4	29.5	1.4	4.5	33.4	19.5
5	Lamb's-quarters	32.7	7.4	22.6	0.7	2.1	9.4	14.9
6	Canada thistle	35.6	6.3	17.6	0.6	1.8	8.8	14.3
7	Stinkweed	18.3	4.2	23.2	0.6	3.5	27.6	9.5
8	Kochia	21.2	3.9	18.4	0.4	1.9	18.2	8.7
9	Quack grass	8.7	2.3	26.7	1.2	14.0	84.8	8.5
10	Foxtail barley	7.7	2.1	27.5	1.0	13.2	96.0	7.4
11	Canola (Argentine)	14.4	2.6	18.0	0.4	2.6	13.8	6.3
12	Narrow-leaved hawk's-beard	12.5	2.8	22.7	0.4	3.2	13.2	6.3
13	Russian thistle	8.7	2.7	31.7	0.5	5.3	17.8	5.7
14	Perennial sow-thistle	18.3	1.8	9.7	0.2	1.2	8.6	5.7
15	Hemp-nettle	5.8	1.9	32.5	0.6	11.0	44.4	5.2
16	Oats	1.0	1.0	100.0	1.0	104.4	104.4	5.2
17	Dandelion	12.5	1.9	15.0	0.1	0.9	4.2	4.3
18	Spiny annual sow-thistle	7.7	1.6	20.6	0.2	2.7	13.6	3.6
19	Redroot pigweed	9.6	1.6	16.5	0.1	0.9	4.2	3.4
20	Chickweed	6.7	1.3	18.6	0.2	2.8	15.0	3.0
21	Barnyard grass	7.7	1.2	15.0	0.1	1.8	6.0	2.9
22	Field horsetail	6.7	1.3	20.0	0.1	2.0	5.6	2.9
23	Shepherd's-purse	7.7	1.3	16.9	0.1	1.2	3.0	2.9
24	Biennial wormwood	9.6	1.0	10.5	0.1	0.7	2.4	2.9
25	Wild mustard	9.6	0.8	8.5	0.1	1.0	2.6	2.8
26	Bluebur	6.7	0.8	11.4	0.1	0.9	3.0	2.1
27	Round-leaved mallow	4.8	1.1	23.0	0.1	1.6	5.2	2.1
28	Flax	3.8	0.7	18.8	0.2	4.9	18.4	2.1
29	Flixweed	6.7	0.8	12.1	< 0.1	0.6	1.4	2.1
30	Annual sow-thistle	4.8	0.9	18.0	0.1	1.2	2.8	1.8
31	Lentils	1.9	1.1	55.0	0.1	6.6	11.6	1.7
32	Persian darnel	5.8	0.5	8.3	0.1	1.2	3.0	1.7
33	Pale smartweed	5.8	0.4	7.5	0.1	0.9	2.4	1.6
34	Prostrate knotweed	3.8	0.7	18.8	< 0.1	1.2	1.6	1.5
35	Prickly lettuce	4.8	0.4	9.0	< 0.1	0.8	2.2	1.4
36	Cleavers	4.8	0.4	9.0	< 0.1	0.6	1.2	1.3
37	Black medick	3.8	0.4	11.3	0.1	1.5	4.2	1.3
38	Barley	3.8	0.4	10.0	< 0.1	0.9	1.2	1.2
39	Smooth brome	1.9	0.5	25.0	0.1	2.6	3.6	1.0
40	Canada fleabane	2.9	0.3	11.7	< 0.1	0.6	1.4	0.9
41	Thyme-leaved spurge	2.9	0.3	10.0	< 0.1	0.8	1.4	0.9
42	Cow cockle	2.9	0.3	10.0	< 0.1	0.7	1.2	0.9
43	Pineappleweed	1.9	0.4	22.5	< 0.1	1.3	1.4	0.8
44	American vetch	2.9	0.2	8.3	< 0.1	0.7	1.2	0.8
45	Night-flowering catchfly	1.9	0.4	20.0	< 0.1	1.3	2.0	0.8
46	Downy brome	1.0	0.4	45.0	< 0.1	4.6	4.6	0.7
47	Prostrate pigweed	1.9	0.3	15.0	< 0.1	0.6	1.0	0.6
48	Chickpeas	1.0	0.3	30.0	< 0.1	1.6	1.6	0.5
49	Alfalfa	1.9	0.1	5.0	< 0.1	0.2	0.2	0.4
50	Dog mustard	1.0	0.2	20.0	< 0.1	0.8	0.8	0.4
51	Curled dock	1.0	0.1	10.0	< 0.1	0.6	0.6	0.3
52	Low cudweed	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3

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Table 18. Pea (104 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Green tansy mustard	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
54	Tumble mustard	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
55	Red clover	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
56	Rose species	1.0	< 0.1	5.0	< 0.1	0.8	0.8	0.2
57	Spear-leaved goosefoot	1.0	< 0.1	5.0	< 0.1	0.4	0.4	0.2
58	Wild tomato	1.0	< 0.1	5.0	< 0.1	0.4	0.4	0.2
59	Scentless chamomile	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
60	White cockle	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
61	Common groundsel	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
62	Small-leaved lamb's-quarters	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
63	Purslane speedwell	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
64	White sweet-clover	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2
65	Canola (Polish)	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 19. Lentil (73 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	35.6	10.6	29.8	10.7	30.2	323.4	62.2
2	Wild oats	39.7	12.4	31.2	3.3	8.3	107.6	36.1
3	Stinkweed	27.4	9.8	35.8	2.8	10.1	103.8	28.2
4	Redroot pigweed	30.1	6.5	21.6	2.3	7.5	121.8	23.2
5	Wild buckwheat	43.8	8.6	19.5	0.6	1.5	11.4	22.4
6	Kochia	26.0	6.8	26.1	2.2	8.3	99.8	22.1
7	Spring wheat/durum	20.5	4.7	22.7	0.4	2.1	12.8	11.7
8	Wild mustard	20.5	3.8	18.3	0.5	2.5	26.8	11.1
9	Canada thistle	27.4	3.0	11.0	0.2	0.8	3.4	10.8
10	Flax	5.5	3.7	67.5	0.8	14.6	30.4	8.5
11	Flixweed	16.4	2.5	15.4	0.2	1.2	4.8	7.5
12	Lamb's-quarters	15.1	2.5	16.4	0.1	0.9	3.4	6.9
13	Russian thistle	11.0	1.6	14.4	0.2	1.5	5.4	5.0
14	Barnyard grass	8.2	1.8	21.7	0.3	3.2	6.4	5.0
15	Prickly lettuce	13.7	1.0	7.0	< 0.1	0.4	1.0	4.5
16	Dandelion	6.8	1.8	26.0	0.1	1.4	3.4	4.0
17	Cow cockle	4.1	1.4	35.0	0.1	2.8	5.4	3.0
18	Thyme-leaved spurge	8.2	0.6	7.5	< 0.1	0.3	0.8	2.8
19	Canada fleabane	5.5	1.1	20.0	0.1	1.1	2.8	2.7
20	White mustard	1.4	1.2	85.0	0.2	12.4	12.4	2.3
21	Canola (Argentine)	5.5	0.8	13.8	< 0.1	0.6	1.2	2.3
22	Foxtail barley	5.5	0.5	10.0	< 0.1	0.5	1.0	2.0
23	Barley	2.7	0.8	27.5	0.1	3.4	4.4	1.8
24	Goat's-beard	4.1	0.5	11.7	< 0.1	0.5	0.8	1.6
25	Field bindweed	1.4	0.9	65.0	< 0.1	3.4	3.4	1.5
26	Field horsetail	1.4	0.6	45.0	0.1	8.6	8.6	1.5
27	Tumble mustard	4.1	0.3	6.7	< 0.1	0.3	0.4	1.3
28	Field peas	4.1	0.3	6.7	< 0.1	0.3	0.4	1.3
29	Curled dock	2.7	0.3	10.0	< 0.1	0.6	1.0	1.0
30	Common pepper-grass	2.7	0.2	7.5	< 0.1	0.4	0.6	0.9
31	Dog mustard	1.4	0.3	25.0	< 0.1	1.0	1.0	0.8
32	Prostrate knotweed	1.4	0.1	10.0	< 0.1	1.0	1.0	0.5
33	Canary grass	1.4	0.1	10.0	< 0.1	0.6	0.6	0.5
34	Biennial wormwood	1.4	0.1	10.0	< 0.1	0.4	0.4	0.5
35	Purslane speedwell	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
36	Quack grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
37	Black medick	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Annual sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Perennial sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Sunflower	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4



Table 20. Number of fields surveyed, density, species richness and weed-free quadrats in the surveyed ecoregions

Ecoregion	Number of Fields Surveyed	Density (number/m <sup>2</sup> )	Species (number/field)	Weed-free Quadrats (%)
Boreal Transition & Mid-Boreal Uplands	334	28.2	6	31.2
Aspen Parkland	656	31.9	5	35.2
Moist Mixed Grassland	586	21.9	3	45.3
Mixed Grassland & Cypress Uplands	470	23.0	4	47.9

Table 21. Number of fields surveyed for each crop in each ecoregion

Crop	Boreal Transition	Aspen Parkland	Moist Mixed Grassland	Mixed Grassland
Cereal	217	420	365	373
Spring wheat	94	201	182	104
Barley	92	130	61	72
Durum	0	12	83	179
Oats	25	71	16	7
Canary seed	6	6	23	11
Oilseed	97	199	145	41
Canola	87	148	90	19
Flax	10	39	36	8
Mustard	0	12	19	14
Pulse	18	36	76	56
Peas	18	33	27	26
Lentil	0	3	44	26
Chickpea	0	0	5	4
Mixed crops	2	1	0	0

Table 22. All fields in the Boreal Transition Ecoregion (334 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	57.8	19.1	33.0	3.9	6.7	113.4	36.9
2	Wild buckwheat	66.8	20.2	30.2	2.3	3.5	94.4	33.7
3	Green foxtail	25.4	8.3	32.6	5.8	22.7	397.4	30.7
4	Canada thistle	55.1	12.5	22.6	1.3	2.4	32.6	22.6
5	Lamb's-quarters	42.8	10.9	25.3	2.0	4.7	153.6	22.0
6	Field horsetail	32.9	7.9	24.0	1.1	3.3	23.4	14.9
7	Spring wheat/durum	14.7	4.6	31.0	1.9	13.2	280.8	12.5
8	Cleavers	31.7	6.2	19.7	0.8	2.4	50.2	12.3
9	Redroot pigweed	5.1	1.0	19.4	2.5	50.0	758.4	10.6
10	Dandelion	30.8	4.7	15.4	0.3	1.0	8.6	9.6
11	Canola (Argentine)	18.9	4.2	22.2	1.0	5.2	78.6	9.6
12	Stinkweed	18.9	3.8	20.3	0.8	4.2	135.6	8.7
13	Quack grass	12.3	3.7	30.0	1.0	7.8	84.8	8.1
14	Hemp-nettle	19.2	3.4	17.8	0.6	2.9	44.4	7.6
15	Pale smartweed	20.4	2.8	13.8	0.3	1.3	31.0	6.3
16	Chickweed	13.2	3.2	24.7	0.5	3.7	19.8	6.2
17	Shepherd's-purse	16.2	2.9	18.1	0.4	2.3	27.6	6.1
18	Narrow-leaved hawk's-beard	16.8	3.0	17.9	0.2	1.5	13.2	5.8
19	Perennial sow-thistle	18.3	2.3	12.5	0.2	1.3	26.8	5.5
20	Wild mustard	9.9	2.0	20.6	0.3	3.2	37.6	4.2
21	Barley	9.6	1.8	18.9	0.1	1.4	9.0	3.3
22	Spiny annual sow-thistle	6.0	1.1	19.0	0.1	2.0	13.6	2.2
23	Night-flowering catchfly	5.1	1.1	21.5	0.1	2.4	13.4	2.0
24	Alfalfa	4.8	1.0	20.0	0.1	1.3	8.8	1.7
25	Bluebur	4.8	0.6	12.8	< 0.1	0.6	2.2	1.3
26	American dragonhead	4.5	0.6	13.3	< 0.1	0.6	1.4	1.3
27	Annual sow-thistle	4.5	0.5	10.7	< 0.1	0.5	1.2	1.2
28	Flax	2.1	0.6	27.1	< 0.1	2.3	7.6	0.9
29	Red clover	3.0	0.4	13.0	< 0.1	0.6	1.4	0.8
30	Common groundsel	2.7	0.4	13.9	< 0.1	0.8	1.6	0.8
31	Wild tomato	1.8	0.3	15.8	< 0.1	2.5	8.8	0.7
32	Russian thistle	2.1	0.3	13.6	< 0.1	0.9	2.0	0.6
33	Black medick	2.1	0.3	12.9	< 0.1	0.9	2.0	0.6
34	Pineappleweed	2.1	0.3	13.6	< 0.1	0.7	1.4	0.6
35	Barnyard grass	1.5	0.2	14.0	< 0.1	3.1	11.0	0.6
36	Broad-leaved plantain	2.4	0.1	5.6	< 0.1	0.4	1.8	0.5
37	Corn spurry	0.9	0.3	30.0	< 0.1	5.1	14.6	0.5
38	Borage	0.3	0.3	100.0	0.1	21.4	21.4	0.5
39	Stork's-bill	1.5	0.2	12.0	< 0.1	1.1	2.4	0.4
40	Field peas	0.9	0.3	31.7	< 0.1	2.1	5.8	0.4
41	Yellow sweet-clover	1.5	0.1	10.0	< 0.1	0.4	1.2	0.4
42	Round-leaved mallow	0.9	0.1	10.0	< 0.1	2.7	7.6	0.3
43	Foxtail barley	1.2	0.1	6.3	< 0.1	0.3	0.4	0.3
44	Scentless chamomile	0.6	0.1	25.0	< 0.1	2.1	2.6	0.3
45	Biennial wormwood	1.2	0.1	5.0	< 0.1	0.2	0.2	0.2
46	Canary grass	0.3	0.2	60.0	< 0.1	6.0	6.0	0.2
47	Prickly lettuce	0.9	0.1	11.7	< 0.1	0.5	0.6	0.2
48	American vetch	0.9	0.1	8.3	< 0.1	0.3	0.6	0.2
49	Ball mustard	0.9	0.1	6.7	< 0.1	0.3	0.4	0.2
50	Maple-leaved goosefoot	0.9	0.1	6.7	< 0.1	0.3	0.4	0.2
51	Purslane speedwell	0.9	< 0.1	5.0	< 0.1	0.3	0.6	0.2
52	Tartary buckwheat	0.6	0.1	15.0	< 0.1	1.1	1.4	0.2

(Table continued on next page)

Table 22. All fields in the Boreal Transition Ecoregion (334 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Dog mustard	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.2
54	Bicknell's geranium	0.6	0.1	12.5	< 0.1	0.6	1.0	0.2
55	Kochia	0.6	0.1	10.0	< 0.1	0.4	0.6	0.1
56	Wormseed mustard	0.3	0.1	20.0	< 0.1	4.8	4.8	0.1
57	Rough cinquefoil	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.1
58	Low cudweed	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.1
59	White cockle	0.3	0.1	20.0	< 0.1	3.6	3.6	0.1
60	Cream-colored vetchling	0.6	< 0.1	5.0	< 0.1	0.4	0.6	0.1
61	Field violet	0.6	< 0.1	5.0	< 0.1	0.4	0.4	0.1
62	Common pepper-grass	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Fowl-meadow grass	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Smooth brome	0.3	< 0.1	10.0	< 0.1	2.6	2.6	0.1
65	Field bindweed	0.3	< 0.1	10.0	< 0.1	0.8	0.8	0.1
66	Milk-vetch species	0.3	< 0.1	5.0	< 0.1	1.0	1.0	0.1
67	Spreading dogbane	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
68	Canada fleabane	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Prostrate knotweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Black mustard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Russian pigweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Rose species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Pasture sage	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
74	Thyme-leaved spurge	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
75	White sweet-clover	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
76	Canola (Polish)	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
77	Fall rye	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 23. Cereal fields in the Boreal Transition Ecoregion (217 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	29.0	9.8	33.7	8.1	27.9	397.4	41.1
2	Wild oats	60.8	19.5	32.0	3.8	6.3	113.4	37.5
3	Wild buckwheat	68.2	21.2	31.1	2.7	3.9	94.4	35.7
4	Canada thistle	56.2	14.2	25.2	1.6	2.8	32.6	24.8
5	Lamb's-quarters	35.5	9.5	26.9	1.3	3.6	42.2	17.1
6	Field horsetail	34.6	8.2	23.9	1.1	3.3	23.4	15.6
7	Cleavers	32.3	7.1	22.0	0.9	2.9	50.2	13.7
8	Canola (Argentine)	24.9	5.2	20.7	1.3	5.4	78.6	12.6
9	Dandelion	34.6	5.7	16.5	0.4	1.2	8.6	11.1
10	Stinkweed	17.5	3.8	22.0	1.1	6.1	135.6	9.5
11	Narrow-leaved hawk's-beard	19.4	3.6	18.7	0.3	1.4	10.6	6.7
12	Hemp-nettle	18.4	2.9	16.0	0.4	2.3	35.6	6.6
13	Quack grass	12.0	2.9	23.8	0.7	6.1	45.2	6.6
14	Pale smartweed	18.9	3.1	16.6	0.3	1.8	31.0	6.5
15	Chickweed	11.5	3.2	27.4	0.5	4.6	19.8	6.0
16	Perennial sow-thistle	17.1	2.5	14.7	0.3	1.9	26.8	5.7
17	Spring wheat/durum	10.1	2.6	25.5	0.5	5.1	58.0	5.3
18	Shepherd's-purse	13.8	2.1	15.3	0.3	2.4	27.6	5.0
19	Wild mustard	11.1	2.1	19.4	0.3	2.5	16.4	4.3
20	Barley	11.5	2.2	19.2	0.2	1.5	9.0	4.1
21	Night-flowering catchfly	6.0	1.2	20.8	0.1	2.3	13.4	2.3
22	Redroot pigweed	5.1	0.8	15.5	0.2	4.4	26.8	2.2
23	Alfalfa	5.1	1.0	19.1	0.1	1.5	8.8	1.8
24	American dragonhead	5.5	0.8	14.6	< 0.1	0.6	1.4	1.6
25	Bluebur	4.6	0.6	13.5	< 0.1	0.6	2.2	1.3
26	Flax	2.3	0.8	34.0	0.1	3.0	7.6	1.2
27	Spiny annual sow-thistle	3.7	0.5	13.8	< 0.1	1.3	3.8	1.1
28	Annual sow-thistle	3.7	0.4	10.6	< 0.1	0.5	1.0	0.9
29	Wild tomato	2.3	0.4	16.0	0.1	2.8	8.8	0.9
30	Corn spurry	1.4	0.4	30.0	0.1	5.1	14.6	0.8
31	Borage	0.5	0.5	100.0	0.1	21.4	21.4	0.8
32	Field peas	1.4	0.4	31.7	< 0.1	2.1	5.8	0.6
33	Common groundsel	1.8	0.3	16.3	< 0.1	1.2	1.6	0.6
34	Red clover	2.3	0.2	10.0	< 0.1	0.5	0.8	0.6
35	Russian thistle	1.4	0.3	18.3	< 0.1	1.6	2.0	0.5
36	Broad-leaved plantain	2.3	0.1	5.0	< 0.1	0.2	0.2	0.5
37	Barnyard grass	1.8	0.1	5.0	< 0.1	1.2	2.4	0.4
38	Pineappleweed	1.4	0.2	15.0	< 0.1	0.9	1.2	0.4
39	Black medick	1.4	0.2	15.0	< 0.1	0.7	1.8	0.4
40	Foxtail barley	1.8	0.1	6.3	< 0.1	0.3	0.4	0.4
41	Yellow sweet-clover	1.4	0.2	13.3	< 0.1	0.5	1.2	0.4
42	Stork's-bill	1.4	0.1	10.0	< 0.1	1.1	2.4	0.4
43	Canary grass	0.5	0.3	60.0	< 0.1	6.0	6.0	0.4
44	Tartary buckwheat	0.9	0.1	15.0	< 0.1	1.1	1.4	0.3
45	Bicknell's geranium	0.9	0.1	12.5	< 0.1	0.6	1.0	0.3
46	Kochia	0.9	0.1	10.0	< 0.1	0.4	0.6	0.2
47	American vetch	0.9	0.1	10.0	< 0.1	0.4	0.6	0.2
48	Wormseed mustard	0.5	0.1	20.0	< 0.1	4.8	4.8	0.2
49	Ball mustard	0.9	0.1	7.5	< 0.1	0.3	0.4	0.2
50	White cockle	0.5	0.1	20.0	< 0.1	3.6	3.6	0.2
51	Cream-colored vetchling	0.9	< 0.1	5.0	< 0.1	0.4	0.6	0.2
52	Common pepper-grass	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.2

(Table continued on next page)

Table 23. Cereal fields in the Boreal Transition Ecoregion (217 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Fowl-meadow grass	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.2
54	Scentless chamomile	0.5	0.1	25.0	< 0.1	1.6	1.6	0.2
55	Smooth brome	0.5	< 0.1	10.0	< 0.1	2.6	2.6	0.2
56	Prickly lettuce	0.5	< 0.1	10.0	< 0.1	0.4	0.4	0.1
57	Milk-vetch species	0.5	< 0.1	5.0	< 0.1	1.0	1.0	0.1
58	Field violet	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
59	Rough cinquefoil	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Low cudweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
61	Canada fleabane	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
62	Maple-leaved goosefoot	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Prostrate knotweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Round-leaved mallow	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Dog mustard	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	Russian pigweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Rose species	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Purslane speedwell	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Thyme-leaved spurge	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Biennial wormwood	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Canola (Polish)	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Fall rye	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 24. Spring wheat fields in the Boreal Transition Ecoregion (94 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	72.3	22.7	31.3	3.3	4.6	94.4	46.8
2	Wild oats	66.0	19.6	29.8	3.4	5.1	45.6	44.0
3	Canada thistle	61.7	15.4	24.9	1.8	2.9	32.6	31.3
4	Cleavers	37.2	9.1	24.4	1.4	3.9	50.2	20.8
5	Green foxtail	30.9	8.1	26.4	1.7	5.4	40.4	20.2
6	Field horsetail	30.9	7.1	23.1	1.2	3.7	23.4	16.7
7	Lamb's-quarters	34.0	6.2	18.1	0.5	1.4	7.2	12.8
8	Dandelion	28.7	5.6	19.4	0.4	1.5	8.2	11.2
9	Quack grass	9.6	3.0	31.7	1.1	11.1	45.2	9.6
10	Chickweed	13.8	3.8	27.3	0.6	4.7	19.8	8.6
11	Narrow-leaved hawk's-beard	21.3	3.9	18.5	0.3	1.3	9.2	7.9
12	Canola (Argentine)	23.4	3.1	13.2	0.2	1.0	6.0	7.4
13	Barley	21.3	3.3	15.5	0.2	1.1	4.4	7.2
14	Hemp-nettle	19.1	2.8	14.4	0.3	1.5	6.4	6.7
15	Stinkweed	17.0	3.3	19.4	0.3	1.5	9.4	6.6
16	Pale smartweed	18.1	2.7	15.0	0.2	1.1	5.4	6.0
17	Perennial sow-thistle	13.8	1.9	13.8	0.4	2.6	26.8	5.7
18	Wild mustard	11.7	1.8	15.5	0.1	1.3	10.2	4.1
19	Shepherd's-purse	10.6	1.2	11.5	0.1	1.0	3.8	3.2
20	Night-flowering catchfly	6.4	1.0	15.0	0.1	1.2	3.8	2.2
21	American dragonhead	6.4	1.1	16.7	< 0.1	0.7	1.4	2.1
22	Redroot pigweed	3.2	0.6	18.3	0.2	4.8	7.2	1.8
23	Wild tomato	3.2	0.6	18.3	0.1	4.1	8.8	1.7
24	Flax	2.1	0.9	40.0	0.1	4.8	7.6	1.5
25	Alfalfa	5.3	0.6	12.0	< 0.1	0.5	1.6	1.5
26	Bluebur	5.3	0.5	10.0	< 0.1	0.4	0.8	1.4
27	Annual sow-thistle	4.3	0.5	11.3	< 0.1	0.5	0.8	1.2
28	Spiny annual sow-thistle	3.2	0.4	13.3	< 0.1	0.7	1.2	1.0
29	Tartary buckwheat	2.1	0.3	15.0	< 0.1	1.1	1.4	0.7
30	Yellow sweet-clover	2.1	0.4	17.5	< 0.1	0.7	1.2	0.7
31	Pineappleweed	2.1	0.3	15.0	< 0.1	1.0	1.2	0.7
32	Barnyard grass	2.1	0.1	5.0	< 0.1	2.0	2.4	0.7
33	Black medick	1.1	0.4	35.0	< 0.1	1.8	1.8	0.6
34	Red clover	2.1	0.2	7.5	< 0.1	0.5	0.8	0.5
35	Cream-colored vetchling	2.1	0.1	5.0	< 0.1	0.4	0.6	0.5
36	Russian thistle	1.1	0.2	20.0	< 0.1	2.0	2.0	0.4
37	Prickly lettuce	1.1	0.1	10.0	< 0.1	0.4	0.4	0.3
38	Milk-vetch species	1.1	0.1	5.0	< 0.1	1.0	1.0	0.3
39	Corn spurry	1.1	0.1	5.0	< 0.1	0.6	0.6	0.2
40	Field violet	1.1	0.1	5.0	< 0.1	0.4	0.4	0.2
41	Foxtail barley	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
42	Rough cinquefoil	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
43	Canada fleabane	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
44	Maple-leaved goosefoot	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
45	Common groundsel	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
46	Prostrate knotweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
47	Kochia	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
48	Round-leaved mallow	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
49	Ball mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
50	Broad-leaved plantain	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
51	Thyme-leaved spurge	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
52	Biennial wormwood	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2

(Table continued on next page)

Table 24. Spring wheat fields in the Boreal Transition Ecoregion (94 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Fowl-meadow grass	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
54	Field peas	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2

Table 25. Barley fields in the Boreal Transition Ecoregion (92 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	26.1	11.4	43.5	16.8	64.2	397.4	58.8
2	Wild oats	56.5	19.0	33.6	4.0	7.2	113.4	34.7
3	Wild buckwheat	62.0	20.2	32.6	2.3	3.7	24.0	31.7
4	Canada thistle	48.9	12.1	24.8	1.3	2.6	18.0	20.8
5	Lamb's-quarters	34.8	12.3	35.5	1.8	5.2	29.0	20.0
6	Canola (Argentine)	25.0	7.1	28.5	2.5	9.8	78.6	16.3
7	Field horsetail	34.8	8.4	24.2	1.0	3.0	11.6	15.0
8	Dandelion	35.9	4.8	13.5	0.3	0.8	4.6	10.6
9	Cleavers	22.8	5.5	24.3	0.5	2.1	10.4	9.3
10	Spring wheat/durum	17.4	3.9	22.5	1.0	6.0	58.0	8.7
11	Stinkweed	17.4	4.0	22.8	0.6	3.6	26.0	7.6
12	Narrow-leaved hawk's-beard	20.7	3.1	15.0	0.2	1.1	9.6	6.5
13	Quack grass	14.1	2.9	20.4	0.5	3.9	15.2	6.1
14	Pale smartweed	19.6	2.7	13.9	0.2	0.9	4.8	5.9
15	Shepherd's-purse	12.0	2.9	24.1	0.6	5.0	27.6	5.8
16	Hemp-nettle	14.1	2.2	15.4	0.5	3.3	35.6	5.3
17	Perennial sow-thistle	16.3	1.8	11.3	0.2	1.2	5.0	4.7
18	Chickweed	8.7	2.8	31.9	0.4	5.0	19.0	4.7
19	Wild mustard	6.5	2.0	30.0	0.4	5.6	16.4	3.5
20	Redroot pigweed	6.5	1.0	15.8	0.4	5.4	26.8	2.9
21	Night-flowering catchfly	3.3	1.6	48.3	0.2	6.9	13.4	2.3
22	Spiny annual sow-thistle	5.4	0.8	14.0	0.1	1.7	3.8	1.8
23	Bluebur	4.3	0.8	18.8	< 0.1	1.0	2.2	1.5
24	American dragonhead	4.3	0.6	13.8	< 0.1	0.7	1.2	1.3
25	Common groundsel	3.3	0.7	20.0	< 0.1	1.5	1.6	1.2
26	Field peas	1.1	0.9	85.0	0.1	5.8	5.8	1.0
27	Stork's-bill	3.3	0.3	10.0	< 0.1	1.1	2.4	0.9
28	Flax	2.2	0.6	27.5	< 0.1	1.5	2.8	0.9
29	Red clover	3.3	0.4	11.7	< 0.1	0.5	0.8	0.9
30	Canary grass	1.1	0.7	60.0	0.1	6.0	6.0	0.8
31	Annual sow-thistle	3.3	0.3	8.3	< 0.1	0.5	1.0	0.8
32	Russian thistle	2.2	0.4	17.5	< 0.1	1.4	2.0	0.7
33	Broad-leaved plantain	3.3	0.2	5.0	< 0.1	0.2	0.2	0.7
34	Wild tomato	2.2	0.3	12.5	< 0.1	0.9	1.0	0.6
35	Alfalfa	2.2	0.2	10.0	< 0.1	0.4	0.6	0.6
36	Foxtail barley	2.2	0.2	7.5	< 0.1	0.3	0.4	0.5
37	Wormseed mustard	1.1	0.2	20.0	0.1	4.8	4.8	0.5
38	Scentsless chamomile	1.1	0.3	25.0	< 0.1	1.6	1.6	0.4
39	Smooth brome	1.1	0.1	10.0	< 0.1	2.6	2.6	0.3
40	Kochia	1.1	0.2	15.0	< 0.1	0.6	0.6	0.3
41	Pineappleweed	1.1	0.2	15.0	< 0.1	0.6	0.6	0.3
42	Barnyard grass	1.1	0.1	5.0	< 0.1	0.4	0.4	0.2
43	Bicknell's geranium	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
44	Black medick	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
45	Dog mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
46	Common pepper-grass	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
47	Rose species	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
48	Purslane speedwell	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
49	Fowl-meadow grass	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
50	Canola (Polish)	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
51	Fall rye	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2



Table 26. Oat fields in the Boreal Transition Ecoregion (25 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	64.0	24.0	37.5	5.5	8.7	91.0	36.7
2	Wild buckwheat	72.0	21.2	29.4	2.1	3.0	20.4	26.3
3	Stinkweed	20.0	6.2	31.0	6.0	30.1	135.6	23.4
4	Canada thistle	56.0	18.8	33.6	2.0	3.6	12.2	22.7
5	Lamb's-quarters	44.0	12.4	28.2	2.5	5.7	42.2	19.4
6	Green foxtail	32.0	12.0	37.5	2.5	7.7	18.8	17.5
7	Field horsetail	48.0	10.6	22.1	1.5	3.1	9.2	15.9
8	Dandelion	56.0	10.2	18.2	0.8	1.5	8.6	14.9
9	Canola (Argentine)	24.0	5.8	24.2	1.7	7.0	37.2	10.9
10	Pale smartweed	20.0	6.8	34.0	1.6	8.2	31.0	10.8
11	Cleavers	40.0	5.4	13.5	0.9	2.1	10.6	10.4
12	Perennial sow-thistle	32.0	7.6	23.8	0.7	2.1	6.8	10.0
13	Spring wheat/durum	24.0	8.0	33.3	0.6	2.7	7.4	9.0
14	Hemp-nettle	24.0	6.2	25.8	0.9	3.7	16.8	8.9
15	Wild mustard	28.0	4.6	16.4	0.5	1.8	8.2	7.5
16	Alfalfa	16.0	5.2	32.5	0.5	3.3	8.8	6.3
17	Shepherd's-purse	28.0	2.8	10.0	0.3	1.0	3.4	5.8
18	Narrow-leaved hawk's-beard	12.0	5.2	43.3	0.5	3.9	10.6	5.6
19	Borage	4.0	4.0	100.0	0.9	21.4	21.4	5.1
20	Corn spurry	8.0	3.4	42.5	0.6	7.4	14.6	4.5
21	Barley	16.0	3.0	18.8	0.3	1.7	3.8	4.4
22	Quack grass	16.0	2.8	17.5	0.3	1.9	3.0	4.4
23	Chickweed	8.0	2.4	30.0	0.5	6.2	10.2	3.7
24	Night-flowering catchfly	12.0	0.8	6.7	< 0.1	0.4	0.8	2.1
25	Redroot pigweed	8.0	0.8	10.0	0.1	1.0	1.6	1.7
26	American dragonhead	8.0	0.8	10.0	< 0.1	0.4	0.6	1.5
27	Flax	4.0	1.4	35.0	0.1	2.6	2.6	1.5
28	White cockle	4.0	0.8	20.0	0.1	3.6	3.6	1.3
29	Bicknell's geranium	4.0	0.8	20.0	< 0.1	1.0	1.0	1.0
30	American vetch	4.0	0.6	15.0	< 0.1	0.6	0.6	0.9
31	Bluebur	4.0	0.4	10.0	< 0.1	0.4	0.4	0.8
32	Ball mustard	4.0	0.4	10.0	< 0.1	0.4	0.4	0.8
33	Foxtail barley	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
34	Low cudweed	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
35	Barnyard grass	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
36	Common pepper-grass	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
37	Russian pigweed	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
38	Broad-leaved plantain	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6
39	Yellow sweet-clover	4.0	0.2	5.0	< 0.1	0.2	0.2	0.6

Table 27. Oilseed fields in the Boreal Transition Ecoregion (97 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	54.6	18.8	34.4	4.2	7.8	63.8	37.0
2	Lamb's-quarters	56.7	13.1	23.2	3.8	6.7	153.6	31.6
3	Redroot pigweed	6.2	1.6	26.7	8.3	133.4	758.4	28.7
4	Wild buckwheat	64.9	16.8	25.9	1.3	2.0	18.0	27.7
5	Spring wheat/durum	22.7	8.7	38.2	5.4	23.8	280.8	27.7
6	Canada thistle	52.6	10.3	19.5	1.0	1.8	13.0	19.6
7	Field horsetail	29.9	7.5	25.0	1.1	3.5	19.6	14.0
8	Green foxtail	19.6	5.7	29.2	1.6	8.2	57.4	12.8
9	Cleavers	33.0	5.4	16.3	0.5	1.4	8.6	11.0
10	Shepherd's-purse	22.7	4.8	21.4	0.5	2.3	9.2	9.1
11	Stinkweed	23.7	4.2	17.6	0.3	1.4	7.0	8.2
12	Hemp-nettle	20.6	3.6	17.3	0.4	1.8	8.2	7.3
13	Quack grass	10.3	4.3	42.0	0.5	5.2	8.2	6.7
14	Dandelion	24.7	2.8	11.5	0.1	0.5	2.0	6.7
15	Chickweed	14.4	3.5	23.9	0.5	3.1	13.0	6.5
16	Pale smartweed	24.7	2.5	10.0	0.1	0.5	1.8	6.4
17	Perennial sow-thistle	19.6	1.9	9.7	0.1	0.5	1.4	5.0
18	Wild mustard	8.2	2.2	26.3	0.5	5.7	37.6	4.5
19	Spiny annual sow-thistle	10.3	1.8	17.5	0.2	1.5	5.0	3.6
20	Canola (Argentine)	5.2	1.7	33.0	0.2	3.7	15.8	2.8
21	Barley	7.2	1.3	17.9	0.1	0.9	2.2	2.4
22	Narrow-leaved hawk's-beard	8.2	0.9	10.6	0.1	0.7	1.0	2.2
23	Alfalfa	5.2	1.1	22.0	0.1	1.0	3.0	1.9
24	Night-flowering catchfly	3.1	0.9	28.3	0.1	3.3	8.0	1.5
25	Bluebur	5.2	0.5	10.0	< 0.1	0.6	1.6	1.3
26	Common groundsel	4.1	0.6	13.8	< 0.1	0.7	1.2	1.2
27	Annual sow-thistle	4.1	0.4	10.0	< 0.1	0.6	1.0	1.1
28	Russian thistle	4.1	0.4	10.0	< 0.1	0.5	0.8	1.1
29	Black medick	3.1	0.4	13.3	< 0.1	1.2	2.0	0.9
30	Barnyard grass	1.0	0.5	50.0	0.1	11.0	11.0	0.9
31	Red clover	3.1	0.4	13.3	< 0.1	0.5	1.0	0.9
32	American dragonhead	3.1	0.3	8.3	< 0.1	0.5	0.8	0.8
33	Broad-leaved plantain	3.1	0.2	6.7	< 0.1	0.7	1.8	0.7
34	Pineappleweed	3.1	0.2	5.0	< 0.1	0.2	0.2	0.6
35	Round-leaved mallow	1.0	0.2	20.0	0.1	7.6	7.6	0.6
36	Scentless chamomile	1.0	0.3	25.0	< 0.1	2.6	2.6	0.5
37	Purslane speedwell	2.1	0.1	5.0	< 0.1	0.4	0.6	0.4
38	Dog mustard	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Yellow sweet-clover	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Wild tomato	1.0	0.2	15.0	< 0.1	1.0	1.0	0.3
41	Prickly lettuce	1.0	0.2	15.0	< 0.1	0.6	0.6	0.3
42	Field bindweed	1.0	0.1	10.0	< 0.1	0.8	0.8	0.3
43	Rough cinquefoil	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
44	Stork's-bill	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
45	Spreading dogbane	1.0	0.1	5.0	< 0.1	0.4	0.4	0.2
46	Ball mustard	1.0	0.1	5.0	< 0.1	0.4	0.4	0.2
47	Field violet	1.0	0.1	5.0	< 0.1	0.4	0.4	0.2
48	Maple-leaved goosefoot	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2
49	Black mustard	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2
50	Pasture sage	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2
51	American vetch	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2
52	Biennial wormwood	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2

Table 28. Canola fields in the Boreal Transition Ecoregion (87 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	55.2	18.9	34.3	4.3	7.7	63.8	37.8
2	Redroot pigweed	4.6	1.7	37.5	9.2	200.0	758.4	31.6
3	Lamb's-quarters	58.6	13.3	22.7	2.5	4.2	127.0	28.2
4	Spring wheat/durum	21.8	8.0	36.6	5.7	26.1	280.8	28.2
5	Wild buckwheat	64.4	16.4	25.4	1.3	2.0	18.0	27.8
6	Canada thistle	54.0	11.1	20.6	1.1	2.0	13.0	21.3
7	Field horsetail	31.0	7.5	24.3	1.1	3.4	19.6	14.5
8	Green foxtail	20.7	6.3	30.6	1.8	8.7	57.4	14.2
9	Cleavers	31.0	4.8	15.4	0.4	1.4	8.6	10.4
10	Shepherd's-purse	25.3	5.4	21.4	0.6	2.3	9.2	10.3
11	Stinkweed	23.0	4.1	17.8	0.3	1.3	7.0	8.0
12	Quack grass	11.5	4.8	42.0	0.6	5.2	8.2	7.6
13	Dandelion	23.0	2.6	11.5	0.1	0.5	2.0	6.3
14	Pale smartweed	21.8	2.3	10.5	0.1	0.5	1.8	5.9
15	Hemp-nettle	16.1	2.5	15.4	0.3	1.7	8.2	5.5
16	Perennial sow-thistle	19.5	1.8	9.4	0.1	0.5	1.4	5.1
17	Wild mustard	8.0	2.1	25.7	0.5	6.3	37.6	4.6
18	Chickweed	9.2	2.0	21.9	0.3	3.8	13.0	4.2
19	Spiny annual sow-thistle	10.3	2.0	18.9	0.2	1.6	5.0	3.8
20	Narrow-leaved hawk's-beard	9.2	1.0	10.6	0.1	0.7	1.0	2.5
21	Barley	6.9	1.3	19.2	0.1	1.0	2.2	2.4
22	Alfalfa	5.7	1.3	22.0	0.1	1.0	3.0	2.1
23	Canola (Argentine)	1.1	1.1	100.0	0.2	15.8	15.8	1.7
24	Common groundsel	4.6	0.6	13.8	< 0.1	0.7	1.2	1.4
25	Annual sow-thistle	4.6	0.5	10.0	< 0.1	0.6	1.0	1.2
26	Russian thistle	4.6	0.5	10.0	< 0.1	0.5	0.8	1.2
27	Barnyard grass	1.1	0.6	50.0	0.1	11.0	11.0	1.0
28	Red clover	3.4	0.5	13.3	< 0.1	0.5	1.0	1.0
29	American dragonhead	3.4	0.3	8.3	< 0.1	0.5	0.8	0.9
30	Black medick	2.3	0.4	17.5	< 0.1	1.7	2.0	0.8
31	Bluebur	3.4	0.2	6.7	< 0.1	0.3	0.6	0.8
32	Night-flowering catchfly	2.3	0.3	15.0	< 0.1	0.9	1.6	0.7
33	Round-leaved mallow	1.1	0.2	20.0	0.1	7.6	7.6	0.7
34	Broad-leaved plantain	2.3	0.2	7.5	< 0.1	1.0	1.8	0.6
35	Scentless chamomile	1.1	0.3	25.0	< 0.1	2.6	2.6	0.5
36	Purslane speedwell	2.3	0.1	5.0	< 0.1	0.4	0.6	0.5
37	Pineappleweed	2.3	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Yellow sweet-clover	2.3	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Wild tomato	1.1	0.2	15.0	< 0.1	1.0	1.0	0.4
40	Prickly lettuce	1.1	0.2	15.0	< 0.1	0.6	0.6	0.4
41	Field bindweed	1.1	0.1	10.0	< 0.1	0.8	0.8	0.3
42	Rough cinquefoil	1.1	0.1	10.0	< 0.1	0.4	0.4	0.3
43	Stork's-bill	1.1	0.1	10.0	< 0.1	0.4	0.4	0.3
44	Spreading dogbane	1.1	0.1	5.0	< 0.1	0.4	0.4	0.3
45	Ball mustard	1.1	0.1	5.0	< 0.1	0.4	0.4	0.3
46	Field violet	1.1	0.1	5.0	< 0.1	0.4	0.4	0.3
47	Maple-leaved goosefoot	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
48	Dog mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
49	Pasture sage	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
50	American vetch	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
51	Biennial wormwood	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2

Table 29. Flax fields in the Boreal Transition Ecoregion (10 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	40.0	11.5	28.8	15.4	38.6	153.6	62.8
2	Wild oats	50.0	18.0	36.0	4.0	8.0	33.6	31.4
3	Wild buckwheat	70.0	20.5	29.3	1.3	1.9	5.8	27.1
4	Chickweed	60.0	16.0	26.7	1.4	2.3	9.6	23.0
5	Spring wheat/durum	30.0	14.5	48.3	2.8	9.4	20.2	22.6
6	Hemp-nettle	60.0	13.0	21.7	1.2	2.0	6.6	20.5
7	Cleavers	50.0	10.5	21.0	0.8	1.6	4.6	16.2
8	Field horsetail	20.0	7.0	35.0	1.1	5.5	7.4	10.8
9	Canola (Argentine)	40.0	6.5	16.3	0.3	0.7	1.2	10.5
10	Pale smartweed	50.0	4.0	8.0	0.2	0.3	0.8	9.9
11	Stinkweed	30.0	5.0	16.7	0.7	2.2	5.8	9.5
12	Dandelion	40.0	4.5	11.3	0.3	0.7	1.8	9.2
13	Canada thistle	40.0	2.5	6.3	0.2	0.4	0.6	7.6
14	Night-flowering catchfly	10.0	5.5	55.0	0.8	8.0	8.0	7.5
15	Bluebur	20.0	3.0	15.0	0.2	0.9	1.6	5.2
16	Perennial sow-thistle	20.0	2.5	12.5	0.1	0.6	0.8	4.7
17	Wild mustard	10.0	3.0	30.0	0.1	1.2	1.2	3.7
18	Redroot pigweed	20.0	1.0	5.0	< 0.1	0.2	0.2	3.5
19	Barley	10.0	1.0	10.0	< 0.1	0.4	0.4	2.1
20	Green foxtail	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
21	Black medick	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
22	Black mustard	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
23	Dog mustard	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
24	Pineappleweed	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
25	Broad-leaved plantain	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7
26	Spiny annual sow-thistle	10.0	0.5	5.0	< 0.1	0.2	0.2	1.7

Table 30. Pulse fields in the Boreal Transition Ecoregion (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	55.6	24.2	43.5	3.3	5.9	20.6	42.4
2	Quack grass	27.8	10.6	38.0	6.2	22.4	84.8	40.8
3	Lamb's-quarters	55.6	14.7	26.5	1.4	2.6	8.6	26.9
4	Wild oats	33.3	13.3	40.0	2.3	7.0	14.8	26.1
5	Hemp-nettle	22.2	8.6	38.8	3.2	14.4	44.4	24.6
6	Narrow-leaved hawk's-beard	33.3	7.5	22.5	1.1	3.2	13.2	16.0
7	Canada thistle	55.6	4.4	8.0	0.3	0.5	0.8	13.8
8	Field horsetail	33.3	6.7	20.0	0.5	1.4	3.4	12.7
9	Canola (Argentine)	22.2	6.4	28.8	0.9	4.0	13.0	12.5
10	Spring wheat/durum	27.8	6.7	24.0	0.6	2.1	8.2	12.3
11	Spiny annual sow-thistle	11.1	5.3	47.5	0.8	7.5	13.6	9.6
12	Chickweed	27.8	3.6	13.0	0.2	0.7	1.8	8.2
13	Dandelion	22.2	4.2	18.8	0.3	1.2	2.0	8.0
14	Perennial sow-thistle	27.8	1.9	7.0	0.1	0.4	0.6	6.5
15	Annual sow-thistle	16.7	1.9	11.7	0.1	0.6	1.2	4.7
16	Cleavers	16.7	1.1	6.7	0.1	0.4	0.8	3.9
17	Pale smartweed	16.7	0.8	5.0	0.1	0.3	0.6	3.7
18	Green foxtail	11.1	0.8	7.5	0.1	1.3	2.0	3.1
19	Stinkweed	5.6	1.9	35.0	0.2	2.8	2.8	3.1
20	Flax	11.1	1.1	10.0	0.1	0.5	0.8	2.9
21	Pineappleweed	5.6	1.9	35.0	0.1	1.4	1.4	2.7
22	Bluebur	5.6	1.1	20.0	< 0.1	0.8	0.8	2.0
23	Night-flowering catchfly	5.6	0.6	10.0	< 0.1	0.6	0.6	1.5
24	Low cudweed	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
25	Prickly lettuce	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
26	Shepherd's-purse	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
27	Red clover	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
28	Wild mustard	5.6	0.3	5.0	0.1	1.0	1.0	1.4
29	Common groundsel	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
30	Black medick	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
31	Biennial wormwood	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
32	White sweet-clover	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2

Table 31. Pea fields in the Boreal Transition Ecoregion (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	55.6	24.2	43.5	3.3	5.9	20.6	42.4
2	Quack grass	27.8	10.6	38.0	6.2	22.4	84.8	40.8
3	Lamb's-quarters	55.6	14.7	26.5	1.4	2.6	8.6	26.9
4	Wild oats	33.3	13.3	40.0	2.3	7.0	14.8	26.1
5	Hemp-nettle	22.2	8.6	38.8	3.2	14.4	44.4	24.6
6	Narrow-leaved hawk's-beard	33.3	7.5	22.5	1.1	3.2	13.2	16.0
7	Canada thistle	55.6	4.4	8.0	0.3	0.5	0.8	13.8
8	Field horsetail	33.3	6.7	20.0	0.5	1.4	3.4	12.7
9	Canola (Argentine)	22.2	6.4	28.8	0.9	4.0	13.0	12.5
10	Spring wheat/durum	27.8	6.7	24.0	0.6	2.1	8.2	12.3
11	Spiny annual sow-thistle	11.1	5.3	47.5	0.8	7.5	13.6	9.6
12	Chickweed	27.8	3.6	13.0	0.2	0.7	1.8	8.2
13	Dandelion	22.2	4.2	18.8	0.3	1.2	2.0	8.0
14	Perennial sow-thistle	27.8	1.9	7.0	0.1	0.4	0.6	6.5
15	Annual sow-thistle	16.7	1.9	11.7	0.1	0.6	1.2	4.7
16	Cleavers	16.7	1.1	6.7	0.1	0.4	0.8	3.9
17	Pale smartweed	16.7	0.8	5.0	0.1	0.3	0.6	3.7
18	Green foxtail	11.1	0.8	7.5	0.1	1.3	2.0	3.1
19	Stinkweed	5.6	1.9	35.0	0.2	2.8	2.8	3.1
20	Flax	11.1	1.1	10.0	0.1	0.5	0.8	2.9
21	Pineappleweed	5.6	1.9	35.0	0.1	1.4	1.4	2.7
22	Bluebur	5.6	1.1	20.0	< 0.1	0.8	0.8	2.0
23	Night-flowering catchfly	5.6	0.6	10.0	< 0.1	0.6	0.6	1.5
24	Low cudweed	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
25	Prickly lettuce	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
26	Shepherd's-purse	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
27	Red clover	5.6	0.6	10.0	< 0.1	0.4	0.4	1.4
28	Wild mustard	5.6	0.3	5.0	0.1	1.0	1.0	1.4
29	Common groundsel	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
30	Black medick	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
31	Biennial wormwood	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2
32	White sweet-clover	5.6	0.3	5.0	< 0.1	0.2	0.2	1.2

Table 32. All fields in the Aspen Parkland Ecoregion (656 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.9	19.7	40.4	12.9	26.3	483.6	67.5
2	Wild oats	51.5	18.9	36.7	5.0	9.7	352.2	42.7
3	Wild buckwheat	56.1	15.5	27.6	1.7	2.9	47.6	30.2
4	Canada thistle	50.3	10.1	20.1	1.1	2.2	29.2	22.6
5	Lamb's-quarters	27.1	6.4	23.7	2.3	8.5	564.4	18.4
6	Spring wheat/durum	14.8	4.7	32.0	1.2	7.9	95.0	10.8
7	Redroot pigweed	15.2	3.2	21.1	0.8	5.1	168.2	8.3
8	Stinkweed	13.4	2.4	17.6	0.6	4.5	159.6	6.7
9	Barnyard grass	11.7	2.3	19.4	0.7	5.9	227.8	6.5
10	Perennial sow-thistle	16.5	2.3	14.0	0.2	1.5	21.8	6.2
11	Russian thistle	11.1	2.4	21.8	0.5	4.8	75.4	6.1
12	Dandelion	14.5	2.2	14.9	0.2	1.4	26.8	5.5
13	Wild mustard	10.7	2.0	18.3	0.4	4.0	96.0	5.2
14	Cleavers	11.9	2.0	16.4	0.2	1.8	12.8	4.8
15	Flax	5.5	2.0	36.9	0.6	11.0	161.6	4.8
16	Shepherd's-purse	10.7	1.7	16.1	0.2	2.2	17.8	4.4
17	Canola (Argentine)	6.6	1.6	24.5	0.4	6.5	92.8	4.1
18	Bluebur	7.5	1.1	15.3	0.2	2.8	43.8	3.2
19	Field horsetail	6.6	1.0	15.3	0.3	4.6	93.0	3.2
20	Narrow-leaved hawk's-beard	7.2	1.2	16.5	0.2	2.2	17.0	3.0
21	Flixweed	4.9	0.6	12.5	0.4	9.2	141.0	2.9
22	Kochia	4.9	1.1	23.4	0.2	3.8	31.4	2.6
23	Pale smartweed	5.5	0.7	13.1	0.1	1.9	12.0	2.1
24	Night-flowering catchfly	4.7	0.8	17.6	0.1	2.2	12.0	2.0
25	Round-leaved mallow	5.0	0.7	14.7	0.1	1.5	11.0	1.9
26	Barley	4.6	0.8	17.2	0.1	2.0	8.2	1.9
27	Hemp-nettle	4.7	0.7	14.2	0.1	2.0	14.2	1.8
28	Quack grass	4.6	0.6	13.5	0.1	2.3	13.2	1.8
29	Chickweed	2.1	0.5	22.1	0.1	5.5	17.0	1.2
30	Spiny annual sow-thistle	3.2	0.4	13.1	< 0.1	1.2	4.2	1.1
31	Biennial wormwood	3.2	0.4	11.0	< 0.1	1.1	5.4	1.1
32	Prostrate knotweed	3.2	0.4	11.4	< 0.1	0.8	3.6	1.1
33	Foxtail barley	3.0	0.3	9.5	< 0.1	1.2	4.2	1.0
34	Black medick	1.8	0.4	19.2	0.1	3.4	7.8	0.9
35	Thyme-leaved spurge	1.5	0.4	25.5	0.1	3.8	19.4	0.8
36	Annual sow-thistle	2.3	0.3	12.0	< 0.1	1.1	3.4	0.8
37	Persian darnel	1.8	0.2	10.4	0.1	3.0	22.4	0.7
38	Yellow sweet-clover	0.9	0.3	31.7	< 0.1	4.9	16.2	0.6
39	Oats	0.8	0.2	31.0	0.1	7.0	16.0	0.5
40	Alfalfa	0.5	0.2	35.0	0.1	16.7	44.2	0.5
41	Rose species	1.4	0.1	6.7	< 0.1	0.9	2.8	0.4
42	American dragonhead	1.2	0.1	8.8	< 0.1	1.5	7.2	0.4
43	Cow cockle	0.8	0.2	29.0	< 0.1	2.2	5.4	0.4
44	Common groundsel	1.2	0.1	9.4	< 0.1	0.7	2.0	0.4
45	White cockle	1.2	0.1	9.4	< 0.1	0.5	1.4	0.4
46	Yellow toadflax	1.2	0.1	7.5	< 0.1	0.7	2.2	0.4
47	Wormseed mustard	0.9	0.1	13.3	< 0.1	2.2	8.2	0.4
48	Canary grass	0.6	0.2	26.3	< 0.1	3.8	11.0	0.3
49	Purslane speedwell	1.1	0.1	8.6	< 0.1	0.6	1.4	0.3
50	Field peas	0.6	0.2	27.5	< 0.1	2.4	7.6	0.3
51	Wild tomato	0.9	0.1	12.5	< 0.1	1.0	2.6	0.3
52	American vetch	1.1	0.1	6.4	< 0.1	0.5	1.2	0.3

(Table continued on next page)

Table 32. All fields in the Aspen Parkland Ecoregion (656 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Povertyweed	0.3	0.1	40.0	< 0.1	7.0	13.2	0.2
54	Stork's-bill	0.5	0.1	23.3	< 0.1	3.1	6.8	0.2
55	Absinth	0.5	0.1	20.0	< 0.1	2.3	6.4	0.2
56	Coriander	0.2	0.1	85.0	< 0.1	11.8	11.8	0.2
57	Pineappleweed	0.6	0.1	11.3	< 0.1	0.7	1.2	0.2
58	Smooth brome	0.5	0.1	18.3	< 0.1	2.0	3.6	0.2
59	Downy brome	0.3	0.1	32.5	< 0.1	4.7	4.8	0.2
60	Prostrate pigweed	0.6	0.1	8.8	< 0.1	0.7	1.6	0.2
61	White mustard	0.3	0.1	32.5	< 0.1	2.8	5.0	0.2
62	Scentless chamomile	0.5	0.1	15.0	< 0.1	0.7	1.8	0.2
63	Dog mustard	0.3	0.1	20.0	< 0.1	4.4	8.0	0.2
64	Prickly lettuce	0.5	< 0.1	6.7	< 0.1	1.2	3.2	0.1
65	Broad-leaved plantain	0.5	< 0.1	5.0	< 0.1	0.5	0.8	0.1
66	Borage	0.2	0.1	45.0	< 0.1	5.0	5.0	0.1
67	Tumble pigweed	0.3	< 0.1	15.0	< 0.1	1.0	1.8	0.1
68	Cocklebur	0.2	0.1	45.0	< 0.1	4.4	4.4	0.1
69	Yellow foxtail	0.2	< 0.1	30.0	< 0.1	7.8	7.8	0.1
70	Bicknell's geranium	0.3	< 0.1	12.5	< 0.1	1.0	1.0	0.1
71	Maple-leaved goosefoot	0.3	< 0.1	7.5	< 0.1	0.5	0.6	0.1
72	Striate knotweed	0.3	< 0.1	7.5	< 0.1	0.5	0.8	0.1
73	White clover	0.3	< 0.1	7.5	< 0.1	0.5	0.6	0.1
74	Goat's-beard	0.3	< 0.1	7.5	< 0.1	0.4	0.4	0.1
75	Low cudweed	0.3	< 0.1	7.5	< 0.1	0.3	0.4	0.1
76	Spear-leaved goosefoot	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
77	Tansy	0.3	< 0.1	5.0	< 0.1	0.3	0.4	0.1
78	Corn spurry	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
79	Red clover	0.2	< 0.1	30.0	< 0.1	1.4	1.4	0.1
80	Witch grass	0.2	< 0.1	10.0	< 0.1	1.4	1.4	0.1
81	Common pepper-grass	0.2	< 0.1	10.0	< 0.1	0.8	0.8	< 0.1
82	Canada fleabane	0.2	< 0.1	10.0	< 0.1	0.6	0.6	< 0.1
83	Aspen poplar	0.2	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
84	Toad rush	0.2	< 0.1	5.0	< 0.1	0.8	0.8	< 0.1
85	Silverweed	0.2	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
86	Caraway	0.2	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
87	Rayless aster	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
88	Rough cinquefoil	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
89	Slough grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
90	Field mint	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
91	Tall hedge mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
92	Russian pigweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
93	Scouring-rush	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
94	Wood whitlow-grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
95	Fall rye	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1



Table 33. Cereal fields in the Aspen Parkland Ecoregion (420 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	51.2	21.8	42.6	15.3	30.0	483.6	75.1
2	Wild oats	47.4	16.5	34.9	4.6	9.7	352.2	38.4
3	Wild buckwheat	53.3	15.1	28.2	1.7	3.1	47.6	30.0
4	Canada thistle	52.1	10.6	20.4	1.2	2.2	29.2	24.4
5	Lamb's-quarters	20.7	5.0	23.9	2.3	11.3	564.4	15.8
6	Redroot pigweed	15.5	3.8	24.5	1.0	6.4	168.2	9.7
7	Barnyard grass	11.2	2.5	22.4	1.0	8.7	227.8	7.5
8	Russian thistle	11.2	2.3	20.3	0.6	5.8	75.4	6.4
9	Flax	6.2	2.6	42.5	0.8	13.7	161.6	6.2
10	Spring wheat/durum	9.8	2.8	28.7	0.5	4.8	55.4	6.0
11	Dandelion	15.2	2.1	14.0	0.2	1.3	21.8	5.8
12	Perennial sow-thistle	15.0	2.1	13.7	0.2	1.4	18.0	5.8
13	Canola (Argentine)	8.3	2.3	27.3	0.6	7.8	92.8	5.7
14	Wild mustard	10.5	1.7	16.1	0.5	4.9	96.0	5.3
15	Stinkweed	10.0	1.7	16.9	0.4	3.8	83.0	4.8
16	Cleavers	11.0	1.9	17.5	0.2	2.0	9.8	4.8
17	Shepherd's-purse	8.8	1.6	18.0	0.3	3.0	17.8	4.1
18	Flixweed	5.2	0.7	13.9	0.7	13.1	141.0	3.8
19	Field horsetail	6.2	1.1	17.9	0.4	6.5	93.0	3.5
20	Bluebur	6.9	1.2	17.9	0.3	4.0	43.8	3.4
21	Kochia	4.8	1.2	25.3	0.2	4.2	31.4	2.7
22	Narrow-leaved hawk's-beard	5.7	0.7	12.1	0.1	1.2	9.4	2.1
23	Quack grass	4.8	0.6	13.0	0.1	1.8	5.2	1.9
24	Hemp-nettle	4.3	0.7	15.8	0.1	2.4	14.2	1.8
25	Night-flowering catchfly	3.8	0.8	19.7	0.1	2.7	12.0	1.8
26	Pale smartweed	3.8	0.6	16.3	0.1	2.6	12.0	1.7
27	Foxtail barley	4.8	0.5	9.5	0.1	1.2	4.2	1.6
28	Barley	3.3	0.7	20.0	0.1	1.9	4.6	1.5
29	Round-leaved mallow	3.8	0.5	13.4	0.1	1.7	11.0	1.5
30	Chickweed	2.1	0.3	15.6	0.1	4.6	16.4	1.1
31	Biennial wormwood	2.6	0.3	12.7	< 0.1	1.2	5.4	1.0
32	Prostrate knotweed	2.6	0.3	10.0	< 0.1	0.7	1.6	0.9
33	Thyme-leaved spurge	1.2	0.4	36.0	0.1	5.2	19.4	0.8
34	Spiny annual sow-thistle	2.1	0.3	13.3	< 0.1	1.3	4.2	0.8
35	Annual sow-thistle	2.4	0.2	8.5	< 0.1	0.7	2.4	0.8
36	Black medick	1.4	0.3	20.8	0.1	3.8	7.8	0.7
37	Alfalfa	0.5	0.2	50.0	0.1	24.9	44.2	0.7
38	Cow cockle	1.0	0.3	35.0	< 0.1	2.7	5.4	0.6
39	American dragonhead	1.7	0.1	7.9	< 0.1	1.5	7.2	0.6
40	Persian darnel	1.2	0.1	11.0	0.1	5.0	22.4	0.5
41	Oats	0.7	0.3	35.0	0.1	8.0	16.0	0.5
42	Canary grass	0.7	0.2	31.7	< 0.1	4.9	11.0	0.5
43	Rose species	1.4	0.1	6.7	< 0.1	1.0	2.8	0.4
44	Yellow toadflax	1.4	0.1	7.5	< 0.1	0.7	2.2	0.4
45	Purslane speedwell	1.2	0.1	10.0	< 0.1	0.7	1.4	0.4
46	Field peas	0.5	0.2	47.5	< 0.1	3.9	7.6	0.4
47	Absinth	0.7	0.1	20.0	< 0.1	2.3	6.4	0.3
48	American vetch	1.2	0.1	5.0	< 0.1	0.4	0.8	0.3
49	Common groundsel	1.0	0.1	10.0	< 0.1	1.1	2.0	0.3
50	Coriander	0.2	0.2	85.0	< 0.1	11.8	11.8	0.3
51	White cockle	1.0	0.1	8.8	< 0.1	0.4	0.6	0.3
52	White mustard	0.5	0.2	32.5	< 0.1	2.8	5.0	0.3

(Table continued on next page)

Table 33. Cereal fields in the Aspen Parkland Ecoregion (420 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Povertyweed	0.2	0.1	60.0	< 0.1	13.2	13.2	0.3
54	Wormseed mustard	0.5	0.1	22.5	< 0.1	4.2	8.2	0.3
55	Yellow sweet-clover	0.5	0.1	25.0	< 0.1	2.3	2.6	0.2
56	Pineappleweed	0.7	0.1	11.7	< 0.1	0.5	1.0	0.2
57	Wild tomato	0.5	0.1	17.5	< 0.1	1.8	2.6	0.2
58	Borage	0.2	0.1	45.0	< 0.1	5.0	5.0	0.2
59	Tumble pigweed	0.5	0.1	15.0	< 0.1	1.0	1.8	0.2
60	Yellow foxtail	0.2	0.1	30.0	< 0.1	7.8	7.8	0.2
61	Prickly lettuce	0.5	< 0.1	7.5	< 0.1	1.7	3.2	0.2
62	Goat's-beard	0.5	< 0.1	7.5	< 0.1	0.4	0.4	0.1
63	Broad-leaved plantain	0.5	< 0.1	5.0	< 0.1	0.5	0.8	0.1
64	Corn spurry	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Downy brome	0.2	< 0.1	20.0	< 0.1	4.8	4.8	0.1
66	Witch grass	0.2	< 0.1	10.0	< 0.1	1.4	1.4	0.1
67	Bicknell's geranium	0.2	< 0.1	10.0	< 0.1	1.0	1.0	0.1
68	Striate knotweed	0.2	< 0.1	10.0	< 0.1	0.8	0.8	0.1
69	Common pepper-grass	0.2	< 0.1	10.0	< 0.1	0.8	0.8	0.1
70	Canada fleabane	0.2	< 0.1	10.0	< 0.1	0.6	0.6	0.1
71	Stork's-bill	0.2	< 0.1	10.0	< 0.1	0.6	0.6	0.1
72	White clover	0.2	< 0.1	10.0	< 0.1	0.6	0.6	0.1
73	Low cudweed	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
74	Prostrate pigweed	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
75	Aspen poplar	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
76	Smooth brome	0.2	< 0.1	5.0	< 0.1	0.8	0.8	0.1
77	Spear-leaved goosefoot	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
78	Silverweed	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
79	Caraway	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
80	Rayless aster	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Scentless chamomile	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Field mint	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
83	Tall hedge mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
84	Russian pigweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
85	Scouring-rush	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
86	Wood whitlow-grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
87	Tansy	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
88	Fall rye	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 34. Spring wheat fields in the Aspen Parkland Ecoregion (201 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.7	20.6	40.7	13.2	25.9	483.6	87.7
2	Wild oats	53.2	16.3	30.7	3.1	5.8	71.4	43.2
3	Wild buckwheat	52.2	15.1	29.0	1.6	3.0	26.2	35.6
4	Canada thistle	46.3	8.9	19.2	0.9	2.0	21.4	24.8
5	Lamb's-quarters	16.4	3.1	18.6	0.5	3.0	20.6	9.3
6	Redroot pigweed	13.4	3.1	23.3	0.6	4.3	29.6	9.0
7	Canola (Argentine)	7.0	2.2	31.4	0.6	7.9	41.8	6.3
8	Perennial sow-thistle	14.4	1.2	8.6	0.1	0.8	5.6	5.4
9	Field horsetail	5.5	1.1	20.5	0.6	11.3	93.0	5.1
10	Flax	5.5	1.9	35.0	0.3	6.3	25.8	4.8
11	Cleavers	9.5	1.5	16.1	0.2	1.9	9.4	4.7
12	Barnyard grass	10.0	1.3	13.0	0.2	1.6	6.0	4.5
13	Dandelion	10.9	1.3	12.3	0.1	0.7	2.4	4.5
14	Flixweed	4.0	0.5	13.8	0.7	18.0	141.0	4.5
15	Russian thistle	7.5	1.4	19.3	0.3	3.4	26.0	4.4
16	Shepherd's-purse	8.5	0.9	10.6	0.1	1.4	13.6	3.5
17	Stinkweed	9.0	0.9	9.7	0.1	0.9	6.4	3.5
18	Kochia	5.5	1.3	24.1	0.2	3.3	15.4	3.5
19	Wild mustard	7.0	0.9	13.2	0.2	2.7	24.2	3.5
20	Quack grass	6.0	0.7	12.1	0.1	1.9	5.0	2.7
21	Bluebur	4.5	0.8	17.2	0.2	3.6	20.6	2.6
22	Narrow-leaved hawk's-beard	5.5	0.7	13.6	0.1	1.3	8.6	2.5
23	Hemp-nettle	3.5	0.7	20.0	0.1	3.0	14.2	2.0
24	Foxtail barley	5.0	0.4	7.5	< 0.1	0.6	2.2	1.8
25	Night-flowering catchfly	2.5	0.6	23.0	0.1	3.6	12.0	1.6
26	Round-leaved mallow	2.5	0.5	19.0	< 0.1	1.7	6.6	1.3
27	Spring wheat/durum	2.0	0.5	27.5	0.1	2.6	9.4	1.3
28	Alfalfa	0.5	0.2	35.0	0.2	44.2	44.2	1.2
29	Black medick	1.5	0.5	33.3	0.1	4.7	7.8	1.2
30	Cow cockle	1.5	0.5	36.7	< 0.1	2.8	5.4	1.1
31	Barley	2.5	0.3	11.0	< 0.1	1.5	4.6	1.1
32	Canary grass	1.0	0.3	32.5	0.1	5.8	11.0	0.8
33	Pale smartweed	2.0	0.2	10.0	< 0.1	1.0	1.6	0.8
34	Prostrate knotweed	2.0	0.2	11.3	< 0.1	0.5	0.6	0.8
35	Spiny annual sow-thistle	2.0	0.2	10.0	< 0.1	0.6	1.0	0.8
36	American dragonhead	1.5	0.2	11.7	< 0.1	2.9	7.2	0.7
37	Thyme-leaved spurge	1.0	0.3	32.5	< 0.1	3.0	5.6	0.7
38	Common groundsel	1.5	0.1	8.3	< 0.1	0.9	2.0	0.6
39	Chickweed	1.0	0.1	15.0	< 0.1	3.5	6.8	0.5
40	White cockle	1.5	0.1	8.3	< 0.1	0.3	0.6	0.5
41	American vetch	1.5	0.1	5.0	< 0.1	0.3	0.4	0.5
42	Borage	0.5	0.2	45.0	< 0.1	5.0	5.0	0.5
43	Annual sow-thistle	1.0	0.1	12.5	< 0.1	1.5	2.4	0.4
44	Yellow toadflax	1.0	0.1	12.5	< 0.1	1.5	2.2	0.4
45	Absinth	1.0	0.1	7.5	< 0.1	0.3	0.4	0.3
46	Downy brome	0.5	0.1	20.0	< 0.1	4.8	4.8	0.3
47	Purslane speedwell	1.0	< 0.1	5.0	< 0.1	0.4	0.6	0.3
48	Rose species	1.0	< 0.1	5.0	< 0.1	0.3	0.4	0.3
49	Biennial wormwood	0.5	0.1	20.0	< 0.1	1.6	1.6	0.3
50	Oats	0.5	0.1	15.0	< 0.1	1.6	1.6	0.2
51	White mustard	0.5	0.1	15.0	< 0.1	0.6	0.6	0.2
52	Witch grass	0.5	< 0.1	10.0	< 0.1	1.4	1.4	0.2

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Table 34. Spring wheat fields in the Aspen Parkland Ecoregion (201 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Common pepper-grass	0.5	< 0.1	10.0	< 0.1	0.8	0.8	0.2
54	Aspen poplar	0.5	< 0.1	10.0	< 0.1	0.4	0.4	0.2
55	Goat's-beard	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.2
56	Spear-leaved goosefoot	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.2
57	Scentless chamomile	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
58	Persian dandelion	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Tall hedge mustard	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
60	Wormseed mustard	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
61	Tumble pigweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
62	Scouring-rush	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
63	Corn spurry	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 35. Barley fields in the Aspen Parkland Ecoregion (130 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	40.8	17.6	43.1	11.3	27.8	319.6	50.1
2	Wild oats	53.1	22.2	41.7	8.7	16.3	352.2	49.3
3	Wild buckwheat	54.6	15.9	29.1	2.1	3.8	47.6	28.1
4	Canada thistle	58.5	13.3	22.8	1.6	2.8	29.2	25.7
5	Lamb's-quarters	22.3	4.9	21.9	1.8	8.2	91.4	12.7
6	Spring wheat/durum	18.5	5.5	29.8	1.0	5.2	55.4	10.2
7	Barnyard grass	9.2	3.0	32.9	2.2	24.1	227.8	9.8
8	Russian thistle	13.1	3.5	27.1	1.5	11.2	75.4	9.0
9	Canola (Argentine)	11.5	3.3	28.7	1.2	10.4	92.8	7.8
10	Perennial sow-thistle	19.2	3.5	18.0	0.4	2.1	18.0	7.4
11	Wild mustard	11.5	2.2	19.3	1.1	9.3	96.0	6.7
12	Redroot pigweed	14.6	3.2	22.1	0.5	3.2	11.2	6.5
13	Stinkweed	10.0	2.6	26.2	1.0	9.6	83.0	6.4
14	Dandelion	20.8	2.4	11.7	0.2	0.9	4.4	6.4
15	Flax	6.9	3.7	53.9	0.9	12.4	36.0	6.4
16	Shepherd's-purse	10.0	3.2	31.9	0.6	5.8	17.8	5.9
17	Cleavers	15.4	2.3	15.3	0.3	2.0	9.8	5.6
18	Bluebur	7.7	1.6	20.5	0.5	6.8	43.8	4.0
19	Field horsetail	7.7	1.2	15.5	0.2	2.5	12.6	2.9
20	Narrow-leaved hawk's-beard	9.2	1.0	10.8	0.1	1.2	9.4	2.8
21	Hemp-nettle	7.7	1.0	13.0	0.2	2.0	6.6	2.7
22	Pale smartweed	6.2	0.9	15.0	0.2	3.3	12.0	2.4
23	Kochia	3.1	0.9	30.0	0.3	8.9	31.4	2.0
24	Quack grass	4.6	0.8	17.5	0.1	1.9	5.2	1.7
25	Foxtail barley	4.6	0.6	13.3	0.1	2.5	4.2	1.7
26	Biennial wormwood	5.4	0.5	10.0	0.1	1.1	5.4	1.6
27	Flixweed	6.2	0.3	5.6	0.1	0.9	2.4	1.6
28	Night-flowering catchfly	3.8	0.8	20.0	0.1	2.6	8.0	1.6
29	Thyme-leaved spurge	1.5	0.8	55.0	0.2	10.0	19.4	1.3
30	Chickweed	3.1	0.5	15.0	0.1	4.4	16.4	1.3
31	Oats	1.5	0.7	45.0	0.2	11.2	16.0	1.3
32	Annual sow-thistle	3.8	0.3	8.0	< 0.1	0.6	1.4	1.0
33	Round-leaved mallow	3.8	0.3	8.0	< 0.1	0.4	0.8	1.0
34	Field peas	1.5	0.7	47.5	0.1	3.9	7.6	1.0
35	Coriander	0.8	0.7	85.0	0.1	11.8	11.8	0.9
36	Spiny annual sow-thistle	2.3	0.3	13.3	< 0.1	1.7	4.2	0.8
37	Black medick	2.3	0.2	8.3	0.1	2.9	7.6	0.8
38	Povertyweed	0.8	0.5	60.0	0.1	13.2	13.2	0.8
39	Yellow sweet-clover	1.5	0.4	25.0	< 0.1	2.3	2.6	0.7
40	Pineappleweed	2.3	0.3	11.7	< 0.1	0.5	1.0	0.7
41	Alfalfa	0.8	0.5	65.0	< 0.1	5.6	5.6	0.6
42	Prostrate knotweed	2.3	0.2	8.3	< 0.1	0.5	0.8	0.6
43	Persian darnel	2.3	0.2	6.7	< 0.1	0.7	1.6	0.6
44	American dragonhead	2.3	0.1	5.0	< 0.1	0.5	0.8	0.6
45	Yellow toadflax	2.3	0.1	5.0	< 0.1	0.3	0.4	0.6
46	Purslane speedwell	1.5	0.3	17.5	< 0.1	1.2	1.4	0.6
47	Wormseed mustard	0.8	0.3	40.0	0.1	8.2	8.2	0.5
48	Absinth	0.8	0.3	45.0	< 0.1	6.4	6.4	0.5
49	Yellow foxtail	0.8	0.2	30.0	0.1	7.8	7.8	0.5
50	Prickly lettuce	1.5	0.1	7.5	< 0.1	1.7	3.2	0.5
51	Rose species	1.5	0.1	5.0	< 0.1	1.8	2.8	0.4
52	Broad-leaved plantain	1.5	0.1	5.0	< 0.1	0.5	0.8	0.4

(Table continued on next page)

Table 35. Barley fields in the Aspen Parkland Ecoregion (130 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	American vetch	1.5	0.1	5.0	< 0.1	0.5	0.8	0.4
54	Barley	0.8	0.1	15.0	< 0.1	1.4	1.4	0.3
55	Bicknell's geranium	0.8	0.1	10.0	< 0.1	1.0	1.0	0.2
56	Canada fleabane	0.8	0.1	10.0	< 0.1	0.6	0.6	0.2
57	Stork's-bill	0.8	0.1	10.0	< 0.1	0.6	0.6	0.2
58	White cockle	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
59	Low cudweed	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
60	Goat's-beard	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
61	Prostrate pigweed	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
62	Caraway	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2
63	Field mint	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
64	Russian pigweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
65	Corn spurry	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
66	Wood whitlow-grass	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
67	Fall rye	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 36. Durum fields in the Aspen Parkland Ecoregion (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.0	12.5	25.0	6.8	13.7	71.6	83.0
2	Canada thistle	50.0	9.2	18.3	0.8	1.6	5.4	32.2
3	Wild oats	25.0	7.5	30.0	0.9	3.7	9.4	24.3
4	Russian thistle	33.3	5.8	17.5	0.8	2.3	7.8	22.8
5	Wild buckwheat	33.3	6.7	20.0	0.5	1.5	4.8	22.0
6	Cleavers	8.3	5.4	65.0	0.8	9.6	9.6	16.1
7	Flax	16.7	3.3	20.0	0.4	2.3	3.8	12.1
8	Barnyard grass	16.7	2.9	17.5	0.2	1.4	2.4	10.3
9	Kochia	8.3	2.5	30.0	0.6	6.6	6.6	10.0
10	Round-leaved mallow	16.7	2.1	12.5	0.3	1.5	2.8	9.3
11	Wild mustard	16.7	2.5	15.0	0.2	1.0	1.6	9.2
12	Bluebur	8.3	1.7	20.0	0.5	6.4	6.4	8.6
13	Redroot pigweed	16.7	1.3	7.5	0.1	0.3	0.4	6.5
14	Lamb's-quarters	16.7	0.8	5.0	< 0.1	0.2	0.2	5.8
15	Flixweed	8.3	1.3	15.0	0.1	0.8	0.8	4.5
16	Quack grass	8.3	0.4	5.0	0.2	2.4	2.4	4.3
17	Foxtail barley	8.3	0.8	10.0	< 0.1	0.4	0.4	3.6
18	Spring wheat/durum	8.3	0.8	10.0	< 0.1	0.4	0.4	3.6
19	Night-flowering catchfly	8.3	0.4	5.0	< 0.1	0.2	0.2	2.9
20	Dandelion	8.3	0.4	5.0	< 0.1	0.2	0.2	2.9
21	Thyme-leaved spurge	8.3	0.4	5.0	< 0.1	0.2	0.2	2.9
22	Barley	8.3	0.4	5.0	< 0.1	0.2	0.2	2.9

Table 37. Oat fields in the Aspen Parkland Ecoregion (71 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	70.4	34.6	49.1	31.1	44.1	236.8	92.3
2	Lamb's-quarters	31.0	10.6	34.3	9.0	29.0	564.4	29.2
3	Wild buckwheat	57.7	15.4	26.6	1.5	2.6	29.0	25.2
4	Canada thistle	59.2	11.6	19.6	1.1	1.9	8.6	22.1
5	Wild oats	25.4	9.2	36.4	2.2	8.7	75.8	15.6
6	Redroot pigweed	19.7	6.8	34.6	3.3	16.7	168.2	14.5
7	Barnyard grass	16.9	4.2	24.6	1.1	6.2	38.0	8.2
8	Dandelion	19.7	4.3	21.8	0.6	2.8	21.8	8.0
9	Flax	5.6	2.7	48.8	2.4	42.6	161.6	7.2
10	Spring wheat/durum	12.7	3.8	30.0	0.7	5.8	31.8	6.6
11	Wild mustard	16.9	2.7	16.3	0.5	2.8	15.2	6.2
12	Flixweed	5.6	1.8	32.5	1.9	33.8	133.2	5.7
13	Russian thistle	15.5	1.9	12.3	0.3	2.0	8.0	5.0
14	Perennial sow-thistle	12.7	2.3	18.3	0.2	1.7	8.4	4.6
15	Barley	9.9	2.9	29.3	0.3	2.6	4.0	4.5
16	Stinkweed	12.7	2.2	17.2	0.2	1.7	9.2	4.5
17	Bluebur	12.7	2.0	15.6	0.1	1.2	4.6	4.2
18	Cleavers	8.5	1.8	21.7	0.1	1.7	3.8	3.3
19	Field horsetail	7.0	1.2	17.0	0.3	4.0	13.8	2.8
20	Night-flowering catchfly	7.0	1.3	19.0	0.2	2.5	5.6	2.7
21	Shepherd's-purse	8.5	0.8	9.2	0.1	1.6	7.2	2.5
22	Pale smartweed	5.6	1.4	25.0	0.2	3.0	5.8	2.4
23	Round-leaved mallow	5.6	0.8	13.8	0.2	3.3	11.0	2.0
24	Kochia	4.2	1.1	26.7	0.1	1.5	2.6	1.8
25	Chickweed	4.2	0.7	16.7	0.2	5.6	16.4	1.8
26	Canola (Argentine)	7.0	0.4	6.0	< 0.1	0.4	1.2	1.7
27	Prostrate knotweed	5.6	0.6	10.0	0.1	0.9	1.6	1.6
28	Biennial wormwood	4.2	0.7	16.7	0.1	1.3	3.2	1.4
29	Persian darnel	1.4	0.4	30.0	0.3	22.4	22.4	1.1
30	Spiny annual sow-thistle	2.8	0.6	20.0	0.1	2.2	4.2	1.1
31	Wild tomato	2.8	0.5	17.5	0.1	1.8	2.6	1.0
32	White mustard	1.4	0.7	50.0	0.1	5.0	5.0	0.9
33	Rose species	2.8	0.3	10.0	< 0.1	0.8	1.0	0.8
34	Foxtail barley	2.8	0.2	7.5	< 0.1	0.4	0.6	0.7
35	Annual sow-thistle	2.8	0.2	7.5	< 0.1	0.3	0.4	0.7
36	Canary grass	1.4	0.4	30.0	< 0.1	3.0	3.0	0.7
37	Cow cockle	1.4	0.4	30.0	< 0.1	2.2	2.2	0.6
38	Tumble pigweed	1.4	0.4	25.0	< 0.1	1.8	1.8	0.6
39	Common groundsel	1.4	0.2	15.0	< 0.1	1.6	1.6	0.5
40	Hemp-nettle	1.4	0.2	15.0	< 0.1	1.6	1.6	0.5
41	Striate knotweed	1.4	0.1	10.0	< 0.1	0.8	0.8	0.4
42	Narrow-leaved hawk's-beard	1.4	0.1	10.0	< 0.1	0.6	0.6	0.4
43	White clover	1.4	0.1	10.0	< 0.1	0.6	0.6	0.4
44	Smooth brome	1.4	0.1	5.0	< 0.1	0.8	0.8	0.3
45	Yellow toadflax	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
46	Silverweed	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
47	Rayless aster	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
48	American dragonhead	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Quack grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Tansy	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3



Table 38. Oilseed fields in the Aspen Parkland Ecoregion (199 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	46.2	16.8	36.4	9.2	19.8	237.0	56.0
2	Wild oats	57.3	21.9	38.3	5.6	9.9	148.4	49.7
3	Wild buckwheat	59.8	16.2	27.1	1.5	2.5	21.8	30.4
4	Lamb's-quarters	39.2	9.2	23.5	2.5	6.4	204.6	24.3
5	Spring wheat/durum	21.6	7.9	36.7	2.6	12.1	95.0	20.2
6	Canada thistle	45.7	8.7	19.1	1.0	2.2	22.0	19.8
7	Stinkweed	19.1	3.3	17.4	1.1	5.8	159.6	10.4
8	Redroot pigweed	16.6	2.5	15.3	0.4	2.7	27.6	6.9
9	Perennial sow-thistle	16.6	2.6	15.5	0.2	1.5	21.8	6.2
10	Cleavers	15.1	2.3	15.0	0.2	1.6	12.8	5.7
11	Russian thistle	12.1	2.5	21.0	0.3	2.3	11.6	5.5
12	Wild mustard	10.1	2.6	25.8	0.3	3.0	20.8	5.2
13	Shepherd's-purse	14.1	1.8	13.0	0.2	1.3	8.0	4.9
14	Barnyard grass	12.6	2.0	15.6	0.2	1.5	10.0	4.8
15	Dandelion	12.1	1.7	14.0	0.1	0.8	4.2	4.1
16	Narrow-leaved hawk's-beard	8.0	1.7	20.9	0.3	3.4	17.0	3.9
17	Field horsetail	8.5	1.0	11.5	0.1	1.7	5.0	3.0
18	Pale smartweed	8.5	0.9	10.6	0.1	1.3	7.0	2.8
19	Kochia	5.5	1.2	21.8	0.2	3.5	22.2	2.8
20	Round-leaved mallow	7.0	1.1	15.4	0.1	1.5	8.4	2.6
21	Barley	6.5	1.0	15.4	0.1	2.3	8.2	2.6
22	Night-flowering catchfly	7.0	1.0	14.3	0.1	1.6	5.4	2.6
23	Bluebur	7.5	0.9	12.0	0.1	1.1	4.0	2.5
24	Flax	4.0	0.9	21.3	0.1	3.0	11.6	1.9
25	Hemp-nettle	5.5	0.6	10.5	< 0.1	0.9	3.0	1.7
26	Yellow sweet-clover	2.0	0.7	35.0	0.1	6.3	16.2	1.4
27	Prostrate knotweed	4.0	0.4	10.6	< 0.1	1.0	3.6	1.3
28	Quack grass	2.5	0.5	18.0	0.1	3.9	13.2	1.2
29	Spiny annual sow-thistle	3.5	0.5	12.9	< 0.1	0.9	1.8	1.2
30	Flixweed	4.0	0.4	8.8	< 0.1	0.6	2.6	1.1
31	Chickweed	1.5	0.5	35.0	0.1	6.4	17.0	1.1
32	Black medick	2.0	0.4	17.5	0.1	3.1	6.0	0.9
33	Thyme-leaved spurge	2.0	0.3	15.0	0.1	2.8	8.0	0.8
34	Biennial wormwood	2.5	0.2	7.0	< 0.1	1.1	3.6	0.7
35	Persian darnel	2.0	0.2	11.3	< 0.1	1.8	3.8	0.7
36	Wormseed mustard	2.0	0.2	8.8	< 0.1	1.3	4.4	0.6
37	Stork's-bill	1.0	0.3	30.0	< 0.1	4.4	6.8	0.6
38	Oats	1.0	0.3	25.0	0.1	5.4	10.6	0.6
39	Wild tomato	2.0	0.2	10.0	< 0.1	0.6	1.2	0.6
40	Common groundsel	2.0	0.2	8.8	< 0.1	0.4	0.6	0.6
41	Annual sow-thistle	1.5	0.2	13.3	< 0.1	1.8	3.4	0.6
42	White cockle	1.5	0.2	11.7	< 0.1	0.7	1.4	0.5
43	Prostrate pigweed	1.5	0.1	8.3	< 0.1	0.8	1.6	0.4
44	Rose species	1.5	0.1	6.7	< 0.1	0.9	1.6	0.4
45	Cocklebur	0.5	0.2	45.0	< 0.1	4.4	4.4	0.4
46	Dog mustard	0.5	0.1	20.0	< 0.1	8.0	8.0	0.3
47	Canola (Argentine)	1.0	0.1	10.0	< 0.1	0.4	0.6	0.3
48	Field peas	1.0	0.1	7.5	< 0.1	0.9	1.6	0.3
49	Yellow toadflax	1.0	0.1	7.5	< 0.1	0.8	0.8	0.3
50	Scentless chamomile	0.5	0.2	35.0	< 0.1	1.8	1.8	0.3
51	Maple-leaved goosefoot	1.0	0.1	7.5	< 0.1	0.5	0.6	0.3
52	Red clover	0.5	0.2	30.0	< 0.1	1.4	1.4	0.2

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Table 38. Oilseed fields in the Aspen Parkland Ecoregion (199 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Povertyweed	0.5	0.1	20.0	< 0.1	0.8	0.8	0.2
54	American dragonhead	0.5	0.1	15.0	< 0.1	1.4	1.4	0.2
55	Bicknell's geranium	0.5	0.1	15.0	< 0.1	1.0	1.0	0.2
56	American vetch	0.5	0.1	10.0	< 0.1	0.4	0.4	0.1
57	Toad rush	0.5	< 0.1	5.0	< 0.1	0.8	0.8	0.1
58	Broad-leaved plantain	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
59	Tansy	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
60	White clover	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
61	Rough cinquefoil	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
62	Low cudweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Slough grass	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Striate knotweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Alfalfa	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 39. Canola fields in the Aspen Parkland Ecoregion (148 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	61.5	23.6	38.4	6.8	11.0	148.4	55.9
2	Green foxtail	43.2	15.3	35.3	8.0	18.4	237.0	49.7
3	Wild buckwheat	64.2	16.3	25.4	1.6	2.4	21.8	31.5
4	Lamb's-quarters	42.6	10.1	23.8	3.1	7.3	204.6	27.7
5	Canada thistle	48.6	8.5	17.6	0.9	1.9	18.2	19.8
6	Spring wheat/durum	19.6	7.6	38.6	2.3	11.8	88.6	18.4
7	Stinkweed	19.6	3.4	17.4	1.4	7.0	159.6	11.5
8	Cleavers	18.2	2.9	15.7	0.3	1.7	12.8	7.0
9	Perennial sow-thistle	18.9	2.6	13.6	0.2	0.9	5.2	6.3
10	Shepherd's-purse	16.2	2.0	12.1	0.2	1.2	8.0	5.4
11	Russian thistle	12.2	2.2	17.8	0.2	1.8	8.6	4.9
12	Redroot pigweed	11.5	1.5	13.2	0.3	2.6	27.0	4.5
13	Narrow-leaved hawk's-beard	9.5	1.9	20.0	0.3	3.2	17.0	4.5
14	Dandelion	12.2	1.5	12.2	0.1	0.7	2.2	3.8
15	Field horsetail	10.8	1.3	11.6	0.2	1.8	5.0	3.8
16	Wild mustard	7.4	1.7	22.7	0.2	2.2	8.6	3.4
17	Round-leaved mallow	8.8	1.3	14.2	0.1	1.4	8.4	3.1
18	Barnyard grass	8.8	1.1	12.7	0.1	1.4	10.0	3.0
19	Kochia	4.7	1.1	24.3	0.2	4.7	22.2	2.7
20	Flax	4.7	1.1	23.6	0.2	3.4	11.6	2.4
21	Barley	6.8	0.9	13.5	0.1	1.3	3.8	2.4
22	Night-flowering catchfly	6.8	0.8	12.0	0.1	1.4	5.4	2.3
23	Pale smartweed	7.4	0.7	9.5	0.1	1.1	7.0	2.3
24	Hemp-nettle	6.8	0.7	10.5	0.1	0.9	3.0	2.1
25	Bluebur	6.1	0.8	12.8	0.1	1.2	4.0	2.1
26	Prostrate knotweed	5.4	0.6	10.6	0.1	1.0	3.6	1.7
27	Spiny annual sow-thistle	4.7	0.6	12.9	< 0.1	0.9	1.8	1.6
28	Quack grass	1.4	0.5	37.5	0.1	7.7	13.2	1.1
29	Black medick	2.0	0.4	21.7	0.1	4.0	6.0	1.0
30	Flixweed	4.1	0.3	6.7	< 0.1	0.3	0.6	1.0
31	Biennial wormwood	3.4	0.2	7.0	< 0.1	1.1	3.6	1.0
32	Yellow sweet-clover	1.4	0.5	37.5	0.1	4.3	8.2	0.9
33	Stork's-bill	1.4	0.4	30.0	0.1	4.4	6.8	0.8
34	Oats	1.4	0.3	25.0	0.1	5.4	10.6	0.8
35	Wild tomato	2.7	0.3	10.0	< 0.1	0.6	1.2	0.8
36	Common groundsel	2.7	0.2	8.8	< 0.1	0.4	0.6	0.7
37	Annual sow-thistle	2.0	0.3	13.3	< 0.1	1.8	3.4	0.7
38	Thyme-leaved spurge	1.4	0.2	17.5	0.1	4.6	8.0	0.7
39	Wormseed mustard	2.0	0.2	10.0	< 0.1	1.6	4.4	0.7
40	White cockle	2.0	0.2	11.7	< 0.1	0.7	1.4	0.6
41	Prostrate pigweed	2.0	0.2	8.3	< 0.1	0.8	1.6	0.6
42	Persian darnel	2.0	0.1	6.7	< 0.1	1.1	2.4	0.6
43	Rose species	2.0	0.1	6.7	< 0.1	0.9	1.6	0.6
44	Chickweed	1.4	0.2	12.5	< 0.1	1.1	2.0	0.5
45	Dog mustard	0.7	0.1	20.0	0.1	8.0	8.0	0.4
46	Field peas	1.4	0.1	7.5	< 0.1	0.9	1.6	0.4
47	Maple-leaved goosefoot	1.4	0.1	7.5	< 0.1	0.5	0.6	0.4
48	Povertyweed	0.7	0.1	20.0	< 0.1	0.8	0.8	0.3
49	American dragonhead	0.7	0.1	15.0	< 0.1	1.4	1.4	0.2
50	Bicknell's geranium	0.7	0.1	15.0	< 0.1	1.0	1.0	0.2
51	Yellow toadflax	0.7	< 0.1	5.0	< 0.1	0.8	0.8	0.2
52	Broad-leaved plantain	0.7	< 0.1	5.0	< 0.1	0.4	0.4	0.2

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Table 39. Canola fields in the Aspen Parkland Ecoregion (148 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Tansy	0.7	< 0.1	5.0	< 0.1	0.4	0.4	0.2
54	White clover	0.7	< 0.1	5.0	< 0.1	0.4	0.4	0.2
55	Rough cinquefoil	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
56	Low cudweed	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
57	Slough grass	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
58	Striate knotweed	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Alfalfa	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 40. Flax fields in the Aspen Parkland Ecoregion (39 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	56.4	23.6	41.8	15.6	27.7	139.0	84.8
2	Wild oats	41.0	15.9	38.8	2.2	5.3	17.4	29.9
3	Spring wheat/durum	28.2	9.2	32.7	4.3	15.1	95.0	28.3
4	Wild buckwheat	46.2	13.5	29.2	1.0	2.2	6.0	25.0
5	Redroot pigweed	35.9	6.5	18.2	1.0	2.9	27.6	17.0
6	Canada thistle	28.2	6.2	21.8	0.8	2.8	13.8	14.1
7	Wild mustard	23.1	6.8	29.4	0.9	4.0	20.8	14.0
8	Barnyard grass	28.2	5.5	19.5	0.5	1.7	4.0	12.5
9	Lamb's-quarters	20.5	4.9	23.8	0.4	1.9	6.8	10.0
10	Pale smartweed	12.8	1.8	14.0	0.3	2.0	4.8	5.2
11	Dandelion	10.3	2.3	22.5	0.2	1.8	4.2	4.9
12	Night-flowering catchfly	10.3	2.1	20.0	0.2	2.3	3.8	4.8
13	Barley	7.7	1.7	21.7	0.4	5.7	8.2	4.6
14	Bluebur	12.8	1.4	11.0	0.1	1.1	3.6	4.5
15	Chickweed	2.6	2.1	80.0	0.4	17.0	17.0	3.8
16	Kochia	7.7	1.7	21.7	0.1	1.6	4.2	3.5
17	Yellow sweet-clover	2.6	1.5	60.0	0.4	16.2	16.2	3.3
18	Stinkweed	10.3	0.6	6.3	< 0.1	0.4	0.6	2.9
19	Shepherd's-purse	5.1	1.5	30.0	0.1	2.3	4.4	2.8
20	Flixweed	5.1	0.8	15.0	0.1	1.4	2.6	2.0
21	Narrow-leaved hawk's-beard	2.6	1.0	40.0	0.2	6.4	6.4	2.0
22	Cocklebur	2.6	1.2	45.0	0.1	4.4	4.4	1.9
23	Russian thistle	5.1	0.6	12.5	0.1	1.0	1.0	1.9
24	Thyme-leaved spurge	5.1	0.6	12.5	< 0.1	0.9	1.6	1.8
25	Perennial sow-thistle	5.1	0.5	10.0	< 0.1	0.5	0.6	1.7
26	Quack grass	5.1	0.3	5.0	0.1	1.7	2.6	1.6
27	Round-leaved mallow	2.6	0.8	30.0	0.1	3.6	3.6	1.5
28	Cleavers	5.1	0.3	5.0	< 0.1	0.9	1.6	1.5
29	Persian darnel	2.6	0.6	25.0	0.1	3.8	3.8	1.4
30	Red clover	2.6	0.8	30.0	< 0.1	1.4	1.4	1.3
31	Field horsetail	2.6	0.3	10.0	< 0.1	0.8	0.8	0.9
32	Hemp-nettle	2.6	0.3	10.0	< 0.1	0.6	0.6	0.8
33	Toad rush	2.6	0.1	5.0	< 0.1	0.8	0.8	0.7
34	Black medick	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
35	Wormseed mustard	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
36	Flax	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
37	Canola (Argentine)	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 41. Mustard fields in the Aspen Parkland Ecoregion (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	58.3	21.3	36.4	3.0	5.1	17.8	39.7
2	Canada thistle	66.7	19.2	28.8	2.8	4.2	22.0	39.1
3	Wild buckwheat	50.0	24.2	48.3	1.9	3.8	9.8	34.9
4	Green foxtail	50.0	14.2	28.3	2.8	5.6	27.0	32.7
5	Lamb's-quarters	58.3	12.1	20.7	1.9	3.3	20.4	28.2
6	Russian thistle	33.3	13.3	40.0	1.8	5.3	11.6	23.8
7	Stinkweed	41.7	10.8	26.0	1.2	2.8	7.0	20.6
8	Perennial sow-thistle	25.0	9.2	36.7	1.9	7.5	21.8	20.1
9	Spring wheat/durum	25.0	8.3	33.3	1.0	3.8	6.4	14.9
10	Redroot pigweed	16.7	2.1	12.5	0.4	2.5	4.8	6.5
11	Dandelion	16.7	2.1	12.5	0.1	0.5	0.6	4.8
12	Shepherd's-purse	16.7	1.3	7.5	0.2	1.1	1.4	4.8
13	Scentsless chamomile	8.3	2.9	35.0	0.2	1.8	1.8	4.2
14	Narrow-leaved hawk's-beard	8.3	1.3	15.0	0.2	2.6	2.6	3.4
15	Cleavers	8.3	1.3	15.0	0.1	0.8	0.8	2.7
16	Canola (Argentine)	8.3	1.3	15.0	0.1	0.6	0.6	2.6
17	Barnyard grass	8.3	0.8	10.0	0.1	1.0	1.0	2.5
18	Yellow toadflax	8.3	0.8	10.0	0.1	0.8	0.8	2.4
19	Bluebur	8.3	0.8	10.0	< 0.1	0.4	0.4	2.2
20	American vetch	8.3	0.8	10.0	< 0.1	0.4	0.4	2.2
21	Quack grass	8.3	0.4	5.0	0.1	0.6	0.6	2.0
22	Kochia	8.3	0.4	5.0	< 0.1	0.2	0.2	1.9
23	Pale smartweed	8.3	0.4	5.0	< 0.1	0.2	0.2	1.9
24	Yellow sweet-clover	8.3	0.4	5.0	< 0.1	0.2	0.2	1.9

Table 42. Pulse fields in the Aspen Parkland Ecoregion (36 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	66.7	27.5	41.3	6.1	9.1	35.8	56.8
2	Green foxtail	36.1	12.1	33.5	4.9	13.6	63.0	35.8
3	Wild buckwheat	66.7	16.1	24.2	2.4	3.5	43.2	32.4
4	Canada thistle	52.8	11.4	21.6	1.2	2.3	8.8	21.7
5	Spring wheat/durum	36.1	9.7	26.9	1.3	3.6	10.2	18.4
6	Lamb's-quarters	36.1	8.3	23.1	0.8	2.3	9.4	15.3
7	Perennial sow-thistle	33.3	3.9	11.7	0.6	1.7	8.6	10.5
8	Stinkweed	22.2	4.9	21.9	0.6	2.6	7.2	9.5
9	Narrow-leaved hawk's-beard	16.7	4.0	24.2	0.6	3.4	8.6	8.0
10	Russian thistle	5.6	3.6	65.0	0.6	9.9	11.8	5.9
11	Dandelion	16.7	2.8	16.7	0.2	1.0	4.2	5.4
12	Canola (Argentine)	16.7	2.2	13.3	0.2	1.2	4.2	5.1
13	Quack grass	13.9	1.5	11.0	0.4	2.7	11.4	4.9
14	Shepherd's-purse	13.9	2.6	19.0	0.2	1.2	2.6	4.8
15	Spiny annual sow-thistle	13.9	1.8	13.0	0.2	1.2	2.8	4.2
16	Flax	5.6	1.5	27.5	0.5	9.3	18.4	4.2
17	Wild mustard	16.7	1.5	9.2	0.1	0.6	2.0	4.2
18	Chickweed	5.6	1.8	32.5	0.4	7.9	15.0	4.1
19	Biennial wormwood	13.9	1.5	11.0	0.1	0.8	2.4	3.8
20	Bluebur	13.9	1.4	10.0	0.1	1.0	3.0	3.8
21	Barnyard grass	13.9	1.3	9.0	0.1	0.5	1.0	3.4
22	Round-leaved mallow	8.3	1.5	18.3	0.1	0.8	1.4	2.7
23	Hemp-nettle	5.6	1.1	20.0	0.2	4.2	7.2	2.7
24	Smooth brome	5.6	1.4	25.0	0.1	2.6	3.6	2.5
25	Annual sow-thistle	5.6	1.5	27.5	0.1	2.1	2.8	2.5
26	Pale smartweed	8.3	0.8	10.0	0.1	1.5	2.4	2.4
27	Barley	8.3	1.0	11.7	0.1	0.8	1.2	2.3
28	Persian darnel	8.3	0.7	8.3	0.1	1.3	3.0	2.3
29	Black medick	5.6	1.0	17.5	0.2	2.7	4.2	2.2
30	Prostrate knotweed	5.6	1.3	22.5	0.1	1.2	1.6	2.1
31	Downy brome	2.8	1.3	45.0	0.1	4.6	4.6	1.9
32	Cleavers	5.6	0.7	12.5	< 0.1	0.8	1.2	1.6
33	Flixweed	5.6	0.7	12.5	< 0.1	0.6	1.0	1.5
34	Night-flowering catchfly	2.8	0.8	30.0	0.1	2.0	2.0	1.3
35	Purslane speedwell	5.6	0.3	5.0	< 0.1	0.4	0.6	1.2
36	Redroot pigweed	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
37	Dog mustard	2.8	0.6	20.0	< 0.1	0.8	0.8	0.9
38	Thyme-leaved spurge	2.8	0.4	15.0	< 0.1	0.8	0.8	0.8
39	Pineappleweed	2.8	0.3	10.0	< 0.1	1.2	1.2	0.8
40	American vetch	2.8	0.3	10.0	< 0.1	1.2	1.2	0.8
41	Canary grass	2.8	0.3	10.0	< 0.1	0.6	0.6	0.7
42	Spear-leaved goosefoot	2.8	0.1	5.0	< 0.1	0.4	0.4	0.6
43	Scentless chamomile	2.8	0.1	5.0	< 0.1	0.2	0.2	0.6
44	Cow cockle	2.8	0.1	5.0	< 0.1	0.2	0.2	0.6
45	White cockle	2.8	0.1	5.0	< 0.1	0.2	0.2	0.6
46	Kochia	2.8	0.1	5.0	< 0.1	0.2	0.2	0.6
47	Prickly lettuce	2.8	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 43. Pea fields in the Aspen Parkland Ecoregion (33 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	69.7	29.7	42.6	6.6	9.5	35.8	57.7
2	Green foxtail	36.4	12.9	35.4	5.2	14.4	63.0	35.5
3	Wild buckwheat	63.6	16.4	25.7	2.5	4.0	43.2	31.1
4	Canada thistle	54.5	12.1	22.2	1.3	2.3	8.8	21.8
5	Spring wheat/durum	36.4	10.0	27.5	1.4	3.8	10.2	18.0
6	Lamb's-quarters	36.4	8.8	24.2	0.9	2.5	9.4	15.2
7	Perennial sow-thistle	36.4	4.2	11.7	0.6	1.7	8.6	11.0
8	Stinkweed	24.2	5.3	21.9	0.6	2.6	7.2	9.8
9	Narrow-leaved hawk's-beard	18.2	4.4	24.2	0.6	3.4	8.6	8.3
10	Russian thistle	6.1	3.9	65.0	0.6	9.9	11.8	6.0
11	Dandelion	18.2	3.0	16.7	0.2	1.0	4.2	5.6
12	Canola (Argentine)	18.2	2.4	13.3	0.2	1.2	4.2	5.4
13	Shepherd's-purse	15.2	2.9	19.0	0.2	1.2	2.6	5.0
14	Quack grass	12.1	1.5	12.5	0.4	3.4	11.4	4.5
15	Spiny annual sow-thistle	15.2	2.0	13.0	0.2	1.2	2.8	4.4
16	Flax	6.1	1.7	27.5	0.6	9.3	18.4	4.3
17	Chickweed	6.1	2.0	32.5	0.5	7.9	15.0	4.2
18	Biennial wormwood	15.2	1.7	11.0	0.1	0.8	2.4	4.0
19	Bluebur	15.2	1.5	10.0	0.2	1.0	3.0	4.0
20	Wild mustard	15.2	1.5	10.0	0.1	0.7	2.0	3.8
21	Barnyard grass	15.2	1.4	9.0	0.1	0.5	1.0	3.6
22	Round-leaved mallow	9.1	1.7	18.3	0.1	0.8	1.4	2.8
23	Hemp-nettle	6.1	1.2	20.0	0.3	4.2	7.2	2.8
24	Smooth brome	6.1	1.5	25.0	0.2	2.6	3.6	2.6
25	Annual sow-thistle	6.1	1.7	27.5	0.1	2.1	2.8	2.6
26	Pale smartweed	9.1	0.9	10.0	0.1	1.5	2.4	2.6
27	Barley	9.1	1.1	11.7	0.1	0.8	1.2	2.4
28	Persian darnel	9.1	0.8	8.3	0.1	1.3	3.0	2.4
29	Black medick	6.1	1.1	17.5	0.2	2.7	4.2	2.3
30	Prostrate knotweed	6.1	1.4	22.5	0.1	1.2	1.6	2.2
31	Downy brome	3.0	1.4	45.0	0.1	4.6	4.6	2.0
32	Cleavers	6.1	0.8	12.5	< 0.1	0.8	1.2	1.6
33	Flixweed	6.1	0.8	12.5	< 0.1	0.6	1.0	1.6
34	Night-flowering catchfly	3.0	0.9	30.0	0.1	2.0	2.0	1.3
35	Redroot pigweed	6.1	0.3	5.0	< 0.1	0.2	0.2	1.2
36	Dog mustard	3.0	0.6	20.0	< 0.1	0.8	0.8	1.0
37	Pineappleweed	3.0	0.3	10.0	< 0.1	1.2	1.2	0.8
38	American vetch	3.0	0.3	10.0	< 0.1	1.2	1.2	0.8
39	Spear-leaved goosefoot	3.0	0.2	5.0	< 0.1	0.4	0.4	0.6
40	Scentless chamomile	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
41	Cow cockle	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
42	White cockle	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
43	Kochia	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
44	Purslane speedwell	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6



Table 44. All fields in the Moist Mixed Grassland Ecoregion (586 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	46.6	20.0	42.9	11.3	24.2	568.4	88.0
2	Wild oats	43.9	14.6	33.2	2.9	6.6	157.8	42.7
3	Wild buckwheat	42.5	9.2	21.6	0.8	1.9	39.2	26.5
4	Kochia	24.1	6.1	25.2	1.3	5.3	181.4	19.8
5	Canada thistle	29.4	5.2	17.8	0.5	1.8	16.4	17.0
6	Redroot pigweed	19.5	4.2	21.8	1.0	4.9	179.2	14.9
7	Stinkweed	17.9	3.5	19.8	0.7	4.0	117.4	12.5
8	Russian thistle	13.8	3.8	27.8	0.6	4.7	58.8	11.4
9	Lamb's-quarters	12.5	3.1	25.2	0.6	4.5	113.2	9.8
10	Barnyard grass	9.4	1.9	19.8	0.3	3.0	39.6	6.2
11	Flax	3.6	1.7	47.4	0.4	11.8	49.6	4.9
12	Spring wheat/durum	6.3	1.2	18.2	0.2	2.8	24.4	4.0
13	Wild mustard	5.3	1.2	21.8	0.1	2.2	26.8	3.4
14	Dandelion	6.0	1.0	17.1	0.1	1.1	6.4	3.2
15	Canola (Argentine)	4.4	0.7	16.3	0.2	4.6	84.6	3.0
16	Foxtail barley	4.9	0.6	11.7	< 0.1	0.9	7.0	2.3
17	Flixweed	4.6	0.6	13.7	< 0.1	0.9	3.8	2.2
18	Perennial sow-thistle	4.6	0.4	9.1	< 0.1	0.6	2.2	1.9
19	Thyme-leaved spurge	4.1	0.4	10.6	< 0.1	0.6	3.2	1.8
20	Round-leaved mallow	3.6	0.5	13.1	< 0.1	1.0	5.2	1.8
21	Shepherd's-purse	2.4	0.5	22.9	0.1	3.9	12.4	1.7
22	Oats	0.3	0.3	85.0	0.3	73.6	104.4	1.6
23	Lentils	1.9	0.7	35.0	< 0.1	2.6	7.2	1.5
24	Cow cockle	2.4	0.4	16.8	< 0.1	1.6	8.2	1.3
25	Common pepper-grass	2.4	0.3	13.2	< 0.1	1.8	19.8	1.3
26	Biennial wormwood	2.7	0.3	10.0	< 0.1	0.8	5.6	1.2
27	Bluebur	1.7	0.3	17.0	< 0.1	1.8	9.2	1.0
28	Field horsetail	1.4	0.3	21.3	< 0.1	3.1	10.4	0.9
29	Prickly lettuce	2.0	0.2	9.6	< 0.1	0.7	1.8	0.9
30	Narrow-leaved hawk's-beard	1.7	0.2	13.0	< 0.1	1.4	7.4	0.9
31	Rose species	1.5	0.2	12.2	< 0.1	2.2	9.0	0.8
32	Cleavers	1.2	0.3	21.4	< 0.1	1.4	3.0	0.7
33	Persian darnel	1.0	0.2	22.5	< 0.1	2.3	6.6	0.7
34	Canada fleabane	1.0	0.2	21.7	< 0.1	1.1	2.8	0.6
35	Prostrate pigweed	1.4	0.1	9.4	< 0.1	0.5	1.0	0.6
36	Pale smartweed	1.4	0.1	8.8	< 0.1	0.6	1.6	0.6
37	Scouring-rush	1.0	0.2	15.0	< 0.1	1.9	4.0	0.6
38	Barley	1.0	0.1	13.3	< 0.1	1.4	4.4	0.5
39	Curled dock	1.0	0.1	12.5	< 0.1	0.9	2.2	0.5
40	Spiny annual sow-thistle	1.0	0.1	10.8	< 0.1	0.9	2.0	0.5
41	American vetch	0.9	0.1	12.0	< 0.1	1.4	2.6	0.4
42	Field peas	0.7	0.1	17.5	< 0.1	1.4	4.6	0.4
43	Yellow sweet-clover	0.3	0.1	35.0	< 0.1	4.4	8.4	0.3
44	Goat's-beard	0.7	0.1	11.3	< 0.1	0.5	0.8	0.3
45	Annual sow-thistle	0.7	0.1	7.5	< 0.1	0.6	1.2	0.3
46	Quack grass	0.5	0.1	11.7	< 0.1	1.1	2.6	0.2
47	Black medick	0.5	0.1	11.7	< 0.1	0.9	2.2	0.2
48	Field bindweed	0.2	0.1	65.0	< 0.1	3.4	3.4	0.2
49	Prostrate knotweed	0.5	< 0.1	6.7	< 0.1	0.3	0.6	0.2
50	White clover	0.3	< 0.1	10.0	< 0.1	3.6	6.6	0.2
51	Sunflower	0.5	< 0.1	6.7	< 0.1	0.3	0.4	0.2
52	Striate knotweed	0.3	< 0.1	10.0	< 0.1	0.6	1.0	0.1

(Table continued on next page)

Table 44. All fields in the Moist Mixed Grassland Ecoregion (586 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Night-flowering catchfly	0.2	0.1	40.0	< 0.1	2.4	2.4	0.1
54	Nodding thistle	0.2	0.1	35.0	< 0.1	2.2	2.2	0.1
55	Pygmyflower	0.2	< 0.1	25.0	< 0.1	3.0	3.0	0.1
56	Dog mustard	0.2	< 0.1	25.0	< 0.1	1.0	1.0	0.1
57	Indian mustard	0.2	< 0.1	20.0	< 0.1	1.4	1.4	0.1
58	False ragweed	0.2	< 0.1	15.0	< 0.1	0.6	0.6	0.1
59	Canary grass	0.2	< 0.1	10.0	< 0.1	1.0	1.0	0.1
60	Alfalfa	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
61	Rough cinquefoil	0.2	< 0.1	5.0	< 0.1	1.6	1.6	0.1
62	Unknown broad-leaved species	0.2	< 0.1	5.0	< 0.1	1.0	1.0	0.1
63	Spear-leaved goosefoot	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
64	Wild tomato	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
65	Broad-leaved plantain	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	Water smartweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Corn spurry	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 45. Cereal fields in the Moist Mixed Grassland Ecoregion (365 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	47.7	21.0	44.1	13.9	29.2	568.4	101.0
2	Wild oats	46.3	14.7	31.8	2.1	4.5	75.6	42.2
3	Wild buckwheat	34.8	7.5	21.5	0.7	2.1	39.2	23.5
4	Kochia	23.0	5.9	25.8	1.7	7.2	181.4	21.8
5	Canada thistle	28.8	5.5	19.0	0.6	2.0	16.4	18.4
6	Redroot pigweed	18.6	4.0	21.3	0.9	5.1	179.2	14.9
7	Russian thistle	12.3	3.4	27.6	0.6	5.2	58.8	10.9
8	Stinkweed	13.2	2.2	17.0	0.4	2.8	31.0	8.5
9	Lamb's-quarters	7.7	2.1	27.7	0.6	7.9	113.2	7.7
10	Barnyard grass	10.1	2.0	19.5	0.3	2.6	30.2	6.8
11	Flax	4.7	1.8	39.7	0.5	10.4	49.6	5.9
12	Canola (Argentine)	5.2	0.8	16.3	0.3	5.4	84.6	3.9
13	Foxtail barley	6.3	0.5	8.7	< 0.1	0.7	5.6	2.9
14	Flixweed	4.9	0.7	14.2	< 0.1	0.9	3.8	2.6
15	Perennial sow-thistle	4.9	0.5	10.3	< 0.1	0.6	2.2	2.3
16	Wild mustard	4.1	0.6	15.3	< 0.1	0.9	2.4	2.2
17	Dandelion	3.8	0.5	13.6	< 0.1	0.9	2.0	2.0
18	Round-leaved mallow	3.8	0.4	11.4	< 0.1	0.8	2.6	1.9
19	Common pepper-grass	2.7	0.4	15.5	0.1	2.3	19.8	1.7
20	Thyme-leaved spurge	3.6	0.3	7.7	< 0.1	0.4	1.6	1.5
21	Bluebur	2.2	0.4	19.4	< 0.1	2.2	9.2	1.4
22	Cow cockle	1.6	0.4	23.3	< 0.1	2.7	8.2	1.2
23	Lentils	1.4	0.5	34.0	< 0.1	2.4	7.2	1.2
24	Spring wheat/durum	1.9	0.2	12.9	< 0.1	1.6	8.8	1.1
25	Shepherd's-purse	1.6	0.2	12.5	< 0.1	1.5	5.6	0.9
26	Persian darnel	1.1	0.3	26.3	< 0.1	3.1	6.6	0.9
27	Oats	0.3	0.2	70.0	0.1	42.8	42.8	0.8
28	Scouring-rush	1.4	0.2	15.0	< 0.1	2.1	4.0	0.8
29	Biennial wormwood	1.6	0.1	8.3	< 0.1	1.1	5.6	0.8
30	Rose species	1.4	0.2	11.0	< 0.1	1.3	4.2	0.7
31	Field horsetail	0.8	0.2	26.7	< 0.1	3.9	10.4	0.7
32	Narrow-leaved hawk's-beard	1.4	0.1	9.0	< 0.1	0.6	1.4	0.6
33	Pale smartweed	1.4	0.1	7.0	< 0.1	0.4	0.8	0.6
34	Yellow sweet-clover	0.5	0.2	35.0	< 0.1	4.4	8.4	0.5
35	Prostrate pigweed	1.1	0.1	8.8	< 0.1	0.5	0.8	0.5
36	Curled dock	0.8	0.1	15.0	< 0.1	1.2	2.2	0.5
37	Barley	0.8	0.1	11.7	< 0.1	1.0	2.6	0.4
38	Prickly lettuce	0.8	0.1	6.7	< 0.1	0.3	0.4	0.3
39	Canada fleabane	0.5	0.1	17.5	< 0.1	1.0	1.0	0.3
40	Field peas	0.3	0.1	50.0	< 0.1	4.6	4.6	0.3
41	Black medick	0.5	0.1	15.0	< 0.1	1.2	2.2	0.3
42	Spiny annual sow-thistle	0.5	0.1	15.0	< 0.1	1.1	2.0	0.3
43	Annual sow-thistle	0.5	0.1	10.0	< 0.1	0.5	0.6	0.3
44	Sunflower	0.5	< 0.1	7.5	< 0.1	0.3	0.4	0.2
45	Cleavers	0.3	0.1	30.0	< 0.1	2.4	2.4	0.2
46	Pygmyflower	0.3	0.1	25.0	< 0.1	3.0	3.0	0.2
47	Indian mustard	0.3	0.1	20.0	< 0.1	1.4	1.4	0.2
48	Canary grass	0.3	< 0.1	10.0	< 0.1	1.0	1.0	0.1
49	Goat's-beard	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
50	Alfalfa	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
51	Rough cinquefoil	0.3	< 0.1	5.0	< 0.1	1.6	1.6	0.1
52	Unknown broad-leaved species	0.3	< 0.1	5.0	< 0.1	1.0	1.0	0.1

(Table continued on next page)

Table 45. Cereal fields in the Moist Mixed Grassland Ecoregion (365 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	White clover	0.3	< 0.1	5.0	< 0.1	0.6	0.6	0.1
54	Spear-leaved goosefoot	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
55	Broad-leaved plantain	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
56	Water smartweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 46. Spring wheat fields in the Moist Mixed Grassland Ecoregion (182 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.5	22.5	44.6	17.2	34.0	568.4	107.0
2	Wild oats	47.3	14.8	31.3	1.9	4.0	33.6	40.6
3	Wild buckwheat	41.8	9.7	23.3	0.8	1.8	11.8	28.4
4	Kochia	18.7	3.8	20.4	2.2	11.8	181.4	18.9
5	Canada thistle	28.6	4.6	16.0	0.4	1.5	9.0	16.6
6	Russian thistle	13.2	4.9	36.9	1.1	8.5	58.8	14.4
7	Lamb's-quarters	8.2	3.0	36.3	1.1	13.8	113.2	10.5
8	Redroot pigweed	13.7	2.6	19.2	0.2	1.7	15.8	8.6
9	Flax	5.5	2.8	51.5	0.8	15.4	49.6	8.4
10	Barnyard grass	9.9	1.7	17.5	0.3	2.8	30.2	6.4
11	Stinkweed	9.9	1.6	16.1	0.3	3.0	31.0	6.3
12	Common pepper-grass	3.8	0.6	16.4	0.1	3.1	19.8	2.5
13	Foxtail barley	4.4	0.5	11.9	< 0.1	1.0	5.6	2.2
14	Flixweed	3.8	0.7	17.1	< 0.1	1.2	3.8	2.2
15	Wild mustard	4.4	0.5	11.9	< 0.1	0.6	2.2	2.2
16	Round-leaved mallow	3.8	0.6	15.7	< 0.1	1.2	2.6	2.2
17	Perennial sow-thistle	3.8	0.4	10.0	< 0.1	0.5	2.0	1.8
18	Persian darnel	2.2	0.6	26.3	0.1	3.1	6.6	1.7
19	Canola (Argentine)	3.3	0.4	11.7	< 0.1	0.8	3.2	1.6
20	Oats	0.5	0.4	70.0	0.2	42.8	42.8	1.5
21	Cow cockle	2.2	0.4	20.0	< 0.1	2.0	6.0	1.4
22	Field horsetail	1.6	0.4	26.7	0.1	3.9	10.4	1.3
23	Narrow-leaved hawk's-beard	2.7	0.2	9.0	< 0.1	0.6	1.4	1.3
24	Dandelion	2.2	0.2	11.3	< 0.1	0.8	1.8	1.1
25	Shepherd's-purse	2.2	0.2	11.3	< 0.1	0.8	2.2	1.1
26	Thyme-leaved spurge	2.2	0.2	11.3	< 0.1	0.8	1.6	1.1
27	Bluebur	1.6	0.3	18.3	< 0.1	1.5	3.4	1.0
28	Curled dock	1.6	0.2	15.0	< 0.1	1.2	2.2	0.9
29	Barley	1.6	0.2	11.7	< 0.1	1.0	2.6	0.8
30	Scouring-rush	1.1	0.3	25.0	< 0.1	2.6	3.8	0.8
31	Yellow sweet-clover	0.5	0.3	60.0	< 0.1	8.4	8.4	0.8
32	Black medick	1.1	0.2	15.0	< 0.1	1.2	2.2	0.6
33	Field peas	0.5	0.3	50.0	< 0.1	4.6	4.6	0.6
34	Sunflower	1.1	0.1	7.5	< 0.1	0.3	0.4	0.5
35	Rose species	1.1	0.1	5.0	< 0.1	0.3	0.4	0.4
36	Cleavers	0.5	0.2	30.0	< 0.1	2.4	2.4	0.4
37	Pygmyflower	0.5	0.1	25.0	< 0.1	3.0	3.0	0.4
38	Canary grass	0.5	0.1	10.0	< 0.1	1.0	1.0	0.3
39	Goat's-beard	0.5	0.1	10.0	< 0.1	0.4	0.4	0.3
40	Annual sow-thistle	0.5	0.1	10.0	< 0.1	0.4	0.4	0.3
41	White clover	0.5	< 0.1	5.0	< 0.1	0.6	0.6	0.2
42	Broad-leaved plantain	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2
43	Pale smartweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 47. Barley fields in the Moist Mixed Grassland Ecoregion (61 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	49.2	18.9	38.3	12.3	24.9	308.6	102.0
2	Wild oats	50.8	12.8	25.2	1.3	2.6	14.8	39.4
3	Wild buckwheat	31.1	5.9	18.9	1.2	3.7	39.2	23.3
4	Canada thistle	26.2	7.4	28.1	0.8	3.0	13.2	21.9
5	Kochia	24.6	7.0	28.3	0.6	2.6	9.8	20.2
6	Redroot pigweed	21.3	3.2	15.0	0.4	1.9	11.2	12.9
7	Canola (Argentine)	6.6	2.3	35.0	1.5	22.3	84.6	12.4
8	Stinkweed	14.8	2.2	15.0	0.5	3.2	25.8	9.9
9	Russian thistle	11.5	1.9	16.4	0.1	0.9	3.4	6.6
10	Barnyard grass	6.6	2.1	32.5	0.3	5.0	16.6	6.5
11	Spring wheat/durum	6.6	1.1	16.3	0.2	2.6	8.8	4.3
12	Lentils	3.3	1.8	55.0	0.1	4.3	7.2	4.1
13	Lamb's-quarters	6.6	1.2	18.8	0.1	1.4	3.2	4.1
14	Flixweed	8.2	0.8	10.0	< 0.1	0.6	1.0	3.9
15	Wild mustard	4.9	1.0	20.0	0.1	1.5	2.4	3.2
16	Round-leaved mallow	6.6	0.6	8.8	< 0.1	0.4	0.8	2.9
17	Bluebur	3.3	0.8	25.0	0.1	1.7	2.6	2.4
18	Perennial sow-thistle	4.9	0.3	6.7	< 0.1	0.4	0.6	2.1
19	Canada fleabane	3.3	0.6	17.5	< 0.1	1.0	1.0	2.0
20	Foxtail barley	3.3	0.2	7.5	< 0.1	1.4	2.4	1.6
21	Shepherd's-purse	1.6	0.4	25.0	0.1	5.6	5.6	1.5
22	Pale smartweed	3.3	0.2	7.5	< 0.1	0.5	0.8	1.4
23	Dandelion	3.3	0.2	5.0	< 0.1	0.2	0.2	1.3
24	Thyme-leaved spurge	3.3	0.2	5.0	< 0.1	0.2	0.2	1.3
25	Spiny annual sow-thistle	1.6	0.4	25.0	< 0.1	2.0	2.0	1.2
26	Indian mustard	1.6	0.3	20.0	< 0.1	1.4	1.4	1.1
27	Scouring-rush	1.6	0.2	10.0	0.1	4.0	4.0	1.1
28	Rose species	1.6	0.3	20.0	< 0.1	1.0	1.0	1.0
29	Flax	1.6	0.3	20.0	< 0.1	0.8	0.8	1.0
30	Rough cinquefoil	1.6	0.1	5.0	< 0.1	1.6	1.6	0.8
31	Prostrate pigweed	1.6	0.1	5.0	< 0.1	0.8	0.8	0.7
32	Spear-leaved goosefoot	1.6	0.1	5.0	< 0.1	0.4	0.4	0.7
33	Common pepper-grass	1.6	0.1	5.0	< 0.1	0.2	0.2	0.6
34	Water smartweed	1.6	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 48. Durum fields in the Moist Mixed Grassland Ecoregion (83 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	42.2	19.1	45.3	8.6	20.3	141.6	90.5
2	Wild oats	48.2	20.1	41.8	3.9	8.0	75.6	65.6
3	Kochia	27.7	8.1	29.3	1.4	5.1	40.0	28.4
4	Wild buckwheat	25.3	5.7	22.6	0.5	2.2	14.2	19.3
5	Canada thistle	27.7	4.8	17.4	0.5	1.7	7.4	18.5
6	Redroot pigweed	20.5	3.6	17.4	0.4	2.0	9.0	14.0
7	Stinkweed	14.5	2.5	17.5	0.3	2.2	9.0	10.1
8	Barnyard grass	14.5	2.0	13.8	0.2	1.3	2.6	8.6
9	Russian thistle	8.4	1.7	20.0	0.1	1.7	5.4	5.9
10	Foxtail barley	12.0	0.8	7.0	< 0.1	0.4	1.2	5.5
11	Flax	4.8	1.0	21.3	0.1	2.2	5.8	3.6
12	Lamb's-quarters	4.8	1.1	23.8	0.1	1.2	3.6	3.5
13	Canola (Argentine)	4.8	0.8	16.3	0.1	1.7	5.0	3.1
14	Flixweed	4.8	0.8	16.3	< 0.1	1.0	1.4	2.9
15	Lentils	3.6	0.7	20.0	< 0.1	1.1	1.8	2.4
16	Thyme-leaved spurge	4.8	0.4	7.5	< 0.1	0.3	0.4	2.2
17	Wild mustard	2.4	0.8	32.5	< 0.1	1.6	2.0	2.1
18	Dandelion	3.6	0.5	13.3	< 0.1	0.7	1.6	2.0
19	Cow cockle	1.2	0.7	55.0	0.1	8.2	8.2	1.9
20	Biennial wormwood	2.4	0.4	15.0	0.1	2.9	5.6	1.7
21	Perennial sow-thistle	2.4	0.5	22.5	< 0.1	1.2	2.2	1.7
22	Bluebur	2.4	0.2	7.5	< 0.1	0.3	0.4	1.1
23	Common pepper-grass	1.2	0.4	30.0	< 0.1	1.4	1.4	1.0
24	Prostrate pigweed	1.2	0.2	15.0	< 0.1	0.6	0.6	0.7
25	Prickly lettuce	1.2	0.1	10.0	< 0.1	0.4	0.4	0.6
26	Yellow sweet-clover	1.2	0.1	10.0	< 0.1	0.4	0.4	0.6
27	Spring wheat/durum	1.2	0.1	10.0	< 0.1	0.4	0.4	0.6
28	Scouring-rush	1.2	0.1	5.0	< 0.1	0.4	0.4	0.5
29	Round-leaved mallow	1.2	0.1	5.0	< 0.1	0.2	0.2	0.5
30	Shepherd's-purse	1.2	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Spiny annual sow-thistle	1.2	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 49. Oat fields in the Moist Mixed Grassland Ecoregion (16 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	68.8	35.0	50.9	24.5	35.6	243.0	119.2
2	Canada thistle	50.0	12.8	25.6	2.0	4.0	16.4	28.1
3	Kochia	37.5	11.9	31.7	1.8	4.7	12.8	23.9
4	Russian thistle	37.5	5.9	15.8	0.9	2.3	7.4	15.8
5	Stinkweed	25.0	6.6	26.3	1.0	4.1	9.2	14.2
6	Redroot pigweed	31.3	6.3	20.0	0.6	1.8	6.0	13.9
7	Barnyard grass	18.8	6.9	36.7	0.6	3.3	4.4	12.1
8	Lamb's-quarters	31.3	3.8	12.0	0.3	1.0	2.4	10.9
9	Wild oats	18.8	5.9	31.7	0.4	1.9	3.8	10.4
10	Wild buckwheat	31.3	2.8	9.0	0.3	0.9	1.8	9.9
11	Bluebur	6.3	2.2	35.0	0.6	9.2	9.2	5.0
12	Rose species	12.5	1.6	12.5	0.3	2.4	4.2	4.9
13	Canola (Argentine)	12.5	0.9	7.5	< 0.1	0.3	0.4	3.6
14	Round-leaved mallow	12.5	0.6	5.0	0.1	0.4	0.4	3.3
15	Thyme-leaved spurge	12.5	0.6	5.0	< 0.1	0.2	0.2	3.2
16	Biennial wormwood	12.5	0.6	5.0	< 0.1	0.2	0.2	3.2
17	Perennial sow-thistle	6.3	0.9	15.0	0.1	1.0	1.0	2.3
18	Scouring-rush	6.3	0.6	10.0	0.1	0.8	0.8	2.0
19	Annual sow-thistle	6.3	0.6	10.0	< 0.1	0.6	0.6	2.0
20	Spring wheat/durum	6.3	0.6	10.0	< 0.1	0.4	0.4	1.9
21	Unknown broad-leaved species	6.3	0.3	5.0	0.1	1.0	1.0	1.8
22	Dandelion	6.3	0.3	5.0	< 0.1	0.4	0.4	1.7
23	Flax	6.3	0.3	5.0	< 0.1	0.4	0.4	1.7
24	Foxtail barley	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6
25	Flixweed	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6
26	Wild mustard	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6



Table 50. Canary seed fields in the Moist Mixed Grassland Ecoregion (23 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Redroot pigweed	34.8	16.3	46.9	10.3	29.7	179.2	90.5
2	Green foxtail	26.1	12.4	47.5	4.5	17.4	73.2	50.7
3	Wild oats	39.1	6.1	15.6	0.6	1.6	5.2	24.1
4	Kochia	26.1	8.0	30.8	0.8	3.0	6.6	23.8
5	Canada thistle	26.1	4.6	17.5	0.4	1.5	4.2	16.7
6	Wild buckwheat	26.1	3.7	14.2	0.2	0.8	2.0	14.4
7	Stinkweed	21.7	3.3	15.0	0.3	1.4	5.0	13.0
8	Dandelion	17.4	3.9	22.5	0.3	1.6	2.0	12.4
9	Perennial sow-thistle	21.7	1.5	7.0	0.1	0.4	1.0	9.2
10	Flax	4.3	2.2	50.0	0.5	12.0	12.0	7.3
11	Canola (Argentine)	13.0	0.9	6.7	0.1	0.4	0.8	5.5
12	Foxtail barley	8.7	0.7	7.5	< 0.1	0.3	0.4	3.7
13	Prostrate pigweed	8.7	0.7	7.5	< 0.1	0.3	0.4	3.7
14	Pale smartweed	8.7	0.7	7.5	< 0.1	0.3	0.4	3.7
15	Biennial wormwood	8.7	0.4	5.0	< 0.1	0.3	0.4	3.4
16	Prickly lettuce	8.7	0.4	5.0	< 0.1	0.2	0.2	3.3
17	Flixweed	4.3	0.7	15.0	0.1	1.2	1.2	2.5
18	Alfalfa	4.3	0.4	10.0	< 0.1	0.4	0.4	2.0
19	Cow cockle	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7
20	Wild mustard	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7
21	Common pepper-grass	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7
22	Thyme-leaved spurge	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7
23	Russian thistle	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7
24	Spring wheat/durum	4.3	0.2	5.0	< 0.1	0.2	0.2	1.7

Table 51. Oilseed fields in the Moist Mixed Grassland Ecoregion (145 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.3	20.1	41.6	5.1	10.6	83.2	60.4
2	Wild oats	39.3	14.6	37.1	4.8	12.2	157.8	51.1
3	Wild buckwheat	58.6	13.4	22.9	1.0	1.7	11.4	33.7
4	Stinkweed	26.9	6.0	22.3	1.7	6.1	117.4	21.9
5	Russian thistle	21.4	6.5	30.5	0.9	4.4	53.8	17.1
6	Kochia	26.9	6.5	24.1	0.6	2.4	36.2	16.8
7	Lamb's-quarters	22.8	5.7	25.0	0.6	2.8	37.2	15.0
8	Canada thistle	27.6	5.0	18.0	0.5	1.7	12.8	14.6
9	Spring wheat/durum	11.7	3.2	27.4	0.6	5.0	24.4	9.4
10	Redroot pigweed	17.2	3.2	18.8	0.3	1.5	6.6	9.0
11	Barnyard grass	8.3	1.6	18.8	0.4	4.4	39.6	5.6
12	Dandelion	9.7	1.9	19.3	0.1	1.3	6.4	5.0
13	Shepherd's-purse	4.1	1.5	35.8	0.3	7.1	12.4	4.1
14	Wild mustard	4.8	1.6	33.6	0.1	3.0	11.2	3.6
15	Lentils	3.4	1.3	39.0	0.1	3.0	5.4	2.8
16	Cleavers	4.1	0.8	20.0	< 0.1	1.2	3.0	2.1
17	Thyme-leaved spurge	3.4	0.8	23.0	< 0.1	1.4	3.2	1.9
18	Biennial wormwood	4.1	0.6	14.2	< 0.1	0.8	1.4	1.8
19	Cow cockle	4.1	0.6	14.2	< 0.1	0.7	2.0	1.8
20	Perennial sow-thistle	4.8	0.3	7.1	< 0.1	0.7	1.8	1.7
21	Round-leaved mallow	4.1	0.4	10.8	< 0.1	1.0	2.8	1.7
22	Flax	0.7	0.7	95.0	0.1	18.4	18.4	1.5
23	Narrow-leaved hawk's-beard	2.8	0.5	17.5	0.1	2.3	7.4	1.5
24	Rose species	2.1	0.3	16.7	0.1	4.1	9.0	1.3
25	American vetch	2.8	0.4	13.8	< 0.1	1.7	2.6	1.3
26	Flixweed	3.4	0.3	10.0	< 0.1	0.5	1.4	1.3
27	Field horsetail	2.8	0.3	11.3	< 0.1	1.1	2.2	1.2
28	Common pepper-grass	2.8	0.2	7.5	< 0.1	0.6	1.4	1.0
29	Quack grass	2.1	0.2	11.7	< 0.1	1.1	2.6	0.9
30	Pale smartweed	2.1	0.2	11.7	< 0.1	0.9	1.6	0.9
31	Spiny annual sow-thistle	2.1	0.2	10.0	< 0.1	1.0	1.4	0.8
32	Prickly lettuce	1.4	0.2	17.5	< 0.1	1.6	1.8	0.7
33	Persian darnel	1.4	0.2	15.0	< 0.1	0.8	1.2	0.6
34	Night-flowering catchfly	0.7	0.3	40.0	< 0.1	2.4	2.4	0.5
35	Striate knotweed	1.4	0.1	10.0	< 0.1	0.6	1.0	0.5
36	White clover	0.7	0.1	15.0	< 0.1	6.6	6.6	0.5
37	Nodding thistle	0.7	0.2	35.0	< 0.1	2.2	2.2	0.5
38	Foxtail barley	0.7	0.2	30.0	< 0.1	2.6	2.6	0.5
39	Prostrate pigweed	1.4	0.1	5.0	< 0.1	0.3	0.4	0.4
40	Prostrate knotweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
41	Scouring-rush	0.7	0.1	15.0	< 0.1	1.2	1.2	0.3
42	False ragweed	0.7	0.1	15.0	< 0.1	0.6	0.6	0.3
43	Annual sow-thistle	0.7	< 0.1	5.0	< 0.1	1.2	1.2	0.3
44	Goat's-beard	0.7	< 0.1	5.0	< 0.1	0.4	0.4	0.2
45	Bluebur	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
46	Corn spurry	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
47	Sunflower	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
48	Barley	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 52. Canola fields in the Moist Mixed Grassland Ecoregion (90 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	38.9	15.6	40.1	6.4	16.6	157.8	62.8
2	Green foxtail	46.7	18.7	40.0	4.4	9.4	83.2	57.0
3	Wild buckwheat	56.7	12.7	22.4	1.0	1.7	11.4	34.6
4	Stinkweed	27.8	6.6	23.8	2.3	8.2	117.4	27.3
5	Lamb's-quarters	24.4	6.1	25.0	0.9	3.5	37.2	18.0
6	Kochia	24.4	5.7	23.2	0.4	1.7	6.6	15.1
7	Canada thistle	27.8	4.4	15.8	0.4	1.5	12.8	14.6
8	Russian thistle	17.8	4.6	25.9	0.5	2.6	15.8	12.4
9	Spring wheat/durum	8.9	2.7	30.0	0.5	6.1	22.4	8.3
10	Barnyard grass	7.8	1.8	23.6	0.5	6.8	39.6	7.0
11	Redroot pigweed	10.0	1.5	15.0	0.1	0.9	3.2	4.9
12	Dandelion	6.7	1.1	16.7	0.1	1.4	6.4	3.5
13	Lentils	4.4	1.5	33.8	0.1	2.4	4.4	3.4
14	Cleavers	4.4	0.7	15.0	< 0.1	0.8	1.2	2.1
15	Shepherd's-purse	2.2	0.8	35.0	0.1	5.6	11.0	2.1
16	Wild mustard	3.3	0.8	25.0	< 0.1	1.5	2.2	2.1
17	American vetch	3.3	0.5	15.0	0.1	1.6	2.6	1.7
18	Thyme-leaved spurge	3.3	0.4	13.3	< 0.1	1.2	3.0	1.6
19	Quack grass	3.3	0.4	11.7	< 0.1	1.1	2.6	1.5
20	Flixweed	3.3	0.4	13.3	< 0.1	0.7	1.4	1.5
21	Round-leaved mallow	3.3	0.3	8.3	< 0.1	1.2	2.8	1.4
22	Perennial sow-thistle	3.3	0.3	8.3	< 0.1	1.0	1.8	1.4
23	Narrow-leaved hawk's-beard	3.3	0.3	10.0	< 0.1	0.5	1.0	1.4
24	Cow cockle	2.2	0.6	25.0	< 0.1	1.3	2.0	1.4
25	Common pepper-grass	3.3	0.3	8.3	< 0.1	0.7	1.4	1.3
26	Field horsetail	3.3	0.2	5.0	< 0.1	0.7	1.0	1.2
27	Persian darnel	2.2	0.3	15.0	< 0.1	0.8	1.2	1.1
28	Spiny annual sow-thistle	2.2	0.2	10.0	< 0.1	0.8	1.0	0.9
29	Night-flowering catchfly	1.1	0.4	40.0	< 0.1	2.4	2.4	0.9
30	Striate knotweed	2.2	0.2	10.0	< 0.1	0.6	1.0	0.9
31	White clover	1.1	0.2	15.0	0.1	6.6	6.6	0.9
32	Prostrate knotweed	2.2	0.1	5.0	< 0.1	0.2	0.2	0.8
33	Biennial wormwood	1.1	0.3	30.0	< 0.1	1.4	1.4	0.8
34	Rose species	1.1	0.2	15.0	< 0.1	2.6	2.6	0.6
35	Prickly lettuce	1.1	0.2	15.0	< 0.1	1.4	1.4	0.6
36	Scouring-rush	1.1	0.2	15.0	< 0.1	1.2	1.2	0.6
37	False ragweed	1.1	0.2	15.0	< 0.1	0.6	0.6	0.5
38	Pale smartweed	1.1	0.1	10.0	< 0.1	0.8	0.8	0.5
39	Bluebur	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Corn spurry	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
41	Barley	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 53. Flax fields in the Moist Mixed Grassland Ecoregion (36 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	58.3	28.1	48.1	6.9	11.8	74.6	74.2
2	Wild oats	38.9	15.0	38.6	2.7	6.8	59.2	36.2
3	Wild buckwheat	63.9	12.5	19.6	0.9	1.4	8.8	30.7
4	Russian thistle	22.2	10.1	45.6	2.4	10.8	53.8	26.6
5	Kochia	33.3	11.0	32.9	1.5	4.6	36.2	25.4
6	Redroot pigweed	38.9	7.4	18.9	0.7	1.8	6.6	19.2
7	Canada thistle	27.8	6.3	22.5	0.7	2.4	9.4	15.4
8	Spring wheat/durum	16.7	5.4	32.5	0.9	5.4	24.4	13.3
9	Lamb's-quarters	16.7	4.6	27.5	0.3	1.8	3.6	9.5
10	Wild mustard	11.1	4.4	40.0	0.5	4.2	11.2	8.9
11	Dandelion	11.1	3.6	32.5	0.2	2.2	4.8	7.0
12	Shepherd's-purse	8.3	2.1	25.0	0.6	6.7	12.4	6.7
13	Stinkweed	13.9	2.2	16.0	0.1	0.9	2.2	5.9
14	Barnyard grass	8.3	1.0	11.7	0.1	0.9	2.2	3.2
15	Round-leaved mallow	5.6	0.7	12.5	0.1	0.9	1.6	2.2
16	Perennial sow-thistle	5.6	0.4	7.5	< 0.1	0.6	1.0	1.9
17	Nodding thistle	2.8	1.0	35.0	0.1	2.2	2.2	1.8
18	Cow cockle	5.6	0.4	7.5	< 0.1	0.3	0.4	1.8
19	Field horsetail	2.8	0.8	30.0	0.1	2.2	2.2	1.7
20	Prostrate pigweed	5.6	0.3	5.0	< 0.1	0.3	0.4	1.7
21	Prickly lettuce	2.8	0.6	20.0	0.1	1.8	1.8	1.4
22	Pale smartweed	2.8	0.6	20.0	< 0.1	1.6	1.6	1.4
23	Biennial wormwood	2.8	0.4	15.0	< 0.1	0.6	0.6	1.1
24	Thyme-leaved spurge	2.8	0.3	10.0	< 0.1	0.4	0.4	1.0
25	Rose species	2.8	0.1	5.0	< 0.1	0.8	0.8	0.9
26	Flixweed	2.8	0.1	5.0	< 0.1	0.2	0.2	0.8

Table 54. Mustard fields in the Moist Mixed Grassland Ecoregion (19 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	36.8	11.6	31.4	5.2	14.0	76.8	52.6
2	Wild buckwheat	57.9	18.9	32.7	1.4	2.4	8.0	38.0
3	Stinkweed	47.4	10.3	21.7	1.5	3.2	14.6	29.0
4	Wild oats	42.1	8.9	21.3	1.1	2.6	7.0	24.0
5	Russian thistle	36.8	8.7	23.6	0.5	1.3	4.2	18.5
6	Canada thistle	26.3	5.3	20.0	0.5	1.9	5.4	13.4
7	Lamb's-quarters	26.3	5.8	22.0	0.3	1.0	3.6	12.3
8	Flax	5.3	5.0	95.0	1.0	18.4	18.4	12.1
9	Shepherd's-purse	5.3	3.7	70.0	0.6	11.2	11.2	8.4
10	Kochia	26.3	1.8	7.0	0.1	0.4	0.8	7.6
11	Biennial wormwood	21.1	2.1	10.0	0.1	0.7	1.2	7.1
12	Redroot pigweed	10.5	3.7	35.0	0.2	2.2	4.0	7.0
13	Dandelion	21.1	2.1	10.0	0.1	0.5	1.0	6.8
14	Cleavers	10.5	3.2	30.0	0.2	2.0	3.0	6.4
15	Spring wheat/durum	15.8	1.6	10.0	0.2	1.2	3.0	5.9
16	Lentils	5.3	3.2	60.0	0.3	5.4	5.4	5.8
17	Rose species	5.3	1.6	30.0	0.5	9.0	9.0	5.7
18	Narrow-leaved hawk's-beard	5.3	2.1	40.0	0.4	7.4	7.4	5.6
19	Thyme-leaved spurge	5.3	3.4	65.0	0.2	3.2	3.2	5.3
20	Barnyard grass	10.5	1.3	12.5	0.1	1.1	2.0	4.1
21	Foxtail barley	5.3	1.6	30.0	0.1	2.6	2.6	3.4
22	Cow cockle	10.5	1.1	10.0	< 0.1	0.4	0.6	3.4
23	Perennial sow-thistle	10.5	0.5	5.0	< 0.1	0.3	0.4	2.8
24	American vetch	5.3	0.5	10.0	0.1	1.8	1.8	2.2
25	Round-leaved mallow	5.3	0.8	15.0	< 0.1	0.8	0.8	2.1
26	Spiny annual sow-thistle	5.3	0.5	10.0	0.1	1.4	1.4	2.0
27	Annual sow-thistle	5.3	0.3	5.0	0.1	1.2	1.2	1.7
28	Goat's-beard	5.3	0.3	5.0	< 0.1	0.4	0.4	1.4
29	Flixweed	5.3	0.3	5.0	< 0.1	0.2	0.2	1.4
30	Common pepper-grass	5.3	0.3	5.0	< 0.1	0.2	0.2	1.4
31	Pale smartweed	5.3	0.3	5.0	< 0.1	0.2	0.2	1.4
32	Sunflower	5.3	0.3	5.0	< 0.1	0.2	0.2	1.4

Table 55. Pulse fields in the Moist Mixed Grassland Ecoregion (76 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	38.2	14.6	38.3	10.4	27.2	323.4	72.0
2	Wild oats	40.8	13.8	33.7	3.0	7.3	66.6	38.8
3	Wild buckwheat	48.7	9.2	18.9	0.7	1.5	10.4	25.6
4	Redroot pigweed	27.6	7.5	27.1	2.3	8.4	121.8	25.6
5	Canada thistle	35.5	4.7	13.3	0.4	1.1	7.4	15.9
6	Kochia	23.7	5.9	24.7	0.6	2.6	18.2	15.1
7	Stinkweed	23.7	5.1	21.7	0.6	2.6	18.6	14.3
8	Lamb's-quarters	15.8	3.2	20.0	0.2	1.2	3.4	8.3
9	Wild mustard	11.8	2.8	23.3	0.4	3.7	26.8	8.0
10	Oats	1.3	1.3	100.0	1.4	104.4	104.4	7.9
11	Flax	3.9	3.0	75.0	0.7	18.1	30.4	7.4
12	Spring wheat/durum	17.1	1.6	9.2	0.1	0.6	1.2	6.4
13	Barnyard grass	7.9	1.9	24.2	0.3	3.2	6.4	5.2
14	Canola (Argentine)	9.2	1.5	16.4	0.2	2.4	13.8	5.0
15	Dandelion	9.2	1.8	20.0	0.1	1.1	3.4	4.8
16	Foxtail barley	6.6	1.4	22.0	0.1	1.9	7.0	3.8
17	Prickly lettuce	9.2	0.8	8.6	0.1	0.5	1.2	3.4
18	Russian thistle	6.6	0.9	13.0	0.1	1.5	5.4	3.0
19	Canada fleabane	5.3	1.3	23.8	0.1	1.2	2.8	3.0
20	Thyme-leaved spurge	7.9	0.5	6.7	< 0.1	0.3	0.8	2.7
21	Flixweed	5.3	0.9	16.3	0.1	1.3	3.4	2.6
22	Biennial wormwood	5.3	0.3	6.3	< 0.1	0.4	0.6	1.8
23	Barley	2.6	0.5	20.0	0.1	2.7	4.4	1.6
24	Curled dock	3.9	0.4	10.0	< 0.1	0.6	1.0	1.5
25	Field horsetail	1.3	0.6	45.0	0.1	8.6	8.6	1.5
26	Field bindweed	1.3	0.9	65.0	< 0.1	3.4	3.4	1.5
27	Round-leaved mallow	1.3	0.7	50.0	0.1	5.2	5.2	1.4
28	Field peas	3.9	0.3	6.7	< 0.1	0.3	0.4	1.3
29	Shepherd's-purse	2.6	0.4	15.0	< 0.1	1.6	3.0	1.3
30	Goat's-beard	2.6	0.4	15.0	< 0.1	0.6	0.8	1.2
31	Prostrate pigweed	2.6	0.4	15.0	< 0.1	0.6	1.0	1.2
32	Cow cockle	2.6	0.1	5.0	< 0.1	0.7	1.2	0.9
33	Perennial sow-thistle	2.6	0.1	5.0	< 0.1	0.2	0.2	0.8
34	Dog mustard	1.3	0.3	25.0	< 0.1	1.0	1.0	0.8
35	Lentils	1.3	0.3	20.0	< 0.1	1.6	1.6	0.7
36	Narrow-leaved hawk's-beard	1.3	0.2	15.0	< 0.1	1.6	1.6	0.6
37	Prostrate knotweed	1.3	0.1	10.0	< 0.1	0.6	0.6	0.5
38	Bluebur	1.3	0.1	10.0	< 0.1	0.4	0.4	0.5
39	Rose species	1.3	0.1	5.0	< 0.1	0.8	0.8	0.4
40	Wild tomato	1.3	0.1	5.0	< 0.1	0.4	0.4	0.4
41	Black medick	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
42	Annual sow-thistle	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
43	Spiny annual sow-thistle	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
44	American vetch	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 56. Pea fields in the Moist Mixed Grassland Ecoregion (27 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	44.4	27.2	61.3	14.0	31.6	135.2	86.0
2	Wild oats	48.1	16.9	35.0	4.1	8.5	66.6	41.4
3	Wild buckwheat	74.1	14.8	20.0	1.5	2.0	10.4	35.9
4	Oats	3.7	3.7	100.0	3.9	104.4	104.4	18.2
5	Kochia	25.9	6.3	24.3	0.9	3.6	18.2	15.1
6	Canada thistle	29.6	5.7	19.4	0.6	2.0	7.4	14.2
7	Lamb's-quarters	22.2	4.6	20.8	0.3	1.4	3.0	10.5
8	Foxtail barley	14.8	3.9	26.3	0.3	2.3	7.0	8.2
9	Redroot pigweed	14.8	4.1	27.5	0.2	1.4	4.2	7.9
10	Stinkweed	18.5	2.6	14.0	0.2	1.2	4.6	7.4
11	Canola (Argentine)	11.1	2.2	20.0	0.5	4.9	13.8	6.5
12	Spring wheat/durum	18.5	1.5	8.0	0.1	0.4	0.8	5.9
13	Barnyard grass	7.4	2.2	30.0	0.3	3.8	6.0	4.8
14	Round-leaved mallow	3.7	1.9	50.0	0.2	5.2	5.2	3.3
15	Biennial wormwood	11.1	0.6	5.0	< 0.1	0.3	0.6	3.2
16	Shepherd's-purse	7.4	1.1	15.0	0.1	1.6	3.0	3.1
17	Prostrate pigweed	7.4	1.1	15.0	< 0.1	0.6	1.0	2.9
18	Perennial sow-thistle	7.4	0.4	5.0	< 0.1	0.2	0.2	2.1
19	Canada fleabane	3.7	0.9	25.0	0.1	1.4	1.4	1.9
20	Lentils	3.7	0.7	20.0	0.1	1.6	1.6	1.7
21	Narrow-leaved hawk's-beard	3.7	0.6	15.0	0.1	1.6	1.6	1.6
22	Russian thistle	3.7	0.4	10.0	< 0.1	0.8	0.8	1.3
23	Curled dock	3.7	0.4	10.0	< 0.1	0.6	0.6	1.3
24	Prostrate knotweed	3.7	0.4	10.0	< 0.1	0.6	0.6	1.3
25	Prickly lettuce	3.7	0.4	10.0	< 0.1	0.6	0.6	1.3
26	Bluebur	3.7	0.4	10.0	< 0.1	0.4	0.4	1.2
27	Cow cockle	3.7	0.2	5.0	< 0.1	1.2	1.2	1.2
28	Barley	3.7	0.2	5.0	< 0.1	1.0	1.0	1.1
29	Rose species	3.7	0.2	5.0	< 0.1	0.8	0.8	1.1
30	Wild mustard	3.7	0.2	5.0	< 0.1	0.4	0.4	1.1
31	Wild tomato	3.7	0.2	5.0	< 0.1	0.4	0.4	1.1
32	Dandelion	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
33	Flixweed	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
34	Black medick	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
35	Spiny annual sow-thistle	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
36	Thyme-leaved spurge	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
37	American vetch	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0

Table 57. Lentil fields in the Moist Mixed Grassland Ecoregion (44 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	34.1	7.2	21.0	8.9	26.2	323.4	60.8
2	Wild oats	40.9	13.4	32.8	2.7	6.5	54.4	39.5
3	Redroot pigweed	36.4	8.3	22.8	3.5	9.5	121.8	36.1
4	Stinkweed	25.0	7.0	28.2	0.8	3.2	18.6	18.8
5	Wild buckwheat	36.4	6.4	17.5	0.4	1.0	3.4	18.7
6	Canada thistle	40.9	4.4	10.8	0.3	0.8	3.4	17.4
7	Kochia	20.5	5.6	27.2	0.5	2.2	5.2	14.1
8	Wild mustard	18.2	4.7	25.6	0.7	4.1	26.8	13.9
9	Flax	6.8	5.1	75.0	1.2	18.1	30.4	13.9
10	Lamb's-quarters	13.6	2.6	19.2	0.2	1.1	3.4	7.4
11	Dandelion	11.4	3.0	26.0	0.2	1.4	3.4	7.3
12	Spring wheat/durum	13.6	1.3	9.2	0.1	0.7	1.2	5.4
13	Barnyard grass	6.8	1.8	26.7	0.3	3.8	6.4	5.2
14	Russian thistle	9.1	1.3	13.8	0.2	1.7	5.4	4.6
15	Canola (Argentine)	9.1	1.3	13.8	0.1	0.6	1.2	4.1
16	Canada fleabane	6.8	1.6	23.3	0.1	1.1	2.8	4.0
17	Flixweed	6.8	1.4	20.0	0.1	1.6	3.4	3.9
18	Prickly lettuce	9.1	0.7	7.5	< 0.1	0.4	0.6	3.3
19	Thyme-leaved spurge	9.1	0.6	6.3	< 0.1	0.3	0.4	3.1
20	Field horsetail	2.3	1.0	45.0	0.2	8.6	8.6	2.8
21	Field bindweed	2.3	1.5	65.0	0.1	3.4	3.4	2.7
22	Field peas	6.8	0.5	6.7	< 0.1	0.3	0.4	2.4
23	Goat's-beard	4.5	0.7	15.0	< 0.1	0.6	0.8	2.1
24	Barley	2.3	0.8	35.0	0.1	4.4	4.4	2.0
25	Curled dock	4.5	0.5	10.0	< 0.1	0.6	1.0	1.8
26	Dog mustard	2.3	0.6	25.0	< 0.1	1.0	1.0	1.4
27	Biennial wormwood	2.3	0.2	10.0	< 0.1	0.4	0.4	0.9
28	Foxtail barley	2.3	0.1	5.0	< 0.1	0.2	0.2	0.7
29	Cow cockle	2.3	0.1	5.0	< 0.1	0.2	0.2	0.7
30	Annual sow-thistle	2.3	0.1	5.0	< 0.1	0.2	0.2	0.7



Table 58. All fields in the Mixed Grassland Ecoregion (470 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	44.9	19.7	43.9	10.1	22.5	520.0	79.5
2	Wild oats	53.8	14.5	27.0	3.0	5.5	107.6	44.9
3	Wild buckwheat	42.3	9.2	21.8	1.1	2.6	50.0	27.3
4	Kochia	36.4	6.9	18.9	1.3	3.5	99.8	23.8
5	Stinkweed	24.0	5.8	24.2	2.0	8.4	198.0	22.3
6	Redroot pigweed	26.0	4.4	17.1	0.9	3.4	128.0	16.3
7	Russian thistle	17.2	3.9	22.7	0.8	4.5	113.4	12.8
8	Lamb's-quarters	12.1	2.1	17.5	0.3	2.8	52.4	7.4
9	Barnyard grass	8.9	1.8	20.2	0.6	6.8	67.6	7.2
10	Cow cockle	9.8	2.4	24.2	0.3	3.2	30.4	6.9
11	Spring wheat/durum	7.7	2.5	33.1	0.4	5.1	33.4	6.8
12	Persian darnel	4.9	1.4	28.0	0.6	12.4	142.6	5.6
13	Flixweed	8.9	1.2	13.1	0.1	1.3	28.4	4.4
14	Foxtail barley	8.5	0.8	9.5	0.2	2.7	96.0	4.3
15	Wild mustard	7.0	1.2	17.6	0.2	2.5	37.4	4.2
16	Canada thistle	5.7	0.7	11.7	0.1	1.5	15.4	2.8
17	Dandelion	4.7	0.7	14.1	0.1	1.1	9.4	2.3
18	White mustard	1.3	0.8	59.2	0.2	19.1	49.8	2.3
19	Prickly lettuce	4.7	0.4	8.0	< 0.1	0.6	2.8	1.9
20	Tumble pigweed	1.9	0.4	22.8	0.2	9.5	43.8	1.8
21	Thyme-leaved spurge	2.3	0.4	17.3	0.1	4.0	38.4	1.5
22	Round-leaved mallow	1.9	0.4	19.4	0.1	4.8	28.4	1.4
23	Tumble mustard	2.3	0.3	14.1	< 0.1	1.0	6.6	1.1
24	Lentils	1.1	0.4	42.0	< 0.1	4.0	11.6	1.0
25	Field peas	1.5	0.4	23.6	< 0.1	1.9	6.8	0.9
26	Flax	1.5	0.2	15.7	< 0.1	1.2	4.0	0.8
27	Canola (Argentine)	1.1	0.3	27.0	< 0.1	2.7	9.0	0.8
28	Common pepper-grass	1.3	0.1	10.0	< 0.1	2.3	11.8	0.6
29	Field bindweed	0.9	0.1	13.8	< 0.1	5.7	20.8	0.6
30	Biennial wormwood	1.3	0.1	10.8	< 0.1	0.5	1.4	0.5
31	Canada fleabane	1.3	0.1	9.2	< 0.1	0.6	1.4	0.5
32	Alfalfa	0.9	0.1	12.5	< 0.1	0.8	2.6	0.4
33	Barley	0.6	0.1	18.3	< 0.1	1.4	2.4	0.4
34	American vetch	0.9	0.1	8.8	< 0.1	0.6	0.6	0.3
35	Prostrate knotweed	0.6	0.1	13.3	< 0.1	1.0	1.6	0.3
36	Chickpeas	0.4	0.1	25.0	< 0.1	1.9	2.2	0.3
37	Wood-sorrel species	0.2	< 0.1	15.0	< 0.1	19.4	19.4	0.3
38	Curled dock	0.6	0.1	8.3	< 0.1	0.9	1.8	0.3
39	Black medick	0.4	0.1	20.0	< 0.1	1.7	3.2	0.2
40	Dog mustard	0.2	0.1	50.0	< 0.1	6.0	6.0	0.2
41	Goat's-beard	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
42	Wild tomato	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
43	Bluebur	0.4	0.1	12.5	< 0.1	0.8	1.4	0.2
44	Pale smartweed	0.4	< 0.1	7.5	< 0.1	0.9	1.6	0.2
45	Field horsetail	0.2	< 0.1	20.0	< 0.1	5.6	5.6	0.2
46	Canola (Polish)	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
47	White clover	0.2	< 0.1	10.0	< 0.1	4.0	4.0	0.1
48	Spear-leaved goosefoot	0.2	< 0.1	15.0	< 0.1	0.8	0.8	0.1
49	Pygmyflower	0.2	< 0.1	15.0	< 0.1	0.6	0.6	0.1
50	Skeletonweed	0.2	< 0.1	10.0	< 0.1	1.8	1.8	0.1
51	Cocklebur	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1
52	Green tansy mustard	0.2	< 0.1	10.0	< 0.1	0.4	0.4	0.1

(Table continued on next page)

Table 58. All fields in the Mixed Grassland Ecoregion (470 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Annual sow-thistle	0.2	< 0.1	5.0	< 0.1	0.6	0.6	0.1
54	Unknown broad-leaved species	0.2	< 0.1	5.0	< 0.1	0.6	0.6	0.1
55	Spiny annual sow-thistle	0.2	< 0.1	5.0	< 0.1	0.4	0.4	0.1
56	Downy brome	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
57	Rough cinquefoil	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
58	Prairie coneflower	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
59	Narrow-leaved hawk's-beard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Small-leaved lamb's-quarters	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
61	Prostrate pigweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
62	Rose species	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Perennial sow-thistle	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Purslane speedwell	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Sunflower	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	Yellow sweet-clover	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Oats	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Canary grass	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 59. Cereal fields in the Mixed Grassland Ecoregion (373 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.0	21.6	45.0	11.0	22.9	520.0	89.8
2	Wild oats	55.2	14.6	26.4	2.9	5.3	80.2	47.7
3	Wild buckwheat	40.2	8.6	21.5	0.9	2.3	50.0	27.0
4	Kochia	33.2	6.1	18.5	1.1	3.3	64.2	22.5
5	Stinkweed	21.7	4.5	20.8	1.6	7.4	198.0	19.2
6	Redroot pigweed	25.2	4.0	15.9	0.9	3.5	128.0	16.4
7	Russian thistle	16.1	3.5	21.8	0.8	5.0	113.4	12.7
8	Barnyard grass	9.4	2.0	21.6	0.7	7.6	67.6	8.5
9	Cow cockle	10.7	2.6	24.3	0.4	3.4	30.4	8.1
10	Lamb's-quarters	10.2	1.9	18.8	0.4	3.7	52.4	7.1
11	Persian darnel	5.1	1.6	32.4	0.8	14.8	142.6	6.9
12	Wild mustard	5.4	1.0	19.3	0.2	3.5	37.4	3.7
13	Foxtail barley	8.0	0.5	6.8	< 0.1	0.3	0.8	3.2
14	Flixweed	5.9	0.7	12.3	0.1	1.7	28.4	3.1
15	Canada thistle	5.6	0.7	12.1	0.1	1.6	15.4	2.9
16	Dandelion	4.6	0.7	16.2	0.1	1.3	9.4	2.6
17	Round-leaved mallow	2.1	0.4	20.6	0.1	5.4	28.4	1.7
18	Spring wheat/durum	2.1	0.5	23.8	0.1	2.8	8.2	1.5
19	White mustard	1.1	0.5	45.0	0.1	13.1	45.4	1.5
20	Prickly lettuce	3.5	0.3	8.5	< 0.1	0.6	2.8	1.5
21	Thyme-leaved spurge	1.6	0.3	21.7	0.1	6.7	38.4	1.4
22	Field peas	1.6	0.4	26.7	< 0.1	2.1	6.8	1.2
23	Lentils	1.1	0.3	30.0	< 0.1	2.1	5.0	0.8
24	Canola (Argentine)	0.8	0.3	40.0	< 0.1	4.3	9.0	0.8
25	Field bindweed	1.1	0.1	13.8	0.1	5.7	20.8	0.8
26	Flax	1.6	0.2	10.8	< 0.1	0.7	2.6	0.7
27	Common pepper-grass	1.1	0.1	11.3	< 0.1	3.3	11.8	0.6
28	Tumble pigweed	1.3	0.1	7.0	< 0.1	0.4	0.8	0.5
29	Wood-sorrel species	0.3	< 0.1	15.0	0.1	19.4	19.4	0.4
30	Curled dock	0.8	0.1	8.3	< 0.1	0.9	1.8	0.4
31	Biennial wormwood	0.8	0.1	6.7	< 0.1	0.4	0.6	0.3
32	Dog mustard	0.3	0.1	50.0	< 0.1	6.0	6.0	0.3
33	Tumble mustard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
34	Canada fleabane	0.5	0.1	15.0	< 0.1	1.1	1.4	0.3
35	Bluebur	0.5	0.1	12.5	< 0.1	0.8	1.4	0.3
36	Black medick	0.3	0.1	35.0	< 0.1	3.2	3.2	0.2
37	Pale smartweed	0.5	< 0.1	7.5	< 0.1	0.9	1.6	0.2
38	Alfalfa	0.3	0.1	35.0	< 0.1	2.6	2.6	0.2
39	American vetch	0.5	< 0.1	7.5	< 0.1	0.5	0.6	0.2
40	Chickpeas	0.3	0.1	20.0	< 0.1	2.2	2.2	0.2
41	White clover	0.3	< 0.1	10.0	< 0.1	4.0	4.0	0.2
42	Skeletonweed	0.3	< 0.1	10.0	< 0.1	1.8	1.8	0.1
43	Cocklebur	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
44	Prostrate knotweed	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
45	Annual sow-thistle	0.3	< 0.1	5.0	< 0.1	0.6	0.6	0.1
46	Unknown broad-leaved species	0.3	< 0.1	5.0	< 0.1	0.6	0.6	0.1
47	Spiny annual sow-thistle	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
48	Downy brome	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
49	Prairie coneflower	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
50	Goat's-beard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
51	Narrow-leaved hawk's-beard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
52	Prostrate pigweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

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Table 59. Cereal fields in the Mixed Grassland Ecoregion (373 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Rose species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
54	Purslane speedwell	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
55	Wild tomato	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
56	Barley	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
57	Yellow sweet-clover	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
58	Oats	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
59	Canola (Polish)	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Canary grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 60. Spring wheat fields in the Mixed Grassland Ecoregion (104 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	45.2	24.7	54.6	14.1	31.1	267.2	93.7
2	Wild oats	44.2	11.6	26.2	2.9	6.5	57.4	37.8
3	Stinkweed	25.0	7.2	28.7	4.4	17.6	198.0	31.9
4	Wild buckwheat	45.2	10.1	22.4	1.4	3.2	50.0	31.2
5	Kochia	31.7	5.9	18.5	0.9	2.8	19.0	19.9
6	Redroot pigweed	22.1	4.4	20.0	1.6	7.2	128.0	17.8
7	Russian thistle	17.3	3.5	20.3	0.5	2.7	13.0	11.2
8	Lamb's-quarters	11.5	2.5	22.1	1.0	8.7	52.4	10.2
9	Cow cockle	10.6	2.4	22.7	0.3	3.1	17.2	7.3
10	Barnyard grass	9.6	1.4	15.0	0.2	2.5	12.4	5.5
11	Canada thistle	11.5	1.1	9.2	0.1	1.0	2.2	5.2
12	Wild mustard	6.7	1.6	24.3	0.2	3.3	10.8	4.8
13	Foxtail barley	6.7	0.4	6.4	< 0.1	0.3	0.8	2.6
14	Persian darnel	4.8	0.4	9.0	< 0.1	0.7	2.2	2.1
15	Flixweed	3.8	0.6	16.3	< 0.1	0.8	2.2	2.0
16	Field bindweed	1.9	0.4	22.5	0.2	11.1	20.8	1.9
17	Dandelion	1.9	0.6	32.5	< 0.1	2.5	4.8	1.5
18	Prickly lettuce	3.8	0.2	6.3	< 0.1	0.3	0.4	1.5
19	Lentils	1.0	0.7	70.0	< 0.1	5.0	5.0	1.3
20	Tumble pigweed	2.9	0.1	5.0	< 0.1	0.3	0.4	1.1
21	Flax	1.9	0.2	10.0	< 0.1	0.5	0.6	0.9
22	Alfalfa	1.0	0.3	35.0	< 0.1	2.6	2.6	0.8
23	Field peas	1.9	0.1	5.0	< 0.1	0.3	0.4	0.7
24	Canada fleabane	1.0	0.2	25.0	< 0.1	1.4	1.4	0.6
25	Canola (Argentine)	1.0	0.2	20.0	< 0.1	1.0	1.0	0.6
26	Curled dock	1.0	0.1	15.0	< 0.1	1.8	1.8	0.5
27	Common pepper-grass	1.0	0.1	15.0	< 0.1	0.6	0.6	0.5
28	American vetch	1.0	< 0.1	5.0	< 0.1	0.6	0.6	0.4
29	Unknown broad-leaved species	1.0	< 0.1	5.0	< 0.1	0.6	0.6	0.4
30	Spiny annual sow-thistle	1.0	< 0.1	5.0	< 0.1	0.4	0.4	0.4
31	Spring wheat/durum	1.0	< 0.1	5.0	< 0.1	0.4	0.4	0.4
32	Bluebur	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
33	Narrow-leaved hawk's-beard	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
34	Round-leaved mallow	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
35	Tumble mustard	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
36	Thyme-leaved spurge	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
37	Wild tomato	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
38	Barley	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
39	Yellow sweet-clover	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4
40	Canola (Polish)	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.4

Table 61. Barley fields in the Mixed Grassland Ecoregion (72 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	43.1	17.5	40.6	6.5	15.2	83.8	73.2
2	Wild oats	58.3	14.4	24.6	2.7	4.6	62.8	51.1
3	Kochia	38.9	9.1	23.4	1.4	3.7	42.8	31.5
4	Wild buckwheat	34.7	7.4	21.4	0.6	1.8	7.4	23.4
5	Russian thistle	18.1	4.8	26.5	1.1	6.2	35.0	18.0
6	Redroot pigweed	27.8	3.6	13.0	0.8	3.0	45.4	17.6
7	Stinkweed	19.4	4.1	21.1	0.8	3.9	29.0	15.4
8	Barnyard grass	8.3	1.9	22.5	1.0	12.1	67.6	10.7
9	Lamb's-quarters	13.9	1.9	14.0	0.1	1.0	3.6	7.4
10	Flixweed	8.3	1.7	20.0	0.4	5.0	28.4	7.0
11	Thyme-leaved spurge	2.8	1.3	47.5	0.5	19.3	38.4	5.6
12	Spring wheat/durum	6.9	1.7	24.0	0.2	2.2	7.2	5.1
13	Dandelion	6.9	1.4	20.0	0.2	2.3	9.4	4.8
14	Cow cockle	6.9	0.6	8.0	0.1	1.2	3.8	3.2
15	Foxtail barley	8.3	0.5	5.8	< 0.1	0.2	0.4	3.2
16	Field peas	2.8	1.0	37.5	0.1	3.5	6.8	2.7
17	Common pepper-grass	2.8	0.3	12.5	0.2	6.0	11.8	2.2
18	Wild mustard	2.8	0.8	27.5	0.1	1.9	2.2	2.1
19	Prickly lettuce	4.2	0.4	10.0	0.1	1.2	2.8	2.1
20	Dog mustard	1.4	0.7	50.0	0.1	6.0	6.0	1.8
21	Flax	2.8	0.5	17.5	< 0.1	1.4	2.6	1.7
22	White mustard	1.4	0.6	45.0	0.1	4.2	4.2	1.6
23	Round-leaved mallow	2.8	0.3	10.0	< 0.1	1.2	1.2	1.4
24	Black medick	1.4	0.5	35.0	< 0.1	3.2	3.2	1.3
25	Biennial wormwood	2.8	0.1	5.0	< 0.1	0.3	0.4	1.0
26	Canada thistle	2.8	0.1	5.0	< 0.1	0.2	0.2	1.0
27	White clover	1.4	0.1	10.0	0.1	4.0	4.0	0.9
28	Persian darnel	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
29	Goat's-beard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
30	Pale smartweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Lentils	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
32	Oats	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
33	Canary grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 62. Durum fields in the Mixed Grassland Ecoregion (179 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	49.7	19.7	39.7	11.2	22.4	520.0	94.7
2	Wild oats	60.3	16.2	26.8	3.1	5.2	80.2	55.5
3	Wild buckwheat	38.5	8.1	21.0	0.8	2.1	36.4	26.9
4	Kochia	29.1	4.7	16.1	1.0	3.5	64.2	20.2
5	Redroot pigweed	24.6	3.9	15.7	0.6	2.2	31.2	15.5
6	Stinkweed	20.1	3.0	14.7	0.4	2.1	32.0	12.3
7	Russian thistle	13.4	2.5	18.8	0.9	6.4	113.4	11.6
8	Barnyard grass	10.1	2.6	25.8	0.9	9.4	59.6	11.1
9	Cow cockle	11.2	3.5	31.8	0.5	4.7	30.4	10.8
10	Persian darnel	6.7	2.6	38.8	0.8	11.2	39.8	9.2
11	Foxtail barley	8.4	0.6	7.3	< 0.1	0.3	0.8	3.6
12	Lamb's-quarters	6.7	0.9	13.3	0.1	0.9	3.8	3.6
13	Wild mustard	4.5	0.7	15.6	0.2	5.1	37.4	3.4
14	Round-leaved mallow	2.8	0.8	28.0	0.2	8.1	28.4	3.0
15	Flixweed	6.1	0.4	5.9	< 0.1	0.3	0.6	2.5
16	White mustard	0.6	0.5	85.0	0.3	45.4	45.4	2.0
17	Dandelion	3.9	0.4	10.0	< 0.1	0.6	1.6	1.9
18	Canada thistle	3.4	0.4	10.8	< 0.1	1.0	1.8	1.7
19	Canola (Argentine)	1.1	0.6	50.0	0.1	5.9	9.0	1.4
20	Prickly lettuce	2.8	0.2	7.0	< 0.1	0.5	1.0	1.2
21	Wood-sorrel species	0.6	0.1	15.0	0.1	19.4	19.4	0.8
22	Thyme-leaved spurge	1.7	0.2	10.0	< 0.1	0.4	0.8	0.8
23	Lentils	1.1	0.3	22.5	< 0.1	1.6	3.0	0.8
24	Tumble pigweed	1.1	0.1	10.0	< 0.1	0.6	0.8	0.5
25	Curled dock	1.1	0.1	5.0	< 0.1	0.4	0.6	0.4
26	Field bindweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
27	Tumble mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
28	Flax	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
29	Chickpeas	0.6	0.1	20.0	< 0.1	2.2	2.2	0.4
30	Skeletonweed	0.6	0.1	10.0	< 0.1	1.8	1.8	0.3
31	Pale smartweed	0.6	0.1	10.0	< 0.1	1.6	1.6	0.3
32	Biennial wormwood	0.6	0.1	10.0	< 0.1	0.6	0.6	0.3
33	Cocklebur	0.6	0.1	10.0	< 0.1	0.4	0.4	0.3
34	Prostrate knotweed	0.6	0.1	10.0	< 0.1	0.4	0.4	0.3
35	Canada fleabane	0.6	< 0.1	5.0	< 0.1	0.8	0.8	0.2
36	Annual sow-thistle	0.6	< 0.1	5.0	< 0.1	0.6	0.6	0.2
37	Downy brome	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
38	Prairie coneflower	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
39	Prostrate pigweed	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
40	Rose species	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
41	Purslane speedwell	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 63. Canary seed fields in the Mixed Grassland Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	45.5	26.8	59.0	9.2	20.3	43.8	79.6
2	Wild oats	63.6	20.0	31.4	3.4	5.3	12.6	49.1
3	Kochia	63.6	14.1	22.1	3.1	4.9	31.0	42.4
4	Wild buckwheat	54.5	8.2	15.0	0.4	0.8	1.8	21.9
5	Canada thistle	9.1	6.4	70.0	1.4	15.4	15.4	14.7
6	Russian thistle	27.3	5.5	20.0	0.3	1.1	1.6	12.6
7	Stinkweed	18.2	4.1	22.5	0.7	3.6	7.0	11.0
8	Spring wheat/durum	9.1	4.5	50.0	0.7	8.2	8.2	9.8
9	Lamb's-quarters	9.1	4.1	45.0	0.7	7.4	7.4	9.1
10	Cow cockle	27.3	2.3	8.3	0.1	0.4	0.6	8.7
11	Redroot pigweed	27.3	2.3	8.3	0.1	0.4	0.6	8.7
12	Dandelion	18.2	3.2	17.5	0.1	0.8	0.8	7.7
13	Wild mustard	18.2	1.4	7.5	0.1	0.3	0.4	5.6
14	Flixweed	9.1	1.8	20.0	0.1	0.8	0.8	4.1
15	White mustard	9.1	1.4	15.0	0.1	1.0	1.0	3.7
16	Foxtail barley	9.1	0.9	10.0	< 0.1	0.4	0.4	3.1
17	Field peas	9.1	0.9	10.0	< 0.1	0.4	0.4	3.1
18	Common pepper-grass	9.1	0.5	5.0	< 0.1	0.4	0.4	2.6
19	Barnyard grass	9.1	0.5	5.0	< 0.1	0.2	0.2	2.5



Table 64. Oilseed fields in the Mixed Grassland Ecoregion (41 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	48.8	16.5	33.8	3.2	6.6	42.0	41.3
2	Wild buckwheat	51.2	14.8	28.8	2.4	4.7	40.6	36.3
3	Stinkweed	39.0	11.2	28.8	3.5	8.9	89.0	35.6
4	Green foxtail	31.7	11.1	35.0	3.0	9.3	47.4	31.3
5	Redroot pigweed	39.0	10.4	26.6	1.7	4.3	20.4	26.2
6	Kochia	51.2	10.9	21.2	0.9	1.7	6.2	25.7
7	Russian thistle	22.0	7.6	34.4	0.9	4.0	13.4	16.0
8	Tumble pigweed	9.8	4.1	42.5	2.0	20.9	43.8	15.6
9	Spring wheat/durum	22.0	6.1	27.8	1.0	4.7	23.0	15.4
10	Lamb's-quarters	22.0	3.3	15.0	0.2	1.1	2.8	9.1
11	White mustard	2.4	2.2	90.0	1.2	49.8	49.8	8.3
12	Flixweed	14.6	2.3	15.8	0.1	0.8	1.4	6.0
13	Tumble mustard	7.3	2.6	35.0	0.2	3.1	6.6	5.1
14	Canada thistle	9.8	0.7	7.5	0.1	0.8	1.6	3.2
15	Barnyard grass	7.3	0.7	10.0	0.2	2.5	5.8	3.2
16	Wild mustard	4.9	1.7	35.0	0.1	1.9	2.0	3.1
17	Foxtail barley	7.3	0.6	8.3	< 0.1	0.4	0.8	2.4
18	Dandelion	7.3	0.5	6.7	< 0.1	0.3	0.4	2.2
19	Cow cockle	4.9	0.5	10.0	< 0.1	0.8	1.4	1.7
20	Biennial wormwood	4.9	0.4	7.5	< 0.1	0.3	0.4	1.5
21	Barley	2.4	0.7	30.0	< 0.1	1.6	1.6	1.4
22	Wild tomato	4.9	0.2	5.0	< 0.1	0.2	0.2	1.4
23	Thyme-leaved spurge	2.4	0.6	25.0	< 0.1	1.2	1.2	1.2
24	Spear-leaved goosefoot	2.4	0.4	15.0	< 0.1	0.8	0.8	1.0
25	Pygmyflower	2.4	0.4	15.0	< 0.1	0.6	0.6	1.0
26	American vetch	2.4	0.2	10.0	< 0.1	0.6	0.6	0.8
27	Rough cinquefoil	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
28	Persian darnel	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
29	Canada fleabane	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
30	Goat's-beard	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
31	Prickly lettuce	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
32	Alfalfa	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 65. Canola fields in the Mixed Grassland Ecoregion (19 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	47.4	18.4	38.9	4.9	10.4	42.0	51.1
2	Green foxtail	36.8	12.1	32.9	3.6	9.8	47.4	36.6
3	Stinkweed	31.6	7.4	23.3	4.8	15.2	89.0	36.1
4	Wild buckwheat	47.4	13.7	28.9	1.5	3.3	16.6	31.1
5	Kochia	52.6	11.3	21.5	1.0	1.8	4.8	27.4
6	Russian thistle	26.3	9.2	35.0	1.1	4.3	13.4	20.1
7	Redroot pigweed	36.8	5.8	15.7	0.5	1.5	4.4	16.5
8	Spring wheat/durum	26.3	6.6	25.0	0.8	3.0	7.4	15.9
9	Tumble pigweed	10.5	2.6	25.0	2.3	22.2	43.8	15.5
10	Tumble mustard	10.5	4.2	40.0	0.4	3.4	6.6	8.1
11	Lamb's-quarters	15.8	2.9	18.3	0.3	2.0	2.8	7.9
12	Flixweed	15.8	2.6	16.7	0.1	0.9	1.4	6.8
13	Canada thistle	15.8	1.3	8.3	0.1	0.7	1.6	5.4
14	Foxtail barley	15.8	1.3	8.3	0.1	0.4	0.8	5.2
15	Barnyard grass	10.5	1.1	10.0	0.3	3.2	5.8	5.0
16	Spear-leaved goosefoot	5.3	0.8	15.0	< 0.1	0.8	0.8	2.2
17	Cow cockle	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
18	Dandelion	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
19	Persian darnel	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
20	Goat's-beard	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
21	Biennial wormwood	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
22	Alfalfa	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5

Table 66. Mustard fields in the Mixed Grassland Ecoregion (14 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	57.1	22.1	38.8	4.8	8.4	40.6	61.8
2	Stinkweed	57.1	20.4	35.6	3.4	6.0	29.6	51.6
3	Wild oats	57.1	15.7	27.5	1.6	2.8	8.8	36.2
4	Kochia	57.1	12.5	21.9	1.1	1.9	6.2	30.1
5	Redroot pigweed	35.7	9.6	27.0	1.4	4.0	14.0	25.1
6	Spring wheat/durum	21.4	5.7	26.7	1.7	8.0	23.0	20.4
7	Green foxtail	28.6	7.5	26.3	0.9	3.1	5.4	18.3
8	Lamb's-quarters	21.4	2.1	10.0	0.1	0.5	0.6	7.2
9	Flixweed	14.3	2.9	20.0	0.1	0.9	1.2	6.4
10	Wild mustard	7.1	2.5	35.0	0.1	1.8	1.8	4.6
11	Tumble mustard	7.1	1.8	25.0	0.2	2.6	2.6	4.3
12	Tumble pigweed	7.1	1.4	20.0	0.2	3.2	3.2	4.2
13	Barley	7.1	2.1	30.0	0.1	1.6	1.6	4.2
14	Cow cockle	7.1	1.1	15.0	0.1	1.4	1.4	3.1
15	Pygmyflower	7.1	1.1	15.0	< 0.1	0.6	0.6	2.8
16	Barnyard grass	7.1	0.7	10.0	0.1	1.0	1.0	2.6
17	American vetch	7.1	0.7	10.0	< 0.1	0.6	0.6	2.5
18	Dandelion	7.1	0.7	10.0	< 0.1	0.4	0.4	2.4
19	Biennial wormwood	7.1	0.7	10.0	< 0.1	0.4	0.4	2.4
20	Rough cinquefoil	7.1	0.4	5.0	< 0.1	0.2	0.2	2.0
21	Canada fleabane	7.1	0.4	5.0	< 0.1	0.2	0.2	2.0
22	Prickly lettuce	7.1	0.4	5.0	< 0.1	0.2	0.2	2.0
23	Russian thistle	7.1	0.4	5.0	< 0.1	0.2	0.2	2.0
24	Wild tomato	7.1	0.4	5.0	< 0.1	0.2	0.2	2.0

Table 67. Pulse fields in the Mixed Grassland Ecoregion (56 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	33.9	13.3	39.2	9.2	27.1	322.6	55.2
2	Wild oats	48.2	12.6	26.1	3.0	6.1	107.6	34.0
3	Stinkweed	28.6	10.6	37.2	3.7	12.8	103.8	30.5
4	Kochia	46.4	8.8	18.8	2.8	5.9	99.8	29.0
5	Spring wheat/durum	33.9	13.4	39.5	2.1	6.2	33.4	28.5
6	Wild buckwheat	50.0	9.2	18.4	1.0	2.1	11.4	23.8
7	Foxtail barley	12.5	2.7	21.4	1.8	14.0	96.0	12.0
8	Russian thistle	21.4	3.9	18.3	0.6	2.7	17.8	10.7
9	Flixweed	25.0	3.3	13.2	0.2	0.9	4.8	9.5
10	Redroot pigweed	21.4	2.9	13.8	0.3	1.4	4.4	8.6
11	Wild mustard	19.6	2.2	11.4	0.2	0.9	3.0	7.1
12	Lamb's-quarters	17.9	2.6	14.5	0.2	1.1	3.2	7.1
13	Prickly lettuce	14.3	1.1	7.5	0.1	0.6	2.2	4.4
14	Cow cockle	7.1	2.2	31.3	0.2	2.3	5.4	4.4
15	Barnyard grass	7.1	1.2	16.3	0.2	2.9	4.8	3.5
16	Lentils	1.8	1.6	90.0	0.2	11.6	11.6	2.8
17	White mustard	1.8	1.5	85.0	0.2	12.4	12.4	2.7
18	Tumble mustard	8.9	0.6	7.0	< 0.1	0.3	0.4	2.6
19	Thyme-leaved spurge	7.1	0.6	8.8	< 0.1	0.7	1.4	2.3
20	Persian darnel	5.4	0.4	8.3	0.1	1.1	2.6	1.8
21	Canada fleabane	5.4	0.4	6.7	< 0.1	0.4	0.8	1.6
22	Canada thistle	3.6	0.5	15.0	0.1	2.0	2.6	1.6
23	Prostrate knotweed	3.6	0.5	15.0	< 0.1	1.3	1.6	1.5
24	Flax	1.8	0.8	45.0	0.1	4.0	4.0	1.4
25	Field horsetail	1.8	0.4	20.0	0.1	5.6	5.6	1.1
26	Dandelion	3.6	0.3	7.5	< 0.1	0.4	0.6	1.1
27	Common pepper-grass	3.6	0.3	7.5	< 0.1	0.4	0.6	1.1
28	Canola (Argentine)	3.6	0.3	7.5	< 0.1	0.3	0.4	1.1
29	Chickpeas	1.8	0.5	30.0	< 0.1	1.6	1.6	1.0
30	Biennial wormwood	1.8	0.5	30.0	< 0.1	1.4	1.4	1.0
31	Alfalfa	3.6	0.2	5.0	< 0.1	0.2	0.2	1.0
32	Barley	1.8	0.4	20.0	< 0.1	2.4	2.4	0.9
33	American vetch	1.8	0.2	10.0	< 0.1	0.6	0.6	0.6
34	Round-leaved mallow	1.8	0.2	10.0	< 0.1	0.4	0.4	0.6
35	Green tansy mustard	1.8	0.2	10.0	< 0.1	0.4	0.4	0.6
36	Goat's-beard	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
37	Small-leaved lamb's-quarters	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Black medick	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Perennial sow-thistle	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
40	Sunflower	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
41	Field peas	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
42	Canola (Polish)	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 68. Pea fields in the Mixed Grassland Ecoregion (26 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Spring wheat/durum	42.3	18.7	44.1	3.5	8.3	33.4	45.2
2	Green foxtail	34.6	11.3	32.8	5.0	14.4	77.8	43.5
3	Wild oats	57.7	13.1	22.7	1.2	2.1	7.8	31.2
4	Foxtail barley	15.4	4.4	28.8	3.7	24.2	96.0	26.3
5	Wild buckwheat	53.8	7.7	14.3	1.1	2.0	9.2	24.3
6	Kochia	53.8	8.8	16.4	0.6	1.1	4.8	23.1
7	Stinkweed	19.2	6.2	32.0	1.4	7.3	27.6	17.2
8	Russian thistle	23.1	5.6	24.2	1.0	4.5	17.8	15.6
9	Lamb's-quarters	23.1	3.5	15.0	0.3	1.3	3.2	9.7
10	Lentils	3.8	3.5	90.0	0.4	11.6	11.6	6.5
11	Flixweed	15.4	2.1	13.8	0.1	0.7	1.4	5.9
12	Redroot pigweed	15.4	1.7	11.3	0.1	0.9	1.4	5.6
13	Wild mustard	11.5	1.0	8.3	0.2	1.6	2.6	4.3
14	Persian darnel	11.5	1.0	8.3	0.1	1.1	2.6	4.0
15	Prickly lettuce	11.5	1.0	8.3	0.1	0.9	2.2	3.9
16	Thyme-leaved spurge	7.7	1.0	12.5	0.1	1.1	1.4	3.0
17	Field horsetail	3.8	0.8	20.0	0.2	5.6	5.6	2.7
18	Dandelion	7.7	0.6	7.5	< 0.1	0.4	0.6	2.3
19	Canola (Argentine)	7.7	0.6	7.5	< 0.1	0.3	0.4	2.3
20	Chickpeas	3.8	1.2	30.0	0.1	1.6	1.6	2.3
21	Biennial wormwood	3.8	1.2	30.0	0.1	1.4	1.4	2.2
22	Barnyard grass	3.8	0.6	15.0	0.1	3.8	3.8	2.1
23	Canada fleabane	7.7	0.4	5.0	< 0.1	0.2	0.2	2.1
24	Alfalfa	7.7	0.4	5.0	< 0.1	0.2	0.2	2.1
25	Canada thistle	3.8	0.6	15.0	0.1	2.6	2.6	1.9
26	Prostrate knotweed	3.8	0.8	20.0	0.1	1.6	1.6	1.9
27	Cow cockle	3.8	0.8	20.0	< 0.1	0.8	0.8	1.7
28	American vetch	3.8	0.4	10.0	< 0.1	0.6	0.6	1.3
29	Round-leaved mallow	3.8	0.4	10.0	< 0.1	0.4	0.4	1.3
30	Green tansy mustard	3.8	0.4	10.0	< 0.1	0.4	0.4	1.3
31	Tumble mustard	3.8	0.4	10.0	< 0.1	0.4	0.4	1.3
32	Small-leaved lamb's-quarters	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0
33	Canola (Polish)	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0

Table 69. Lentil fields in the Mixed Grassland Ecoregion (26 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	38.5	17.3	45.0	14.9	38.6	322.6	64.9
2	Stinkweed	34.6	15.6	45.0	6.4	18.6	103.8	39.4
3	Wild oats	38.5	11.7	30.5	4.8	12.4	107.6	32.2
4	Kochia	38.5	9.6	25.0	5.3	13.8	99.8	31.8
5	Wild buckwheat	50.0	11.7	23.5	1.1	2.3	11.4	24.8
6	Spring wheat/durum	30.8	10.2	33.1	1.0	3.2	12.8	18.8
7	Flixweed	34.6	4.8	13.9	0.4	1.1	4.8	13.0
8	Redroot pigweed	23.1	4.2	18.3	0.5	2.1	4.4	10.3
9	Wild mustard	23.1	2.5	10.8	0.2	0.7	3.0	7.8
10	Cow cockle	7.7	3.8	50.0	0.3	4.1	5.4	6.1
11	Russian thistle	15.4	2.3	15.0	0.2	1.3	2.4	6.0
12	Prickly lettuce	19.2	1.3	7.0	0.1	0.4	1.0	5.7
13	Lamb's-quarters	15.4	2.1	13.8	0.1	0.8	2.0	5.6
14	White mustard	3.8	3.3	85.0	0.5	12.4	12.4	5.1
15	Barnyard grass	11.5	1.9	16.7	0.3	2.6	4.8	5.1
16	Foxtail barley	11.5	1.3	11.7	0.1	0.5	1.0	3.9
17	Tumble mustard	11.5	0.8	6.7	< 0.1	0.3	0.4	3.3
18	Flax	3.8	1.7	45.0	0.2	4.0	4.0	2.8
19	Common pepper-grass	7.7	0.6	7.5	< 0.1	0.4	0.6	2.3
20	Barley	3.8	0.8	20.0	0.1	2.4	2.4	1.8
21	Canada thistle	3.8	0.6	15.0	0.1	1.4	1.4	1.5
22	Prostrate knotweed	3.8	0.4	10.0	< 0.1	1.0	1.0	1.3
23	Canada fleabane	3.8	0.4	10.0	< 0.1	0.8	0.8	1.3
24	Goat's-beard	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0
25	Black medick	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0
26	Perennial sow-thistle	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0
27	Thyme-leaved spurge	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0
28	Sunflower	3.8	0.2	5.0	< 0.1	0.2	0.2	1.0

Table 70. Number of fields surveyed in each ecodistrict

Ecoregion and Ecodistrict Group	Ecodistrict	Number of Fields Surveyed
<b>Boreal Transition &amp; Mid-Boreal Uplands</b>		
Meadow Lake Plain, Beaver River Plain, Bronson Upland & St. Cyr Plain (685, 680, 710 & 682)	685 Meadow Lake Plain	7
	680 Beaver River Plain	3
	710 Bronson Upland	3
	682 St. Cyr Plain	1
Onion Lake Plain & Turtle River Plain (687 & 695)	687 Onion Lake Plain	15
	695 Turtle River Plain	3
Sturgeon River Plain & Emma Lake Upland (689 & 661)	689 Sturgeon River Plain	10
	661 Emma Lake Upland	1
Witcheakan Plain, Leoville Hills & Meeting Lake Upland (690, 660 & 699)	690 Witcheakan Plain	9
	660 Leoville Hills	1
	699 Meeting Lake Upland	1
Whitefox Plain (693)	693 Whitefox Plain	17
Nipawin Plain & Tobin Lake Lowland (694 & 691)	694 Nipawin Plain	16
	691 Tobin Lake Lowland	4
Shellbrook Plain & Nisbet Plain (696 & 701)	696 Shellbrook Plain	26
	701 Nisbet Plain	9
Red Earth Plain (697)	697 Red Earth Plain	12
Prince Albert Plain & La Corne Plain (702 & 698)	702 Prince Albert Plain	26
	698 La Corne Plain	7
Hudson Bay Plain & Mistatim Upland (704 & 700)	704 Hudson Bay Plain	10
	700 Mistatim Upland	9
Melfort Plain (705)	705 Melfort Plain	44
Tiger Hills Upland (706)	706 Tiger Hills Upland	17
Barrier River Upland (707)	707 Barrier River Upland	48
Swan River Plain & Porcupine Hills (709 & 714)	709 Swan River Plain	31
	714 Porcupine Hills	4
<b>Aspen Parkland</b>		
Lloydminster Plain, Provost Plain & Ribstone Plain (729, 743 & 739)	729 Lloydminster Plain	64
	743 Provost Plain	3
	739 Ribstone Plain	1
Whitewood Hills Upland (733)	733 Whitewood Hills Upland	21
Maymont Plain, Lower Battle River Plain & Hafford Plain (735, 734 & 742)	735 Maymont Plain	20
	734 Lower Battle River Plain	4
	742 Hafford Plain	3
Waldheim Plain (736)	736 Waldheim Plain	37
Cudworth Plain (741)	741 Cudworth Plain	25
Quill Lake Plain (745)	745 Quill Lake Plain	85
Touchwood Hills Upland & Whitesand Plain (748 & 747)	748 Touchwood Hills Upland	80
	747 Whitesand Plain	9
Yorkton Plain & St. Lazare Plain (749 & 751)	749 Yorkton Plain	60
	751 St. Lazare Plain	2
Melville Plain (752)	752 Melville Plain	64
Indian Head Plain (754)	754 Indian Head Plain	31
Moose Mountain Upland & Moose Mountain (755 & 761)	755 Moose Mountain Upland	32
	761 Moose Mountain	3
Kipling Plain (756)	756 Kipling Plain	41
Gainsborough Plain, Moose Mountain Creek Plain & Oak Lake Plain (760, 762 & 763)	760 Gainsborough Plain	57
	762 Moose Mountain Creek Plain	9
	763 Oak Lake Plain	5

*(Table continued on next page)*

Table 70. Number of fields surveyed in each ecodistrict (*continued*)

Ecoregion and Ecodistrict Group	Ecodistrict	Number of Fields Surveyed
<b>Moist Mixed Grassland</b>		
Tramping Lake Plain, Neutral Hills & Senlac Hills (767, 771 & 768)	767 Tramping Lake Plain	66
	771 Neutral Hills	6
	768 Senlac Hills	5
Goose Lake Plain (770)	770 Goose Lake Plain	41
Saskatoon Plain & Moose Wood Sand Hills (772 & 776)	772 Saskatoon Plain	7
	776 Moose Wood Sand Hills	6
Elstow Plain & Minichinas Upland (773 & 774)	773 Elstow Plain	35
	774 Minichinas Upland	5
Bear Hills & Biggar Plain (775 & 778)	775 Bear Hills	9
	778 Biggar Plain	2
	780 Rosetown Plain	44
Rosetown Plain (780)	780 Rosetown Plain	44
Arm River Plain & Allan Hills (782 & 785)	782 Arm River Plain	67
	785 Allan Hills	8
	783 Strasbourg Plain	40
Strasbourg Plain (783)	783 Strasbourg Plain	40
Last Mountain Lake Plain (784)	784 Last Mountain Lake Plain	16
Eyebrow Plain (789)	789 Eyebrow Plain	18
Regina Plain (792)	792 Regina Plain	106
Griffin Plain & Souris River Plain (794 & 796)	794 Griffin Plain	63
	796 Souris River Plain	6
	795 Trossachs Plain	36
Trossachs Plain (795)	795 Trossachs Plain	36
<b>Mixed Grassland &amp; Cypress Uplands</b>		
Kerrobert Plain & Bad Hills (803 & 807)	803 Kerrobert Plain	17
	807 Bad Hills	7
Sibbald Plain & Oyen Upland (805 & 809)	805 Sibbald Plain	7
	809 Oyen Upland	7
Eston Plain (808)	808 Eston Plain	59
Coteau Hills (810)	810 Coteau Hills	11
Beechy Hills (813)	813 Beechy Hills	12
Chaplin Plain (816)	816 Chaplin Plain	38
Hazlet Plain, Schuler Plain & Bindloss Plain (817, 821 & 815)	817 Hazlet Plain	15
	821 Schuler Plain	3
	815 Bindloss Plain	2
Antelope Creek Plain, Great Sand Hills & Maple Creek Plain (820, 819 & 827)	820 Antelope Creek Plain	16
	819 Great Sand Hills	1
	827 Maple Creek Plain	1
Dirt Hills (822)	822 Dirt Hills	11
Swift Current Plateau & Gull Lake Plain (825 & 824)	825 Swift Current Plateau	54
	824 Gull Lake Plain	7
Wood River Plain (826)	826 Wood River Plain	81
Coteau Lake Upland (830)	830 Coteau Lake Upland	41
Lake Alma Upland (831)	831 Lake Alma Upland	22
Wood Mountain Plateau (832)	832 Wood Mountain Plateau	30
Climax Plain, Wild Horse Plain, Cypress Hills & Old Man on His Back Plateau (834, 833, 838 & 835)	834 Climax Plain	20
	833 Wild Horse Plain	3
	838 Cypress Hills	3
	835 Old Man on His Back Plateau	2



Table 71. Meadow Lake Plain, Beaver River Plain, Bronson Upland & St. Cyr Plain Ecodistricts (685, 680, 710 & 682) in the Boreal Transition Ecoregion (14 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	42.9	11.1	25.8	0.8	1.8	6.2	69.4
2	Wild oats	42.9	9.3	21.7	0.9	2.1	4.8	68.3
3	Narrow-leaved hawk's-beard	7.1	5.0	70.0	0.7	9.6	9.6	36.3
4	Spring wheat/durum	28.6	3.6	12.5	0.2	0.7	1.8	26.9
5	Field horsetail	21.4	2.5	11.7	0.3	1.6	3.6	25.5
6	Stork's-bill	14.3	1.8	12.5	0.1	1.0	1.8	14.7
7	Lamb's-quarters	14.3	1.1	7.5	< 0.1	0.3	0.4	9.9
8	Alfalfa	7.1	1.1	15.0	< 0.1	0.6	0.6	7.0
9	Canola (Argentine)	7.1	0.7	10.0	< 0.1	0.6	0.6	6.0
10	Shepherd's-purse	7.1	0.7	10.0	< 0.1	0.4	0.4	5.6
11	Spreading dogbane	7.1	0.4	5.0	< 0.1	0.4	0.4	4.7
12	Green foxtail	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3
13	Hemp-nettle	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3
14	Round-leaved mallow	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3
15	Pineappleweed	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3
16	Pale smartweed	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3
17	Stinkweed	7.1	0.4	5.0	< 0.1	0.2	0.2	4.3

Table 72. Onion Lake Plain & Turtle River Plain Ecodistricts (687 & 695) in the Boreal Transition Ecoregion (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	61.1	30.6	50.0	8.6	14.1	94.4	82.9
2	Canada thistle	33.3	15.6	46.7	3.5	10.4	32.6	38.5
3	Lamb's-quarters	61.1	9.2	15.0	0.8	1.3	3.0	26.2
4	Wild oats	44.4	10.0	22.5	1.1	2.6	6.4	24.8
5	Canola (Argentine)	22.2	8.3	37.5	1.1	5.0	15.8	18.0
6	Narrow-leaved hawk's-beard	33.3	6.4	19.2	0.7	2.0	9.2	16.8
7	Shepherd's-purse	11.1	5.0	45.0	1.7	15.2	27.6	15.1
8	Cleavers	11.1	3.9	35.0	1.1	9.8	13.2	11.3
9	Stinkweed	27.8	2.5	9.0	0.5	2.0	6.6	11.2
10	Perennial sow-thistle	22.2	2.5	11.3	0.3	1.3	2.4	8.8
11	Wild tomato	11.1	2.5	22.5	0.6	5.8	8.8	7.9
12	Field horsetail	11.1	1.9	17.5	0.6	5.4	8.0	7.2
13	Quack grass	11.1	1.4	12.5	0.2	2.1	2.8	4.9
14	Stork's-bill	11.1	1.4	12.5	0.1	0.6	0.8	4.1
15	Dandelion	11.1	1.1	10.0	0.1	0.5	0.6	3.8
16	Spring wheat/durum	11.1	0.8	7.5	0.1	0.6	0.8	3.6
17	Alfalfa	5.6	1.1	20.0	0.1	1.0	1.0	2.6
18	Barley	5.6	0.6	10.0	0.1	1.0	1.0	2.0
19	Green foxtail	5.6	0.3	5.0	0.1	1.4	1.4	1.9
20	Low cudweed	5.6	0.6	10.0	< 0.1	0.4	0.4	1.9
21	Field violet	5.6	0.3	5.0	< 0.1	0.4	0.4	1.6
22	Russian pigweed	5.6	0.3	5.0	< 0.1	0.2	0.2	1.6
23	Rose species	5.6	0.3	5.0	< 0.1	0.2	0.2	1.6
24	Russian thistle	5.6	0.3	5.0	< 0.1	0.2	0.2	1.6

Table 73. Sturgeon River Plain & Emma Lake Upland Ecodistricts (689 & 661) in the Boreal Transition Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Stinkweed	63.6	29.5	46.4	16.1	25.3	135.6	51.7
2	Wild buckwheat	72.7	36.4	50.0	5.7	7.8	24.0	35.8
3	Lamb's-quarters	63.6	24.5	38.6	4.8	7.5	29.0	27.8
4	Green foxtail	18.2	15.5	85.0	8.9	48.9	57.4	26.0
5	Chickweed	63.6	11.8	18.6	2.9	4.6	19.8	18.7
6	Quack grass	54.5	13.6	25.0	2.3	4.2	16.0	17.1
7	Field horsetail	54.5	14.5	26.7	1.9	3.5	7.4	16.7
8	Canada thistle	63.6	11.8	18.6	1.9	2.9	14.0	16.6
9	Cleavers	36.4	11.8	32.5	1.2	3.4	6.8	12.0
10	Dandelion	27.3	11.4	41.7	1.2	4.5	8.6	10.7
11	Shepherd's-purse	18.2	8.2	45.0	1.2	6.5	9.2	8.1
12	Pale smartweed	27.3	3.6	13.3	0.6	2.1	5.4	6.0
13	Alfalfa	9.1	5.0	55.0	0.8	8.8	8.8	4.8
14	Canola (Argentine)	18.2	3.6	20.0	0.4	2.4	4.6	4.7
15	Wild oats	27.3	1.8	6.7	0.3	0.9	2.2	4.7
16	Bicknell's geranium	18.2	2.3	12.5	0.1	0.6	1.0	3.5
17	Night-flowering catchfly	9.1	3.6	40.0	0.2	2.0	2.0	3.1
18	Bluebur	18.2	1.4	7.5	0.1	0.3	0.4	3.0
19	Wormseed mustard	9.1	1.8	20.0	0.4	4.8	4.8	2.8
20	Annual sow-thistle	18.2	0.9	5.0	< 0.1	0.2	0.2	2.7
21	Hemp-nettle	9.1	1.8	20.0	0.3	3.4	3.4	2.5
22	Scentless chamomile	9.1	2.3	25.0	0.1	1.6	1.6	2.4
23	Barley	9.1	1.4	15.0	0.3	3.8	3.8	2.4
24	Perennial sow-thistle	9.1	1.8	20.0	0.1	1.6	1.6	2.2
25	Pineappleweed	9.1	1.4	15.0	0.1	0.6	0.6	1.8
26	American vetch	9.1	1.4	15.0	0.1	0.6	0.6	1.8
27	Spiny annual sow-thistle	9.1	0.9	10.0	0.1	1.0	1.0	1.7
28	Tartary buckwheat	9.1	0.9	10.0	0.1	0.8	0.8	1.7
29	Wild mustard	9.1	0.9	10.0	0.1	0.6	0.6	1.6
30	Narrow-leaved hawk's-beard	9.1	0.5	5.0	< 0.1	0.2	0.2	1.4
31	Redroot pigweed	9.1	0.5	5.0	< 0.1	0.2	0.2	1.4
32	Broad-leaved plantain	9.1	0.5	5.0	< 0.1	0.2	0.2	1.4
33	Yellow sweet-clover	9.1	0.5	5.0	< 0.1	0.2	0.2	1.4

Table 74. Witchekan Plain, Leoville Hills & Meeting Lake Upland Ecodistricts (690, 660 & 699) in the Boreal Transition Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	90.9	29.5	32.5	10.0	11.0	91.0	69.7
2	Wild buckwheat	81.8	24.1	29.4	2.9	3.6	9.0	38.4
3	Stinkweed	72.7	25.0	34.4	1.8	2.5	9.0	33.2
4	Canada thistle	54.5	21.8	40.0	2.9	5.3	18.0	32.4
5	Cleavers	54.5	17.7	32.5	2.0	3.7	8.8	26.8
6	Lamb's-quarters	45.5	14.1	31.0	2.5	5.4	22.4	24.8
7	Shepherd's-purse	36.4	10.9	30.0	1.1	3.2	6.2	16.6
8	Dandelion	36.4	3.6	10.0	0.2	0.6	1.6	8.8
9	Canola (Argentine)	18.2	4.5	25.0	0.5	2.7	4.0	7.5
10	Spring wheat/durum	9.1	5.9	65.0	0.7	7.4	7.4	7.4
11	Narrow-leaved hawk's-beard	18.2	4.1	22.5	0.2	1.1	1.8	6.1
12	Pale smartweed	9.1	2.7	30.0	0.4	4.6	4.6	4.6
13	Hemp-nettle	9.1	2.7	30.0	0.3	3.4	3.4	4.2
14	White cockle	9.1	1.8	20.0	0.3	3.6	3.6	3.8
15	Quack grass	9.1	1.4	15.0	0.2	2.2	2.2	3.0
16	Smooth brome	9.1	0.9	10.0	0.2	2.6	2.6	2.9
17	Perennial sow-thistle	9.1	0.9	10.0	0.1	1.0	1.0	2.4
18	Bluebur	9.1	0.5	5.0	< 0.1	0.2	0.2	1.8
19	Green foxtail	9.1	0.5	5.0	< 0.1	0.2	0.2	1.8
20	Wild mustard	9.1	0.5	5.0	< 0.1	0.2	0.2	1.8
21	Corn spurry	9.1	0.5	5.0	< 0.1	0.2	0.2	1.8

Table 75. Whitefox Plain Ecodistrict (693) in the Boreal Transition Ecoregion (17 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	76.5	20.6	26.9	8.7	11.4	127.0	55.8
2	Wild oats	52.9	22.4	42.2	5.9	11.2	38.2	43.3
3	Wild buckwheat	70.6	18.8	26.7	1.4	2.0	8.2	26.3
4	Canada thistle	58.8	13.5	23.0	1.1	1.9	7.4	20.4
5	Field horsetail	52.9	10.9	20.6	0.9	1.6	6.8	17.0
6	Perennial sow-thistle	35.3	6.8	19.2	1.7	4.8	26.8	15.3
7	Canola (Argentine)	23.5	8.8	37.5	1.0	4.4	13.0	12.5
8	Wild mustard	5.9	4.7	80.0	2.2	37.6	37.6	12.1
9	Spring wheat/durum	35.3	6.5	18.3	0.5	1.3	4.4	10.4
10	Pale smartweed	41.2	5.0	12.1	0.3	0.7	1.8	9.5
11	Shepherd's-purse	29.4	6.2	21.0	0.3	1.2	2.2	9.0
12	Dandelion	35.3	3.2	9.2	0.1	0.4	0.8	7.1
13	Annual sow-thistle	29.4	2.9	10.0	0.2	0.6	1.2	6.3
14	Stinkweed	23.5	3.8	16.3	0.2	0.9	1.6	6.2
15	Hemp-nettle	11.8	3.2	27.5	0.6	5.2	8.2	5.9
16	Cleavers	23.5	2.9	12.5	0.2	0.7	1.2	5.5
17	Narrow-leaved hawk's-beard	11.8	3.2	27.5	0.2	2.0	3.6	4.4
18	Spiny annual sow-thistle	17.6	1.8	10.0	0.1	0.5	0.6	3.8
19	Pineappleweed	11.8	2.6	22.5	0.1	1.1	1.4	3.7
20	Common groundsel	11.8	1.8	15.0	0.1	0.7	1.2	3.0
21	Bluebur	11.8	1.8	15.0	0.1	0.6	0.8	2.9
22	Barley	11.8	1.8	15.0	0.1	0.6	1.0	2.9
23	American dragonhead	5.9	2.1	35.0	0.1	1.4	1.4	2.4
24	Maple-leaved goosefoot	11.8	0.6	5.0	< 0.1	0.2	0.2	2.0
25	Biennial wormwood	11.8	0.6	5.0	< 0.1	0.2	0.2	2.0
26	Green foxtail	5.9	0.6	10.0	0.1	2.0	2.0	1.6
27	Quack grass	5.9	0.6	10.0	< 0.1	0.6	0.6	1.3
28	Chickweed	5.9	0.6	10.0	< 0.1	0.4	0.4	1.2
29	Red clover	5.9	0.6	10.0	< 0.1	0.4	0.4	1.2
30	Ball mustard	5.9	0.3	5.0	< 0.1	0.4	0.4	1.0
31	Kochia	5.9	0.3	5.0	< 0.1	0.2	0.2	1.0
32	Black medick	5.9	0.3	5.0	< 0.1	0.2	0.2	1.0
33	Cream-colored vetchling	5.9	0.3	5.0	< 0.1	0.2	0.2	1.0
34	White sweet-clover	5.9	0.3	5.0	< 0.1	0.2	0.2	1.0

Table 76. Nipawin Plain & Tobin Lake Lowland Ecodistricts (694 & 691) in the Boreal Transition Ecoregion (20 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Field horsetail	65.0	22.5	34.6	3.1	4.8	18.0	47.4
2	Lamb's-quarters	60.0	24.0	40.0	2.6	4.3	23.0	44.1
3	Wild buckwheat	45.0	15.8	35.0	1.0	2.3	5.8	25.4
4	Wild oats	45.0	13.5	30.0	1.2	2.7	9.6	25.2
5	Green foxtail	35.0	8.0	22.9	1.0	2.9	10.4	18.4
6	Narrow-leaved hawk's-beard	35.0	8.8	25.0	0.7	2.0	10.6	16.7
7	Redroot pigweed	10.0	3.8	37.5	1.4	13.5	26.8	13.4
8	Pale smartweed	30.0	5.3	17.5	0.3	1.0	3.2	10.8
9	Wild mustard	5.0	4.0	80.0	0.8	16.4	16.4	9.2
10	Shepherd's-purse	25.0	3.5	14.0	0.2	0.7	1.6	7.8
11	Night-flowering catchfly	15.0	3.8	25.0	0.4	2.5	7.0	7.6
12	Canada thistle	20.0	4.0	20.0	0.2	1.0	2.6	7.5
13	Alfalfa	20.0	2.8	13.8	0.2	0.9	2.2	6.4
14	Canola (Argentine)	20.0	2.0	10.0	0.2	0.8	2.4	5.8
15	Field peas	5.0	4.3	85.0	0.3	5.8	5.8	5.7
16	Quack grass	5.0	3.8	75.0	0.3	5.8	5.8	5.4
17	Perennial sow-thistle	20.0	1.8	8.8	0.1	0.5	1.0	5.2
18	Dandelion	20.0	1.8	8.8	0.1	0.4	0.6	5.1
19	Hemp-nettle	15.0	2.0	13.3	0.1	0.9	1.6	4.9
20	Flax	10.0	2.8	27.5	0.2	1.5	2.8	4.6
21	Bluebur	5.0	2.0	40.0	0.1	2.2	2.2	3.0
22	Stinkweed	10.0	1.3	12.5	0.1	0.5	0.6	2.9
23	Spring wheat/durum	10.0	1.3	12.5	0.1	0.5	0.8	2.9
24	Cleavers	10.0	1.0	10.0	0.1	0.5	0.8	2.7
25	American dragonhead	5.0	0.8	15.0	< 0.1	0.6	0.6	1.6
26	Prickly lettuce	5.0	0.8	15.0	< 0.1	0.6	0.6	1.6
27	Corn spurry	5.0	0.3	5.0	< 0.1	0.6	0.6	1.2
28	Rough cinquefoil	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
29	Dog mustard	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
30	Common pepper-grass	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
31	Annual sow-thistle	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
32	Barley	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
33	Red clover	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1
34	Yellow sweet-clover	5.0	0.3	5.0	< 0.1	0.2	0.2	1.1

Table 77. Shellbrook Plain & Nisbet Plain Ecodistricts (696 & 701) in the Boreal Transition Ecoregion (35 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	45.7	21.6	47.2	32.7	71.5	397.4	77.1
2	Wild buckwheat	77.1	23.0	29.8	2.7	3.5	22.2	31.4
3	Quack grass	28.6	13.4	47.0	4.5	15.6	84.8	20.6
4	Chickweed	42.9	15.1	35.3	2.3	5.4	19.0	20.3
5	Lamb's-quarters	48.6	14.3	29.4	1.7	3.4	11.8	19.5
6	Wild oats	31.4	12.1	38.6	2.5	8.1	25.4	16.9
7	Canada thistle	48.6	6.7	13.8	0.6	1.2	6.0	13.1
8	Field horsetail	31.4	8.4	26.8	1.2	3.8	19.6	12.4
9	Spring wheat/durum	11.4	7.4	65.0	3.2	28.4	93.2	12.0
10	Cleavers	31.4	8.6	27.3	0.8	2.5	11.8	11.7
11	Canola (Argentine)	20.0	5.6	27.9	2.0	9.9	59.6	10.1
12	Hemp-nettle	22.9	3.7	16.3	1.4	6.0	44.4	8.4
13	Stinkweed	25.7	5.3	20.6	0.5	1.9	7.0	8.3
14	Perennial sow-thistle	20.0	2.1	10.7	0.2	1.1	5.0	5.0
15	Dandelion	20.0	2.1	10.7	0.2	1.1	4.6	4.9
16	Narrow-leaved hawk's-beard	8.6	3.1	36.7	0.5	6.2	13.2	4.2
17	Spiny annual sow-thistle	5.7	1.9	32.5	0.2	3.2	5.0	2.4
18	Russian thistle	8.6	1.3	15.0	0.1	1.0	2.0	2.3
19	Common groundsel	8.6	1.1	13.3	0.1	0.8	1.2	2.2
20	Annual sow-thistle	8.6	1.1	13.3	0.1	0.8	1.0	2.2
21	Pale smartweed	8.6	0.7	8.3	< 0.1	0.3	0.6	1.9
22	Wild tomato	5.7	0.9	15.0	0.1	1.0	1.0	1.6
23	Alfalfa	5.7	0.9	15.0	< 0.1	0.7	1.2	1.5
24	Redroot pigweed	5.7	0.3	5.0	0.1	1.8	3.4	1.3
25	Wild mustard	5.7	0.4	7.5	< 0.1	0.7	1.0	1.3
26	Stork's-bill	2.9	0.3	10.0	0.1	2.4	2.4	0.8
27	Broad-leaved plantain	2.9	0.3	10.0	0.1	1.8	1.8	0.7
28	Bluebur	2.9	0.3	10.0	< 0.1	0.6	0.6	0.7
29	Rough cinquefoil	2.9	0.3	10.0	< 0.1	0.4	0.4	0.7
30	Shepherd's-purse	2.9	0.1	5.0	< 0.1	0.4	0.4	0.6
31	Round-leaved mallow	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
32	Pasture sage	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
33	Biennial wormwood	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
34	Yellow sweet-clover	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
35	Flax	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
36	Canola (Polish)	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
37	Fall rye	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 78. Red Earth Plain Ecodistrict (697) in the Boreal Transition Ecoregion (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	25.0	15.0	60.0	2.5	9.8	14.6	53.1
2	Wild oats	66.7	16.3	24.4	1.1	1.6	3.6	42.3
3	Wild buckwheat	75.0	13.3	17.8	0.7	0.9	3.2	35.0
4	Canada thistle	66.7	12.1	18.1	0.7	1.0	4.2	32.2
5	Lamb's-quarters	58.3	6.7	11.4	0.5	0.8	3.6	22.9
6	Red clover	33.3	5.8	17.5	0.3	0.8	1.4	14.8
7	Field horsetail	33.3	3.8	11.3	0.3	0.8	0.8	12.8
8	Shepherd's-purse	16.7	4.2	25.0	0.3	1.5	2.6	10.4
9	Alfalfa	8.3	5.4	65.0	0.3	3.0	3.0	10.2
10	Perennial sow-thistle	33.3	2.5	7.5	0.1	0.3	0.4	9.5
11	Cleavers	33.3	1.7	5.0	0.1	0.2	0.2	8.2
12	Barley	8.3	3.3	40.0	0.2	2.2	2.2	7.2
13	Dandelion	16.7	2.5	15.0	0.1	0.6	1.0	6.7
14	Canola (Argentine)	16.7	2.1	12.5	0.1	0.5	0.8	6.0
15	Pale smartweed	16.7	1.7	10.0	0.1	0.4	0.6	5.4
16	Stinkweed	16.7	0.8	5.0	< 0.1	0.2	0.2	4.1
17	Spiny annual sow-thistle	8.3	1.3	15.0	0.1	0.8	0.8	3.6
18	Maple-leaved goosefoot	8.3	0.8	10.0	< 0.1	0.4	0.4	2.7
19	Narrow-leaved hawk's-beard	8.3	0.8	10.0	< 0.1	0.4	0.4	2.7
20	Night-flowering catchfly	8.3	0.4	5.0	< 0.1	0.2	0.2	2.0
21	Wild mustard	8.3	0.4	5.0	< 0.1	0.2	0.2	2.0
22	Broad-leaved plantain	8.3	0.4	5.0	< 0.1	0.2	0.2	2.0
23	Biennial wormwood	8.3	0.4	5.0	< 0.1	0.2	0.2	2.0
24	Field peas	8.3	0.4	5.0	< 0.1	0.2	0.2	2.0



Table 79. Prince Albert Plain & La Corne Plain Ecodistricts (702 & 698) in the Boreal Transition Ecoregion (33 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Redroot pigweed	9.1	3.0	33.3	23.0	253.4	758.4	43.8
2	Wild oats	45.5	24.5	54.0	5.1	11.3	48.8	33.2
3	Wild buckwheat	63.6	25.0	39.3	2.7	4.3	18.0	32.5
4	Lamb's-quarters	60.6	17.7	29.3	1.8	3.0	9.4	25.6
5	Spring wheat/durum	12.1	5.6	46.3	11.1	91.3	280.8	25.1
6	Canola (Argentine)	27.3	8.0	29.4	4.3	15.7	78.6	17.6
7	Canada thistle	48.5	10.8	22.2	1.0	2.1	9.2	17.5
8	Field horsetail	33.3	7.1	21.4	1.5	4.5	23.4	13.2
9	Green foxtail	27.3	6.4	23.3	1.3	4.8	14.4	11.3
10	Dandelion	27.3	6.2	22.8	0.6	2.2	8.2	10.0
11	Quack grass	12.1	5.3	43.8	2.3	19.3	45.2	9.7
12	Hemp-nettle	27.3	5.2	18.9	0.6	2.0	10.8	9.2
13	Cleavers	27.3	5.2	18.9	0.5	1.7	8.4	9.1
14	Perennial sow-thistle	21.2	2.4	11.4	0.1	0.5	1.4	5.6
15	Pale smartweed	21.2	2.4	11.4	0.1	0.5	1.4	5.5
16	Chickweed	18.2	2.6	14.2	0.1	0.7	1.4	5.1
17	Stinkweed	18.2	2.4	13.3	0.2	0.9	4.2	5.1
18	Shepherd's-purse	9.1	2.3	25.0	0.3	3.2	8.8	3.6
19	Spiny annual sow-thistle	9.1	2.0	21.7	0.2	2.1	3.8	3.2
20	Barley	6.1	1.7	27.5	0.2	2.9	4.4	2.5
21	Annual sow-thistle	6.1	0.9	15.0	< 0.1	0.6	0.8	1.7
22	Wild mustard	3.0	1.4	45.0	0.1	3.4	3.4	1.6
23	Wild tomato	6.1	0.6	10.0	< 0.1	0.7	0.8	1.5
24	Black medick	3.0	1.1	35.0	0.1	1.8	1.8	1.3
25	Flax	3.0	0.5	15.0	< 0.1	0.8	0.8	0.9
26	Night-flowering catchfly	3.0	0.5	15.0	< 0.1	0.6	0.6	0.9
27	Narrow-leaved hawk's-beard	3.0	0.5	15.0	< 0.1	0.6	0.6	0.9
28	Prickly lettuce	3.0	0.3	10.0	< 0.1	0.4	0.4	0.8
29	Pineappleweed	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
30	Thyme-leaved spurge	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6
31	American vetch	3.0	0.2	5.0	< 0.1	0.2	0.2	0.6

Table 80. Hudson Bay Plain & Mistatim Upland Ecodistricts (704 & 700) in the Boreal Transition Ecoregion (19 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	31.6	10.8	34.2	10.6	33.7	167.2	51.7
2	Wild oats	73.7	28.9	39.3	3.9	5.3	18.6	41.9
3	Wild buckwheat	84.2	27.1	32.2	2.8	3.3	17.2	37.9
4	Canada thistle	84.2	20.3	24.1	1.1	1.4	4.6	27.5
5	Dandelion	68.4	11.1	16.2	0.6	0.8	3.4	17.8
6	Lamb's-quarters	42.1	7.6	18.1	0.6	1.4	7.0	12.4
7	Cleavers	31.6	6.3	20.0	0.7	2.3	11.2	10.7
8	Narrow-leaved hawk's-beard	42.1	6.6	15.6	0.3	0.7	1.0	10.5
9	Quack grass	15.8	5.3	33.3	1.2	7.5	9.0	9.8
10	Borage	5.3	5.3	100.0	1.1	21.4	21.4	8.2
11	Barley	26.3	5.0	19.0	0.3	1.2	4.2	7.6
12	Pale smartweed	31.6	3.4	10.8	0.3	0.9	3.4	7.2
13	American dragonhead	26.3	4.5	17.0	0.2	0.8	1.2	6.9
14	Alfalfa	21.1	3.7	17.5	0.1	0.7	1.6	5.5
15	Wild mustard	15.8	3.2	20.0	0.4	2.3	6.2	5.3
16	Shepherd's-purse	21.1	1.3	6.3	0.1	0.6	1.0	4.0
17	Canola (Argentine)	15.8	2.1	13.3	0.2	1.0	2.4	3.9
18	Hemp-nettle	15.8	1.8	11.7	0.2	1.1	1.6	3.8
19	Canary grass	5.3	3.2	60.0	0.3	6.0	6.0	3.8
20	Broad-leaved plantain	15.8	0.8	5.0	< 0.1	0.2	0.2	2.6
21	Perennial sow-thistle	15.8	0.8	5.0	< 0.1	0.2	0.2	2.6
22	Barnyard grass	10.5	0.5	5.0	0.2	2.0	2.4	2.5
23	Spring wheat/durum	10.5	1.3	12.5	0.1	0.6	0.8	2.4
24	Bluebur	10.5	1.3	12.5	0.1	0.5	0.8	2.4
25	Field horsetail	10.5	0.8	7.5	0.1	0.6	1.0	2.1
26	Night-flowering catchfly	5.3	0.8	15.0	0.2	3.8	3.8	1.9
27	Flax	5.3	0.8	15.0	0.1	2.0	2.0	1.6
28	Red clover	5.3	1.1	20.0	< 0.1	0.8	0.8	1.5
29	Foxtail barley	5.3	0.5	10.0	< 0.1	0.4	0.4	1.1
30	Prickly lettuce	5.3	0.5	10.0	< 0.1	0.4	0.4	1.1
31	Annual sow-thistle	5.3	0.3	5.0	< 0.1	0.2	0.2	0.9
32	Yellow sweet-clover	5.3	0.3	5.0	< 0.1	0.2	0.2	0.9

Table 81. Melfort Plain Ecodistrict (705) in the Boreal Transition Ecoregion (44 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	63.6	12.4	19.5	1.3	2.1	10.6	36.0
2	Wild buckwheat	52.3	13.6	26.1	1.0	2.0	7.0	32.5
3	Cleavers	38.6	7.7	20.0	1.6	4.1	50.2	28.9
4	Canada thistle	50.0	8.3	16.6	0.7	1.4	9.6	23.6
5	Lamb's-quarters	31.8	7.3	22.9	0.5	1.6	7.2	17.6
6	Shepherd's-purse	27.3	4.5	16.7	0.8	2.8	14.2	16.3
7	Spring wheat/durum	11.4	4.3	38.0	0.8	6.8	27.2	13.3
8	Spiny annual sow-thistle	13.6	3.9	28.3	0.5	3.8	13.6	11.0
9	Pale smartweed	31.8	3.2	10.0	0.2	0.5	2.2	10.7
10	Redroot pigweed	4.5	1.4	30.0	0.9	20.7	41.0	10.6
11	Field horsetail	15.9	3.1	19.3	0.3	2.1	8.2	9.1
12	Green foxtail	11.4	2.7	24.0	0.4	3.9	11.8	8.8
13	Barley	18.2	3.3	18.1	0.2	1.0	2.0	8.3
14	Dandelion	22.7	3.0	13.0	0.1	0.5	1.2	8.3
15	Hemp-nettle	15.9	2.5	15.7	0.2	1.5	6.4	7.6
16	Stinkweed	15.9	2.5	15.7	0.2	1.3	4.8	7.3
17	Wild mustard	9.1	3.2	35.0	0.3	3.0	10.2	7.3
18	Canola (Argentine)	15.9	2.4	15.0	0.1	0.7	3.2	6.4
19	Narrow-leaved hawk's-beard	18.2	1.6	8.8	0.1	0.6	2.0	6.0
20	Perennial sow-thistle	11.4	1.6	14.0	0.1	1.0	3.8	4.7
21	Quack grass	6.8	1.0	15.0	0.1	2.0	3.2	3.5
22	Flax	2.3	1.5	65.0	0.2	7.6	7.6	3.4
23	Round-leaved mallow	2.3	0.5	20.0	0.2	7.6	7.6	2.4
24	American dragonhead	6.8	0.7	10.0	< 0.1	0.5	0.8	2.3
25	Common groundsel	4.5	0.6	12.5	< 0.1	0.9	1.6	1.8
26	Chickweed	2.3	0.6	25.0	0.1	3.4	3.4	1.7
27	Scentless chamomile	2.3	0.6	25.0	0.1	2.6	2.6	1.5
28	Russian thistle	2.3	0.6	25.0	< 0.1	2.0	2.0	1.4
29	Bluebur	4.5	0.3	7.5	< 0.1	0.3	0.4	1.3
30	Ball mustard	4.5	0.3	7.5	< 0.1	0.3	0.4	1.3
31	Annual sow-thistle	2.3	0.5	20.0	< 0.1	1.0	1.0	1.1
32	Kochia	2.3	0.3	15.0	< 0.1	0.6	0.6	0.9
33	Night-flowering catchfly	2.3	0.2	10.0	< 0.1	0.6	0.6	0.8
34	Barnyard grass	2.3	0.1	5.0	< 0.1	0.2	0.2	0.6
35	Dog mustard	2.3	0.1	5.0	< 0.1	0.2	0.2	0.6
36	Alfalfa	2.3	0.1	5.0	< 0.1	0.2	0.2	0.6
37	Field peas	2.3	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 82. Tiger Hills Upland Ecodistrict (706) in the Boreal Transition Ecoregion (17 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	70.6	29.7	42.1	8.4	11.8	63.8	83.5
2	Canada thistle	52.9	9.4	17.8	1.8	3.4	13.0	28.7
3	Spring wheat/durum	23.5	9.7	41.3	2.9	12.3	38.8	28.2
4	Wild buckwheat	47.1	12.6	26.9	1.2	2.5	10.8	27.1
5	Cleavers	35.3	11.8	33.3	1.0	3.0	8.6	23.2
6	Field horsetail	17.6	6.5	36.7	0.8	4.7	8.0	13.6
7	Lamb's-quarters	29.4	5.6	19.0	0.5	1.6	3.6	13.6
8	Quack grass	11.8	5.0	42.5	0.5	4.3	6.0	9.5
9	Barnyard grass	11.8	3.2	27.5	0.7	5.7	11.0	8.8
10	Shepherd's-purse	17.6	2.6	15.0	0.3	1.7	3.8	7.7
11	Green foxtail	17.6	2.4	13.3	0.3	1.6	4.0	7.3
12	Wild mustard	5.9	1.8	30.0	0.6	9.6	9.6	5.7
13	Pale smartweed	11.8	1.5	12.5	0.1	0.8	1.4	4.3
14	Pineappleweed	11.8	1.5	12.5	0.1	0.7	1.2	4.2
15	Dandelion	11.8	1.5	12.5	0.1	0.6	0.6	4.2
16	Perennial sow-thistle	11.8	1.2	10.0	0.1	0.9	1.4	4.1
17	Russian thistle	11.8	1.2	10.0	0.1	0.7	0.8	4.0
18	Spiny annual sow-thistle	11.8	0.9	7.5	0.1	0.7	1.0	3.7
19	Chickweed	11.8	0.9	7.5	0.1	0.6	0.8	3.7
20	Stinkweed	5.9	2.1	35.0	0.1	1.8	1.8	3.6
21	Redroot pigweed	11.8	0.6	5.0	< 0.1	0.3	0.4	3.2
22	Tartary buckwheat	5.9	1.2	20.0	0.1	1.4	1.4	2.7
23	Field bindweed	5.9	0.6	10.0	< 0.1	0.8	0.8	2.0
24	Barley	5.9	0.6	10.0	< 0.1	0.4	0.4	1.9
25	American vetch	5.9	0.3	5.0	< 0.1	0.2	0.2	1.6

Table 83. Barrier River Upland Ecodistrict (707) in the Boreal Transition Ecoregion (48 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	25.0	9.6	38.3	6.3	25.1	218.0	38.1
2	Wild oats	66.7	22.0	33.0	2.4	3.7	33.6	35.3
3	Wild buckwheat	77.1	20.1	26.1	1.7	2.2	20.4	32.2
4	Lamb's-quarters	35.4	9.1	25.6	4.4	12.5	153.6	31.0
5	Canada thistle	72.9	13.3	18.3	0.8	1.1	9.0	23.1
6	Field horsetail	43.8	12.6	28.8	1.5	3.5	11.8	21.6
7	Dandelion	62.5	10.3	16.5	0.6	0.9	5.0	18.4
8	Canola (Argentine)	27.1	4.8	17.7	0.9	3.5	37.2	11.3
9	Spring wheat/durum	18.8	4.9	26.1	0.6	3.4	20.2	8.8
10	Cleavers	29.2	4.0	13.6	0.3	0.9	4.6	7.9
11	Hemp-nettle	22.9	4.0	17.3	0.3	1.4	6.6	7.3
12	Pale smartweed	20.8	4.3	20.5	0.3	1.3	4.8	7.0
13	Narrow-leaved hawk's-beard	25.0	3.4	13.8	0.2	0.6	2.0	6.5
14	Perennial sow-thistle	18.8	3.5	18.9	0.3	1.6	6.8	6.4
15	Barley	12.5	3.3	26.7	0.2	2.0	9.0	5.1
16	Wild mustard	16.7	2.8	16.9	0.1	0.9	2.2	4.9
17	Shepherd's-purse	20.8	2.0	9.5	0.1	0.6	1.2	4.8
18	Night-flowering catchfly	12.5	2.0	15.8	0.2	1.6	8.0	4.0
19	Corn spurry	2.1	1.7	80.0	0.3	14.6	14.6	2.8
20	Bluebur	10.4	1.4	13.0	0.1	0.7	1.6	2.7
21	Quack grass	10.4	1.0	10.0	0.1	1.2	3.0	2.7
22	Chickweed	8.3	1.1	13.8	0.1	0.9	1.8	2.3
23	Stinkweed	6.3	1.0	16.7	0.1	2.2	5.8	2.2
24	American dragonhead	10.4	0.7	7.0	< 0.1	0.3	0.4	2.1
25	Black medick	8.3	0.6	7.5	< 0.1	0.5	1.4	1.8
26	Red clover	6.3	0.5	8.3	< 0.1	0.5	0.8	1.4
27	Foxtail barley	6.3	0.3	5.0	< 0.1	0.2	0.2	1.2
28	Flax	2.1	0.7	35.0	0.1	2.6	2.6	1.0
29	Yellow sweet-clover	2.1	0.6	30.0	< 0.1	1.2	1.2	0.8
30	Broad-leaved plantain	4.2	0.2	5.0	< 0.1	0.2	0.2	0.8
31	Fowl-meadow grass	4.2	0.2	5.0	< 0.1	0.2	0.2	0.8
32	Purslane speedwell	2.1	0.1	5.0	< 0.1	0.6	0.6	0.4
33	Cream-colored vetchling	2.1	0.1	5.0	< 0.1	0.6	0.6	0.4
34	Field violet	2.1	0.1	5.0	< 0.1	0.4	0.4	0.4
35	Low cudweed	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
36	Common groundsel	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
37	Black mustard	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Common pepper-grass	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Spiny annual sow-thistle	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Alfalfa	2.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 84. Swan River Plain & Porcupine Hills Ecodistricts (709 & 714) in the Boreal Transition Ecoregion (35 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	80.0	27.9	34.8	10.2	12.8	113.4	65.7
2	Canada thistle	80.0	26.3	32.9	3.2	4.1	14.2	39.8
3	Wild buckwheat	77.1	18.7	24.3	2.1	2.8	11.8	30.6
4	Green foxtail	51.4	12.9	25.0	1.9	3.7	13.8	22.2
5	Hemp-nettle	51.4	10.1	19.7	2.0	3.9	35.6	21.0
6	Field horsetail	51.4	9.4	18.3	1.4	2.7	10.2	18.2
7	Cleavers	60.0	8.0	13.3	1.0	1.7	10.6	17.2
8	Chickweed	22.9	6.7	29.4	1.0	4.5	12.2	11.2
9	Spring wheat/durum	17.1	5.6	32.5	0.9	5.4	20.6	9.3
10	Dandelion	31.4	4.0	12.7	0.4	1.2	4.4	8.3
11	Pale smartweed	17.1	3.1	18.3	1.0	5.6	31.0	7.9
12	Wild mustard	25.7	2.1	8.3	0.3	1.3	8.2	6.2
13	Stinkweed	22.9	2.0	8.8	0.4	1.9	12.6	6.0
14	Perennial sow-thistle	22.9	2.3	10.0	0.2	1.0	2.0	5.4
15	Redroot pigweed	14.3	2.0	14.0	0.5	3.2	7.2	4.9
16	Night-flowering catchfly	8.6	3.1	36.7	0.5	5.3	13.4	4.8
17	Canola (Argentine)	14.3	2.9	20.0	0.3	1.8	6.0	4.8
18	Lamb's-quarters	14.3	0.9	6.0	0.1	0.7	2.4	2.9
19	Narrow-leaved hawk's-beard	11.4	1.3	11.3	0.1	0.8	1.8	2.8
20	Barley	11.4	1.1	10.0	0.1	1.0	2.4	2.7
21	Quack grass	8.6	0.9	10.0	0.2	2.5	5.4	2.5
22	Common groundsel	2.9	0.7	25.0	< 0.1	1.6	1.6	1.0
23	Purslane speedwell	5.7	0.3	5.0	< 0.1	0.2	0.2	1.0
24	Black medick	2.9	0.6	20.0	0.1	2.0	2.0	1.0
25	Milk-vetch species	2.9	0.1	5.0	< 0.1	1.0	1.0	0.6
26	Canada fleabane	2.9	0.1	5.0	< 0.1	0.2	0.2	0.5
27	Prostrate knotweed	2.9	0.1	5.0	< 0.1	0.2	0.2	0.5
28	Dog mustard	2.9	0.1	5.0	< 0.1	0.2	0.2	0.5
29	Spiny annual sow-thistle	2.9	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 85. Lloydminster Plain, Provost Plain & Ribstone Plain Ecodistricts (729, 743 & 739) in the Aspen Parkland Ecoregion (68 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	36.8	17.5	47.6	15.7	42.7	273.8	54.9
2	Wild oats	75.0	27.3	36.4	7.2	9.6	88.4	50.7
3	Lamb's-quarters	44.1	10.5	23.8	9.5	21.5	564.4	37.0
4	Wild buckwheat	70.6	18.7	26.5	2.4	3.4	43.2	32.6
5	Canada thistle	51.5	8.3	16.1	1.0	2.0	10.6	18.0
6	Stinkweed	33.8	6.9	20.4	1.8	5.4	83.0	15.5
7	Redroot pigweed	10.3	3.8	37.1	3.1	30.1	168.2	11.7
8	Narrow-leaved hawk's-beard	30.9	5.7	18.3	0.8	2.5	17.0	11.6
9	Shepherd's-purse	19.1	3.8	20.0	0.7	3.5	17.8	7.9
10	Spring wheat/durum	19.1	3.1	16.2	0.4	2.0	8.4	6.7
11	Perennial sow-thistle	20.6	2.3	11.1	0.2	0.9	6.6	5.9
12	Canola (Argentine)	14.7	2.1	14.0	0.2	1.4	8.4	4.7
13	Russian thistle	13.2	1.8	13.9	0.3	1.9	11.6	4.4
14	Cleavers	13.2	1.6	12.2	0.2	1.4	7.4	4.0
15	Alfalfa	2.9	1.5	50.0	0.7	24.9	44.2	3.3
16	Bluebur	10.3	1.0	9.3	0.1	0.7	2.2	2.7
17	Dandelion	8.8	1.2	13.3	0.1	0.9	2.4	2.7
18	Barley	5.9	1.5	25.0	0.1	2.1	3.8	2.5
19	Yellow toadflax	10.3	0.6	5.7	0.1	0.5	0.8	2.4
20	Spiny annual sow-thistle	8.8	0.8	9.2	0.1	0.6	1.8	2.3
21	Rose species	7.4	0.4	5.0	0.1	0.7	1.6	1.7
22	Quack grass	4.4	0.7	16.7	0.1	3.1	5.2	1.7
23	Kochia	5.9	0.5	8.8	0.1	1.2	3.6	1.6
24	Povertyweed	1.5	0.9	60.0	0.2	13.2	13.2	1.4
25	Common groundsel	4.4	0.4	10.0	< 0.1	0.9	2.0	1.2
26	American vetch	4.4	0.3	6.7	< 0.1	0.6	1.2	1.1
27	Pale smartweed	4.4	0.3	6.7	< 0.1	0.4	0.8	1.1
28	Wild tomato	2.9	0.5	17.5	0.1	1.7	2.6	1.0
29	Prostrate knotweed	2.9	0.5	17.5	< 0.1	1.1	1.6	1.0
30	Field horsetail	2.9	0.3	10.0	0.1	2.7	5.0	0.9
31	Flixweed	2.9	0.4	12.5	< 0.1	0.9	1.6	0.9
32	Maple-leaved goosefoot	2.9	0.2	7.5	< 0.1	0.5	0.6	0.7
33	Low cudweed	2.9	0.2	7.5	< 0.1	0.3	0.4	0.7
34	Persian darnel	2.9	0.1	5.0	< 0.1	0.2	0.2	0.7
35	Stork's-bill	1.5	0.4	25.0	< 0.1	2.0	2.0	0.6
36	Round-leaved mallow	1.5	0.2	15.0	< 0.1	0.8	0.8	0.5
37	Common pepper-grass	1.5	0.1	10.0	< 0.1	0.8	0.8	0.4
38	Thyme-leaved spurge	1.5	0.1	10.0	< 0.1	0.4	0.4	0.4
39	Wild mustard	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
40	Russian pigweed	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Corn spurry	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 86. Whitewood Hills Upland Ecodistrict (733) in the Aspen Parkland Ecoregion (21 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	47.6	25.2	53.0	22.8	47.8	237.0	52.0
2	Wild oats	85.7	37.6	43.9	13.0	15.2	75.8	49.6
3	Wild buckwheat	76.2	26.9	35.3	3.0	4.0	14.8	28.7
4	Lamb's-quarters	52.4	22.1	42.3	7.1	13.5	91.4	28.7
5	Stinkweed	42.9	11.0	25.6	9.0	21.0	159.6	24.6
6	Canada thistle	66.7	13.3	20.0	1.3	2.0	7.0	18.2
7	Russian thistle	23.8	7.6	32.0	2.9	12.3	53.0	11.4
8	Spring wheat/durum	14.3	9.8	68.3	2.7	18.7	45.8	10.7
9	Perennial sow-thistle	38.1	6.9	18.1	1.1	2.8	18.0	10.5
10	Dandelion	38.1	7.4	19.4	0.4	1.1	3.2	9.8
11	Canola (Argentine)	23.8	6.2	26.0	2.0	8.2	39.8	9.3
12	Narrow-leaved hawk's-beard	33.3	5.7	17.1	0.7	2.2	8.6	8.7
13	Shepherd's-purse	33.3	4.8	14.3	1.0	2.9	16.2	8.6
14	Field horsetail	14.3	2.6	18.3	0.9	6.3	14.2	4.7
15	Cleavers	19.0	2.6	13.8	0.3	1.7	5.0	4.5
16	Field peas	4.8	4.3	90.0	0.4	7.6	7.6	3.3
17	Prostrate knotweed	14.3	1.9	13.3	0.1	0.7	1.4	3.2
18	Chickweed	4.8	1.9	40.0	0.8	16.4	16.4	2.8
19	Bluebur	9.5	1.9	20.0	0.2	2.0	3.8	2.6
20	Common groundsel	9.5	1.0	10.0	0.1	0.9	1.6	2.0
21	Flixweed	9.5	0.5	5.0	< 0.1	0.2	0.2	1.7
22	Night-flowering catchfly	4.8	0.5	10.0	< 0.1	0.6	0.6	1.0
23	American vetch	4.8	0.5	10.0	< 0.1	0.4	0.4	1.0
24	Quack grass	4.8	0.2	5.0	0.1	1.2	1.2	0.9
25	Wild mustard	4.8	0.2	5.0	< 0.1	0.2	0.2	0.8
26	Wood whitlow-grass	4.8	0.2	5.0	< 0.1	0.2	0.2	0.8



Table 87. Maymont Plain, Lower Battle River Plain & Hafford Plain Ecodistricts (735, 734 & 742) in the Aspen Parkland Ecoregion (27 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	59.3	22.6	38.1	34.0	57.5	483.6	93.7
2	Wild oats	59.3	18.3	30.9	4.4	7.5	42.2	34.4
3	Wild buckwheat	55.6	18.7	33.7	2.4	4.3	21.8	30.1
4	Russian thistle	37.0	14.1	38.0	2.2	6.0	26.0	22.5
5	Canada thistle	40.7	6.3	15.5	0.9	2.1	13.2	14.5
6	Lamb's-quarters	40.7	5.2	12.7	1.0	2.4	10.0	13.8
7	Stinkweed	33.3	6.1	18.3	0.6	1.9	7.0	12.5
8	Kochia	11.1	6.7	60.0	1.8	16.1	31.4	10.8
9	Spring wheat/durum	11.1	4.6	41.7	1.8	16.1	44.8	9.2
10	Canola (Argentine)	7.4	4.1	55.0	1.6	21.2	41.8	7.6
11	Redroot pigweed	14.8	3.1	21.3	0.3	1.8	4.8	5.9
12	Thyme-leaved spurge	3.7	3.7	100.0	0.7	19.4	19.4	5.0
13	Field horsetail	11.1	1.1	10.0	0.3	3.1	7.0	3.7
14	Dandelion	14.8	0.9	6.3	< 0.1	0.3	0.4	3.7
15	Cleavers	14.8	0.7	5.0	< 0.1	0.3	0.4	3.5
16	Narrow-leaved hawk's-beard	11.1	1.1	10.0	< 0.1	0.4	0.6	3.1
17	Shepherd's-purse	7.4	1.3	17.5	0.2	2.4	4.2	2.8
18	Barley	7.4	1.1	15.0	0.2	2.8	4.6	2.7
19	Quack grass	11.1	0.6	5.0	< 0.1	0.3	0.6	2.7
20	White cockle	7.4	0.9	12.5	0.1	0.8	1.4	2.3
21	Bluebur	7.4	0.6	7.5	< 0.1	0.5	0.8	1.9
22	Common groundsel	7.4	0.6	7.5	< 0.1	0.4	0.4	1.9
23	Perennial sow-thistle	7.4	0.4	5.0	< 0.1	0.2	0.2	1.8
24	Yellow toadflax	3.7	0.7	20.0	0.1	2.2	2.2	1.5
25	Oats	3.7	0.6	15.0	0.1	1.6	1.6	1.3
26	Prostrate knotweed	3.7	0.4	10.0	< 0.1	0.4	0.4	1.0
27	Prostrate pigweed	3.7	0.4	10.0	< 0.1	0.4	0.4	1.0
28	Foxtail barley	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9
29	Flixweed	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9
30	Wild mustard	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9
31	Pale smartweed	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9
32	American vetch	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9
33	Field peas	3.7	0.2	5.0	< 0.1	0.2	0.2	0.9

Table 88. Waldheim Plain Ecodistrict (736) in the Aspen Parkland Ecoregion (37 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	62.2	21.6	34.8	7.9	12.7	141.8	77.0
2	Wild buckwheat	59.5	23.0	38.6	3.0	5.1	29.0	52.9
3	Wild oats	51.4	16.1	31.3	4.3	8.3	77.8	50.4
4	Canada thistle	43.2	8.6	20.0	0.9	2.0	6.2	23.6
5	Lamb's-quarters	18.9	5.9	31.4	0.5	2.6	9.4	13.1
6	Quack grass	13.5	3.4	25.0	0.6	4.5	13.2	9.8
7	Spring wheat/durum	13.5	2.7	20.0	0.4	3.0	12.6	8.0
8	Russian thistle	13.5	2.7	20.0	0.3	2.0	8.0	7.4
9	Stinkweed	16.2	2.3	14.2	0.2	1.3	6.6	7.3
10	Redroot pigweed	13.5	2.2	16.0	0.3	2.3	10.2	7.0
11	Barnyard grass	8.1	1.1	13.3	0.5	6.7	18.6	5.8
12	Rose species	8.1	0.8	10.0	0.1	1.5	2.8	3.4
13	Prostrate knotweed	8.1	1.1	13.3	< 0.1	0.6	0.8	3.3
14	Wild tomato	8.1	0.9	11.7	0.1	0.8	1.2	3.2
15	Perennial sow-thistle	8.1	0.5	6.7	< 0.1	0.3	0.4	2.6
16	Round-leaved mallow	8.1	0.4	5.0	< 0.1	0.2	0.2	2.4
17	Spiny annual sow-thistle	5.4	0.7	12.5	< 0.1	0.8	0.8	2.2
18	Bluebur	5.4	0.4	7.5	0.1	1.5	2.6	2.1
19	Shepherd's-purse	5.4	0.4	7.5	< 0.1	0.6	1.0	1.9
20	Striate knotweed	5.4	0.4	7.5	< 0.1	0.5	0.8	1.8
21	Cow cockle	2.7	0.8	30.0	0.1	2.6	2.6	1.8
22	Barley	5.4	0.3	5.0	< 0.1	0.2	0.2	1.6
23	Pale smartweed	2.7	0.4	15.0	< 0.1	1.2	1.2	1.2
24	Field horsetail	2.7	0.3	10.0	< 0.1	1.6	1.6	1.1
25	Flixweed	2.7	0.1	5.0	0.1	2.4	2.4	1.1
26	Wild mustard	2.7	0.3	10.0	< 0.1	0.4	0.4	1.0
27	Prostrate pigweed	2.7	0.3	10.0	< 0.1	0.4	0.4	1.0
28	Narrow-leaved hawk's-beard	2.7	0.1	5.0	< 0.1	0.4	0.4	0.8
29	Night-flowering catchfly	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8
30	Chickweed	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8
31	Dandelion	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8
32	Hemp-nettle	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8
33	Kochia	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8
34	Scouring-rush	2.7	0.1	5.0	< 0.1	0.2	0.2	0.8

Table 89. Cudworth Plain Ecodistrict (741) in the Aspen Parkland Ecoregion (25 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	72.0	45.0	62.5	22.5	31.3	352.2	84.0
2	Wild buckwheat	80.0	33.2	41.5	3.1	3.9	14.6	41.2
3	Canada thistle	60.0	15.6	26.0	2.1	3.5	21.4	24.9
4	Lamb's-quarters	44.0	9.8	22.3	5.4	12.3	88.2	24.7
5	Green foxtail	32.0	11.4	35.6	3.7	11.7	44.2	20.2
6	Cleavers	48.0	12.2	25.4	1.3	2.6	12.8	19.0
7	Russian thistle	16.0	6.2	38.8	3.4	21.1	75.4	13.3
8	Field horsetail	4.0	4.0	100.0	3.7	93.0	93.0	10.3
9	Wild mustard	4.0	3.2	80.0	3.8	96.0	96.0	10.1
10	Perennial sow-thistle	24.0	3.0	12.5	0.4	1.5	4.4	7.1
11	Pale smartweed	12.0	2.6	21.7	0.3	2.9	7.0	4.5
12	Flax	8.0	2.8	35.0	0.4	5.3	9.2	4.0
13	Cow cockle	8.0	3.2	40.0	0.2	2.9	5.4	3.9
14	Spiny annual sow-thistle	8.0	2.6	32.5	0.3	4.2	4.2	3.7
15	Stinkweed	12.0	1.6	13.3	0.1	0.7	1.0	3.4
16	American dragonhead	8.0	1.0	12.5	0.1	0.8	1.4	2.3
17	Prostrate knotweed	8.0	0.8	10.0	0.1	0.8	1.2	2.1
18	Dandelion	8.0	0.8	10.0	< 0.1	0.4	0.4	2.1
19	Bluebur	4.0	1.6	40.0	0.1	3.4	3.4	2.0
20	Chickweed	4.0	1.0	25.0	0.3	6.8	6.8	1.9
21	Quack grass	4.0	1.0	25.0	0.1	2.6	2.6	1.6
22	Yellow sweet-clover	4.0	1.0	25.0	0.1	2.6	2.6	1.6
23	Spring wheat/durum	4.0	0.8	20.0	0.2	4.0	4.0	1.6
24	Bicknell's geranium	4.0	0.6	15.0	< 0.1	1.0	1.0	1.2
25	Round-leaved mallow	4.0	0.6	15.0	< 0.1	0.8	0.8	1.2
26	Annual sow-thistle	4.0	0.6	15.0	< 0.1	0.6	0.6	1.2
27	Witch grass	4.0	0.4	10.0	0.1	1.4	1.4	1.1
28	Shepherd's-purse	4.0	0.4	10.0	< 0.1	1.0	1.0	1.1
29	Stork's-bill	4.0	0.4	10.0	< 0.1	0.6	0.6	1.1
30	Rose species	4.0	0.2	5.0	< 0.1	0.4	0.4	0.9
31	Silverweed	4.0	0.2	5.0	< 0.1	0.4	0.4	0.9
32	White cockle	4.0	0.2	5.0	< 0.1	0.2	0.2	0.9
33	Narrow-leaved hawk's-beard	4.0	0.2	5.0	< 0.1	0.2	0.2	0.9

□

Table 90. Quill Lake Plain Ecodistrict (745) in the Aspen Parkland Ecoregion (85 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	57.6	21.6	37.4	6.3	11.0	148.4	65.8
2	Green foxtail	27.1	9.4	34.8	3.8	14.0	89.6	34.5
3	Wild buckwheat	55.3	14.6	26.4	1.2	2.2	13.0	31.8
4	Canada thistle	64.7	12.9	20.0	1.0	1.5	10.4	30.8
5	Lamb's-quarters	30.6	6.8	22.3	0.7	2.2	17.0	16.4
6	Canola (Argentine)	18.8	4.6	24.7	1.4	7.5	92.8	15.7
7	Spring wheat/durum	10.6	4.1	38.9	1.4	13.2	88.6	13.4
8	Perennial sow-thistle	29.4	3.8	13.0	0.3	1.1	8.4	11.3
9	Cleavers	23.5	3.2	13.5	0.3	1.2	9.8	9.4
10	Russian thistle	11.8	3.0	25.5	0.7	5.6	32.0	8.7
11	Shepherd's-purse	18.8	2.9	15.3	0.3	1.7	13.6	8.3
12	Dandelion	20.0	2.6	12.9	0.1	0.6	1.4	7.2
13	Field horsetail	14.1	1.2	8.3	0.2	1.1	4.2	4.8
14	Wild mustard	10.6	1.4	13.3	0.1	0.8	1.8	4.0
15	Hemp-nettle	9.4	1.3	13.8	0.1	1.2	3.0	3.8
16	Stinkweed	8.2	1.1	13.6	0.1	1.3	7.2	3.3
17	Narrow-leaved hawk's-beard	5.9	1.0	17.0	0.2	2.9	8.6	3.1
18	Pale smartweed	5.9	0.8	13.0	0.1	1.5	6.0	2.4
19	Barnyard grass	5.9	0.8	14.0	< 0.1	0.8	1.6	2.3
20	Bluebur	4.7	0.9	20.0	0.1	1.5	4.0	2.2
21	Round-leaved mallow	2.4	0.4	15.0	0.1	5.6	11.0	1.5
22	Foxtail barley	4.7	0.4	7.5	< 0.1	0.4	0.8	1.4
23	Kochia	3.5	0.4	11.7	< 0.1	1.2	2.4	1.3
24	Night-flowering catchfly	2.4	0.6	27.5	< 0.1	1.5	2.0	1.3
25	Barley	3.5	0.4	10.0	< 0.1	1.0	2.6	1.2
26	Purslane speedwell	3.5	0.4	11.7	< 0.1	0.6	1.4	1.2
27	Stork's-bill	1.2	0.4	35.0	0.1	6.8	6.8	1.1
28	White cockle	3.5	0.2	6.7	< 0.1	0.3	0.6	1.0
29	Dog mustard	1.2	0.2	20.0	0.1	8.0	8.0	1.0
30	Thyme-leaved spurge	1.2	0.2	15.0	0.1	8.0	8.0	0.9
31	Flixweed	2.4	0.2	10.0	< 0.1	0.4	0.6	0.8
32	Pineappleweed	2.4	0.2	7.5	< 0.1	0.7	1.2	0.7
33	Tansy	2.4	0.1	5.0	< 0.1	0.3	0.4	0.6
34	Chickweed	2.4	0.1	5.0	< 0.1	0.2	0.2	0.6
35	American dragonhead	2.4	0.1	5.0	< 0.1	0.2	0.2	0.6
36	Wormseed mustard	2.4	0.1	5.0	< 0.1	0.2	0.2	0.6
37	Spiny annual sow-thistle	1.2	0.2	15.0	< 0.1	1.0	1.0	0.5
38	Black medick	1.2	0.1	10.0	< 0.1	0.8	0.8	0.4
39	Canada fleabane	1.2	0.1	10.0	< 0.1	0.6	0.6	0.4
40	Annual sow-thistle	1.2	0.1	10.0	< 0.1	0.6	0.6	0.4
41	Quack grass	1.2	0.1	10.0	< 0.1	0.4	0.4	0.4
42	Common groundsel	1.2	0.1	10.0	< 0.1	0.4	0.4	0.4
43	Broad-leaved plantain	1.2	0.1	5.0	< 0.1	0.4	0.4	0.3
44	Caraway	1.2	0.1	5.0	< 0.1	0.4	0.4	0.3
45	Rough cinquefoil	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Slough grass	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Field mint	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Wild tomato	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Biennial wormwood	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Alfalfa	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 91. Touchwood Hills Upland & Whitesand Plain Ecodistricts (748 & 747) in the Aspen Parkland Ecoregion (89 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	66.3	27.1	40.8	14.4	21.7	236.8	62.4
2	Wild oats	73.0	28.1	38.5	6.1	8.4	49.4	43.5
3	Wild buckwheat	60.7	20.8	34.4	2.7	4.4	47.6	28.7
4	Canada thistle	56.2	12.2	21.8	1.7	3.1	22.0	20.4
5	Lamb's-quarters	37.1	6.9	18.6	0.9	2.5	20.4	12.2
6	Spring wheat/durum	20.2	7.4	36.4	1.5	7.4	51.8	11.3
7	Redroot pigweed	21.3	6.3	29.5	1.2	5.6	29.6	10.1
8	Flax	4.5	2.3	51.3	2.3	50.1	161.6	7.7
9	Perennial sow-thistle	16.9	5.4	32.0	0.7	4.1	21.8	7.6
10	Wild mustard	15.7	3.1	19.6	1.0	6.0	25.0	6.7
11	Dandelion	18.0	3.6	20.0	0.6	3.1	26.8	6.3
12	Cleavers	16.9	3.1	18.3	0.4	2.3	8.0	5.5
13	Pale smartweed	18.0	2.1	11.9	0.4	2.3	12.0	5.1
14	Shepherd's-purse	13.5	2.9	21.3	0.4	3.0	17.2	4.8
15	Hemp-nettle	14.6	2.3	15.8	0.4	3.0	14.2	4.7
16	Night-flowering catchfly	13.5	2.1	15.8	0.3	2.5	8.0	4.2
17	Russian thistle	10.1	2.6	25.6	0.4	4.2	11.6	4.2
18	Kochia	4.5	2.9	63.8	0.5	10.5	22.2	3.6
19	Chickweed	5.6	2.1	37.0	0.5	9.8	17.0	3.5
20	Canola (Argentine)	6.7	1.7	25.0	0.5	8.1	32.8	3.4
21	Black medick	10.1	1.5	15.0	0.3	3.4	7.8	3.4
22	Persian darnel	7.9	1.0	12.9	0.4	4.5	22.4	2.7
23	Quack grass	9.0	1.2	13.8	0.2	2.2	4.2	2.6
24	Barley	7.9	1.5	19.3	0.2	2.5	8.2	2.6
25	Annual sow-thistle	7.9	1.1	13.6	0.1	1.3	2.8	2.1
26	Prostrate knotweed	7.9	0.9	11.4	0.1	1.1	3.6	2.0
27	Yellow sweet-clover	2.2	1.5	65.0	0.3	12.2	16.2	1.9
28	Biennial wormwood	7.9	0.7	8.6	0.1	1.1	3.6	1.8
29	Narrow-leaved hawk's-beard	6.7	0.8	12.5	0.1	1.5	6.4	1.8
30	Field horsetail	7.9	0.6	7.1	0.1	1.1	2.6	1.8
31	Bluebur	6.7	0.6	9.2	< 0.1	0.7	1.0	1.5
32	Oats	3.4	0.8	25.0	0.2	5.7	10.6	1.5
33	Spiny annual sow-thistle	5.6	0.7	13.0	0.1	1.2	1.8	1.5
34	Barnyard grass	5.6	0.6	10.0	0.1	1.2	2.8	1.4
35	American dragonhead	4.5	0.4	8.8	0.1	2.5	7.2	1.2
36	Round-leaved mallow	3.4	0.6	18.3	0.1	2.6	3.6	1.1
37	Wormseed mustard	3.4	0.6	16.7	0.1	2.9	8.2	1.1
38	Downy brome	2.2	0.7	32.5	0.1	4.7	4.8	1.1
39	Foxtail barley	3.4	0.4	13.3	0.1	2.3	4.0	1.0
40	White mustard	2.2	0.7	32.5	0.1	2.8	5.0	0.9
41	Canary grass	1.1	0.7	60.0	0.1	11.0	11.0	0.9
42	Purslane speedwell	3.4	0.2	6.7	< 0.1	0.6	1.0	0.7
43	Flixweed	3.4	0.2	6.7	< 0.1	0.3	0.4	0.7
44	Pineappleweed	2.2	0.3	15.0	< 0.1	0.6	1.0	0.6
45	Smooth brome	2.2	0.3	12.5	< 0.1	1.2	1.6	0.6
46	Prickly lettuce	2.2	0.2	7.5	< 0.1	1.7	3.2	0.5
47	Stinkweed	2.2	0.2	10.0	< 0.1	0.7	1.2	0.5
48	Prostrate pigweed	2.2	0.2	7.5	< 0.1	1.0	1.6	0.5
49	Scentless chamomile	1.1	0.4	35.0	< 0.1	1.8	1.8	0.5
50	Broad-leaved plantain	2.2	0.1	5.0	< 0.1	0.5	0.8	0.4
51	Red clover	1.1	0.3	30.0	< 0.1	1.4	1.4	0.4

(Table continued on next page)

Table 91. Touchwood Hills Upland & Whitesand Plain Ecodistricts (748 & 747) in the Aspen Parkland Ecoregion (89 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
52	Dog mustard	1.1	0.2	20.0	< 0.1	0.8	0.8	0.3
53	Povertyweed	1.1	0.2	20.0	< 0.1	0.8	0.8	0.3
54	Bicknell's geranium	1.1	0.1	10.0	< 0.1	1.0	1.0	0.3
55	Aspen poplar	1.1	0.1	10.0	< 0.1	0.4	0.4	0.3
56	Toad rush	1.1	0.1	5.0	< 0.1	0.8	0.8	0.2
57	Goat's-beard	1.1	0.1	5.0	< 0.1	0.4	0.4	0.2
58	Rayless aster	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
59	Tall hedge mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
60	Tumble pigweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
61	Thyme-leaved spurge	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2
62	Fall rye	1.1	0.1	5.0	< 0.1	0.2	0.2	0.2

Table 92. Yorkton Plain & St. Lazare Plain Ecodistricts (749 & 751) in the Aspen Parkland Ecoregion (62 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	66.1	21.4	32.3	5.0	7.5	52.8	87.2
2	Canada thistle	53.2	9.7	18.2	1.0	1.8	18.2	34.6
3	Wild buckwheat	45.2	9.0	20.0	0.9	2.0	19.4	30.9
4	Green foxtail	37.1	7.4	20.0	1.3	3.6	33.0	30.6
5	Redroot pigweed	22.6	4.0	17.5	0.7	3.1	27.0	16.9
6	Field horsetail	16.1	3.2	20.0	0.5	3.0	12.6	12.5
7	Cleavers	14.5	1.9	13.3	0.3	1.8	9.4	8.4
8	Barley	11.3	2.0	17.9	0.3	2.3	7.2	7.8
9	Lamb's-quarters	11.3	1.6	14.3	0.1	1.2	5.4	6.1
10	Wild mustard	14.5	1.3	8.9	0.1	0.6	1.2	6.1
11	Dandelion	14.5	1.3	8.9	0.1	0.6	1.8	6.1
12	Hemp-nettle	11.3	1.4	12.1	0.1	1.3	3.0	5.9
13	Spring wheat/durum	8.1	2.0	25.0	0.1	1.7	3.2	5.8
14	Perennial sow-thistle	11.3	0.8	7.1	< 0.1	0.4	1.0	4.3
15	Oats	1.6	1.0	65.0	0.3	16.0	16.0	4.0
16	Coriander	1.6	1.4	85.0	0.2	11.8	11.8	3.8
17	Pale smartweed	4.8	1.0	20.0	0.1	2.1	5.8	3.3
18	Shepherd's-purse	6.5	0.8	12.5	0.1	0.9	2.6	3.2
19	Flax	4.8	0.8	16.7	0.1	1.5	3.6	2.9
20	Night-flowering catchfly	4.8	0.7	15.0	0.1	1.6	4.4	2.8
21	Chickweed	4.8	0.6	13.3	0.1	1.2	2.0	2.6
22	Borage	1.6	0.7	45.0	0.1	5.0	5.0	2.0
23	Russian thistle	4.8	0.3	6.7	< 0.1	0.3	0.6	1.8
24	Round-leaved mallow	4.8	0.3	6.7	< 0.1	0.3	0.4	1.8
25	Stinkweed	3.2	0.5	15.0	< 0.1	1.1	1.2	1.8
26	Quack grass	4.8	0.2	5.0	< 0.1	0.3	0.4	1.7
27	Black medick	1.6	0.3	20.0	0.1	4.2	4.2	1.4
28	Tumble pigweed	1.6	0.4	25.0	< 0.1	1.8	1.8	1.2
29	Absinth	1.6	0.2	10.0	< 0.1	0.4	0.4	0.7
30	Narrow-leaved hawk's-beard	1.6	0.2	10.0	< 0.1	0.4	0.4	0.7
31	Flixweed	1.6	0.1	5.0	< 0.1	0.8	0.8	0.6
32	Prostrate knotweed	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 93. Melville Plain Ecodistrict (752) in the Aspen Parkland Ecoregion (64 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	57.8	26.4	45.7	17.7	30.6	254.2	99.7
2	Wild oats	40.6	14.9	36.7	2.4	5.8	19.2	33.5
3	Lamb's-quarters	20.3	5.0	24.6	3.8	18.5	204.6	22.5
4	Canada thistle	40.6	8.3	20.4	0.8	1.9	8.6	21.3
5	Wild buckwheat	35.9	6.1	17.0	0.5	1.5	7.2	17.1
6	Spring wheat/durum	14.1	4.9	35.0	1.4	9.6	57.0	13.1
7	Barnyard grass	20.3	4.6	22.7	0.6	3.0	11.2	11.9
8	Bluebur	17.2	2.7	15.9	0.9	5.2	43.8	10.1
9	Wild mustard	18.8	3.3	17.5	0.4	2.2	9.4	9.5
10	Redroot pigweed	17.2	1.6	9.5	0.4	2.1	17.6	7.2
11	Flax	7.8	2.9	37.0	0.4	5.7	9.4	6.4
12	Dandelion	10.9	1.9	17.1	0.2	1.6	3.8	5.3
13	Russian thistle	12.5	1.2	9.4	0.1	0.5	1.4	4.6
14	Round-leaved mallow	6.3	1.6	26.3	0.2	2.8	8.4	3.9
15	Shepherd's-purse	7.8	1.4	18.0	0.1	1.4	3.6	3.8
16	Perennial sow-thistle	10.9	0.6	5.7	< 0.1	0.3	0.6	3.5
17	Narrow-leaved hawk's-beard	3.1	0.9	30.0	0.2	5.5	9.4	2.3
18	Flixweed	6.3	0.4	6.3	< 0.1	0.3	0.6	2.0
19	Field horsetail	1.6	0.9	55.0	0.2	13.8	13.8	2.0
20	Night-flowering catchfly	3.1	0.7	22.5	0.1	2.8	5.4	1.8
21	Barley	4.7	0.4	8.3	0.1	1.5	2.4	1.8
22	Kochia	3.1	0.7	22.5	< 0.1	1.4	2.6	1.7
23	Biennial wormwood	4.7	0.3	6.7	< 0.1	0.3	0.6	1.5
24	Hemp-nettle	3.1	0.5	17.5	< 0.1	1.4	1.6	1.5
25	Stinkweed	4.7	0.2	5.0	< 0.1	0.3	0.4	1.5
26	Foxtail barley	3.1	0.4	12.5	0.1	2.3	4.2	1.4
27	Annual sow-thistle	3.1	0.3	10.0	0.1	1.9	3.4	1.3
28	Field peas	3.1	0.2	7.5	< 0.1	0.9	1.6	1.1
29	Prostrate knotweed	3.1	0.2	5.0	< 0.1	0.5	0.8	1.0
30	Wormseed mustard	1.6	0.3	20.0	0.1	4.4	4.4	0.9
31	Yellow sweet-clover	1.6	0.4	25.0	< 0.1	2.0	2.0	0.9
32	Goat's-beard	1.6	0.2	10.0	< 0.1	0.4	0.4	0.6
33	American vetch	1.6	0.1	5.0	< 0.1	0.8	0.8	0.5
34	Persian darnel	1.6	0.1	5.0	< 0.1	0.4	0.4	0.5
35	Spear-leaved goosefoot	1.6	0.1	5.0	< 0.1	0.4	0.4	0.5
36	White clover	1.6	0.1	5.0	< 0.1	0.4	0.4	0.5
37	Scentsless chamomile	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Cleavers	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Pale smartweed	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5



Table 94. Indian Head Plain Ecodistrict (754) in the Aspen Parkland Ecoregion (31 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Flixweed	16.1	6.0	37.0	8.9	55.2	141.0	72.8
2	Canada thistle	45.2	14.0	31.1	2.3	5.1	29.2	55.1
3	Green foxtail	32.3	6.9	21.5	1.5	4.7	25.6	33.0
4	Wild oats	25.8	6.0	23.1	0.7	2.8	10.4	24.0
5	Wild buckwheat	32.3	4.5	14.0	0.2	0.7	2.4	20.6
6	Flax	12.9	4.7	36.3	0.6	4.8	12.6	16.7
7	Spring wheat/durum	22.6	2.1	9.3	0.1	0.5	1.8	12.2
8	Perennial sow-thistle	12.9	2.7	21.3	0.4	3.0	8.6	11.7
9	Quack grass	9.7	1.1	11.7	0.4	4.1	11.4	7.8
10	Stinkweed	9.7	1.9	20.0	0.1	1.3	2.6	7.5
11	Wild mustard	9.7	0.6	6.7	< 0.1	0.3	0.6	4.7
12	Dandelion	9.7	0.5	5.0	< 0.1	0.2	0.2	4.3
13	Field horsetail	6.5	0.6	10.0	0.1	0.9	1.0	3.7
14	Canary grass	6.5	0.5	7.5	< 0.1	0.6	0.6	3.3
15	Lamb's-quarters	6.5	0.5	7.5	< 0.1	0.3	0.4	3.2
16	Spiny annual sow-thistle	3.2	0.6	20.0	0.1	2.8	2.8	2.8
17	Pale smartweed	3.2	0.5	15.0	0.1	1.6	1.6	2.3
18	Thyme-leaved spurge	3.2	0.5	15.0	< 0.1	0.8	0.8	2.1
19	Round-leaved mallow	3.2	0.3	10.0	< 0.1	0.4	0.4	1.8
20	Kochia	3.2	0.2	5.0	0.1	1.8	1.8	1.8
21	Purslane speedwell	3.2	0.2	5.0	< 0.1	0.6	0.6	1.5
22	Cow cockle	3.2	0.2	5.0	< 0.1	0.2	0.2	1.4
23	Prickly lettuce	3.2	0.2	5.0	< 0.1	0.2	0.2	1.4
24	Shepherd's-purse	3.2	0.2	5.0	< 0.1	0.2	0.2	1.4
25	American vetch	3.2	0.2	5.0	< 0.1	0.2	0.2	1.4
26	Barley	3.2	0.2	5.0	< 0.1	0.2	0.2	1.4

Table 95. Moose Mountain Upland & Moose Mountain Ecodistricts (755 & 761) in the Aspen Parkland Ecoregion (35 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	60.0	24.0	40.0	15.8	26.4	203.4	104.4
2	Wild oats	31.4	13.0	41.4	2.3	7.4	24.4	32.2
3	Canada thistle	45.7	8.6	18.8	0.9	2.0	9.2	26.1
4	Wild buckwheat	40.0	7.1	17.9	0.5	1.3	5.4	21.3
5	Spring wheat/durum	11.4	7.7	67.5	2.3	20.3	55.4	20.6
6	Dandelion	17.1	6.1	35.8	1.0	5.6	21.8	15.3
7	Lamb's-quarters	11.4	3.7	32.5	0.7	5.9	20.6	9.9
8	Barnyard grass	17.1	2.4	14.2	0.3	1.8	6.6	8.8
9	Wild mustard	8.6	3.4	40.0	0.4	4.4	10.4	7.7
10	Flax	5.7	2.4	42.5	0.5	8.5	16.2	6.2
11	Round-leaved mallow	11.4	2.0	17.5	0.1	0.9	1.4	5.9
12	Bluebur	8.6	2.0	23.3	0.2	2.6	4.6	5.5
13	Stinkweed	11.4	1.1	10.0	0.1	0.8	1.8	4.9
14	Redroot pigweed	8.6	1.4	16.7	0.1	1.2	2.8	4.4
15	Perennial sow-thistle	8.6	0.6	6.7	0.1	0.7	0.8	3.3
16	Shepherd's-purse	8.6	0.4	5.0	< 0.1	0.3	0.4	3.0
17	Barley	2.9	1.6	55.0	0.1	4.0	4.0	3.0
18	Russian thistle	5.7	0.4	7.5	0.2	2.8	5.4	2.7
19	Canary grass	2.9	0.9	30.0	0.1	3.0	3.0	2.1
20	Cow cockle	2.9	0.9	30.0	0.1	2.2	2.2	2.0
21	Field horsetail	2.9	0.6	20.0	0.1	4.8	4.8	2.0
22	Canola (Argentine)	2.9	0.6	20.0	< 0.1	1.0	1.0	1.6
23	Annual sow-thistle	2.9	0.3	10.0	< 0.1	0.4	0.4	1.2
24	Foxtail barley	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0
25	Night-flowering catchfly	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0
26	Scentsless chamomile	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0
27	Persian darnel	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0
28	Kochia	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0
29	Spiny annual sow-thistle	2.9	0.1	5.0	< 0.1	0.2	0.2	1.0

Table 96. Kipling Plain Ecodistrict (756) in the Aspen Parkland Ecoregion (41 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	58.5	28.0	47.9	25.1	42.9	232.2	108.6
2	Wild buckwheat	63.4	14.1	22.3	1.2	2.0	8.6	30.8
3	Canada thistle	56.1	13.2	23.5	1.4	2.6	12.4	28.8
4	Spring wheat/durum	22.0	9.5	43.3	3.8	17.2	95.0	24.2
5	Lamb's-quarters	19.5	7.8	40.0	0.9	4.8	17.6	14.3
6	Barnyard grass	29.3	4.6	15.8	0.5	1.7	4.2	12.2
7	Bluebur	19.5	3.9	20.0	0.8	4.1	20.6	10.2
8	Dandelion	22.0	1.7	7.8	0.1	0.4	1.2	6.7
9	Round-leaved mallow	14.6	2.7	18.3	0.3	1.9	6.6	6.5
10	Stinkweed	12.2	2.2	18.0	0.2	1.7	3.0	5.3
11	Redroot pigweed	14.6	1.6	10.8	0.2	1.2	3.8	5.2
12	Wild mustard	12.2	1.8	15.0	0.1	1.0	1.8	4.8
13	Perennial sow-thistle	14.6	1.1	7.5	< 0.1	0.3	0.6	4.4
14	Foxtail barley	9.8	1.0	10.0	0.1	0.6	1.2	3.2
15	Flax	7.3	1.3	18.3	0.1	1.1	1.6	3.1
16	Biennial wormwood	9.8	0.6	6.3	< 0.1	0.4	0.8	2.8
17	Cleavers	2.4	1.6	65.0	0.2	9.6	9.6	2.7
18	Absinth	4.9	1.2	25.0	0.2	3.3	6.4	2.7
19	Canola (Argentine)	2.4	1.2	50.0	0.2	10.0	10.0	2.4
20	Night-flowering catchfly	4.9	1.0	20.0	0.1	1.9	2.6	2.3
21	Wild oats	7.3	0.5	6.7	< 0.1	0.5	1.0	2.2
22	Pale smartweed	4.9	0.7	15.0	0.1	2.0	2.2	2.0
23	Annual sow-thistle	4.9	0.6	12.5	< 0.1	1.0	1.4	1.8
24	Yellow foxtail	2.4	0.7	30.0	0.2	7.8	7.8	1.8
25	White cockle	4.9	0.6	12.5	< 0.1	0.5	0.6	1.7
26	Shepherd's-purse	4.9	0.5	10.0	< 0.1	0.6	1.0	1.6
27	Spiny annual sow-thistle	4.9	0.5	10.0	< 0.1	0.5	0.8	1.6
28	Smooth brome	2.4	0.7	30.0	0.1	3.6	3.6	1.5
29	Persian darnel	2.4	0.4	15.0	0.1	3.0	3.0	1.1
30	Quack grass	2.4	0.2	10.0	< 0.1	0.6	0.6	0.8
31	White clover	2.4	0.2	10.0	< 0.1	0.6	0.6	0.8
32	Russian thistle	2.4	0.1	5.0	< 0.1	0.8	0.8	0.7
33	Spear-leaved goosefoot	2.4	0.1	5.0	< 0.1	0.4	0.4	0.7
34	Kochia	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 97. Gainsborough Plain, Moose Mountain Creek Plain & Oak Lake Plain Ecodistricts (760, 762 & 763) in the Aspen Parkland Ecoregion (71 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	59.2	27.8	47.0	16.2	27.3	199.6	89.7
2	Barnyard grass	46.5	10.7	23.0	5.0	10.7	227.8	35.4
3	Wild buckwheat	63.4	16.0	25.2	1.3	2.1	11.8	31.7
4	Redroot pigweed	43.7	9.2	21.1	1.3	3.0	27.6	21.6
5	Flax	18.3	7.5	41.2	1.6	8.8	25.8	15.8
6	Lamb's-quarters	21.1	4.9	23.3	1.2	5.6	56.2	12.7
7	Canada thistle	31.0	4.2	13.6	0.3	1.1	5.0	11.3
8	Wild oats	18.3	3.7	20.0	0.6	3.2	13.6	9.0
9	Wild mustard	14.1	3.9	27.5	0.5	3.7	20.8	8.1
10	Spring wheat/durum	15.5	3.9	25.0	0.4	2.5	9.4	7.9
11	Stinkweed	16.9	2.9	17.1	0.4	2.4	16.4	7.4
12	Kochia	16.9	2.5	15.0	0.3	1.5	5.8	6.6
13	Flixweed	15.5	1.4	9.1	0.1	0.8	2.6	4.9
14	Night-flowering catchfly	9.9	2.1	21.4	0.3	2.9	12.0	4.9
15	Biennial wormwood	8.5	1.7	20.0	0.2	2.0	5.4	3.8
16	Dandelion	9.9	1.3	12.9	0.1	0.7	2.4	3.4
17	Russian thistle	9.9	1.0	10.0	0.1	1.5	8.0	3.4
18	Perennial sow-thistle	11.3	0.9	8.1	0.1	0.6	1.6	3.4
19	Thyme-leaved spurge	7.0	1.5	22.0	0.1	1.8	5.6	3.3
20	Foxtail barley	7.0	0.6	9.0	0.1	1.5	4.2	2.4
21	Round-leaved mallow	7.0	0.6	8.0	< 0.1	0.4	0.8	2.1
22	Bluebur	4.2	0.5	11.7	0.2	4.6	12.4	2.0
23	Cleavers	4.2	0.8	18.3	0.1	2.1	3.8	1.9
24	Canola (Argentine)	2.8	0.8	30.0	0.1	1.8	3.4	1.5
25	Black medick	1.4	0.9	65.0	0.1	4.2	4.2	1.3
26	Cocklebur	1.4	0.6	45.0	0.1	4.4	4.4	1.1
27	Shepherd's-purse	2.8	0.4	12.5	< 0.1	0.9	1.0	1.0
28	Yellow sweet-clover	2.8	0.1	5.0	< 0.1	0.3	0.4	0.7
29	Quack grass	1.4	0.1	5.0	< 0.1	1.2	1.2	0.4
30	Annual sow-thistle	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
31	Chickweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Spiny annual sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Corn spurry	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 98. Tramping Lake Plain, Neutral Hills & Senlac Hills Ecodistricts (767, 771 & 768) in the Moist Mixed Grassland Ecoregion (77 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	55.8	12.1	21.6	3.0	5.3	117.6	82.7
2	Stinkweed	28.6	5.8	20.5	2.1	7.3	117.4	48.6
3	Wild buckwheat	50.6	9.0	17.8	0.6	1.2	4.8	45.8
4	Green foxtail	15.6	3.4	21.7	1.0	6.1	38.2	24.6
5	Canada thistle	23.4	2.7	11.4	0.2	0.7	3.2	16.6
6	Lamb's-quarters	13.0	1.8	13.5	0.2	1.2	5.8	10.5
7	Spring wheat/durum	6.5	1.5	23.0	0.3	4.9	22.4	9.5
8	Shepherd's-purse	3.9	1.5	38.3	0.3	6.5	11.0	7.8
9	Persian darnel	3.9	1.2	31.7	0.1	3.1	6.6	5.6
10	Cow cockle	3.9	1.0	25.0	0.1	3.0	8.2	5.0
11	Flixweed	6.5	0.6	9.0	< 0.1	0.4	1.2	4.1
12	Lentils	2.6	1.0	37.5	0.1	3.0	4.4	4.0
13	Russian thistle	5.2	0.5	8.8	0.1	1.1	2.0	3.6
14	Foxtail barley	5.2	0.3	6.3	< 0.1	0.8	2.4	3.1
15	Narrow-leaved hawk's-beard	3.9	0.5	13.3	< 0.1	1.0	1.6	3.1
16	White clover	2.6	0.3	10.0	0.1	3.6	6.6	2.7
17	Field peas	1.3	0.6	50.0	0.1	4.6	4.6	2.6
18	Field horsetail	3.9	0.2	5.0	< 0.1	0.8	1.0	2.3
19	Kochia	3.9	0.3	6.7	< 0.1	0.3	0.4	2.2
20	Wild mustard	1.3	0.5	35.0	< 0.1	2.2	2.2	1.8
21	Striate knotweed	2.6	0.3	10.0	< 0.1	0.6	1.0	1.7
22	Common pepper-grass	2.6	0.2	7.5	< 0.1	0.8	1.4	1.7
23	American vetch	2.6	0.1	5.0	< 0.1	1.1	2.0	1.6
24	Perennial sow-thistle	2.6	0.1	5.0	< 0.1	0.2	0.2	1.3
25	Canola (Argentine)	2.6	0.1	5.0	< 0.1	0.2	0.2	1.3
26	Spiny annual sow-thistle	1.3	0.2	15.0	< 0.1	1.0	1.0	1.1
27	Prostrate knotweed	1.3	0.1	10.0	< 0.1	0.6	0.6	0.9
28	Annual sow-thistle	1.3	0.1	10.0	< 0.1	0.6	0.6	0.9
29	Barley	1.3	0.1	5.0	< 0.1	1.0	1.0	0.8
30	Cleavers	1.3	0.1	5.0	< 0.1	0.6	0.6	0.7
31	Wild tomato	1.3	0.1	5.0	< 0.1	0.4	0.4	0.7
32	Dandelion	1.3	0.1	5.0	< 0.1	0.2	0.2	0.7
33	Redroot pigweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 99. Goose Lake Plain Ecodistrict (770) in the Moist Mixed Grassland Ecoregion (41 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	53.7	23.2	43.2	24.9	46.4	465.6	112.5
2	Kochia	26.8	8.3	30.9	5.2	19.5	181.4	33.5
3	Wild buckwheat	36.6	7.4	20.3	1.1	2.9	14.2	25.0
4	Wild oats	34.1	4.9	14.3	0.5	1.5	5.8	19.3
5	Stinkweed	14.6	4.0	27.5	1.6	10.8	59.2	14.4
6	Russian thistle	19.5	4.5	23.1	0.5	2.8	15.8	14.0
7	Canada thistle	24.4	3.2	13.0	0.3	1.1	2.2	13.2
8	Oats	2.4	2.4	100.0	2.5	104.4	104.4	10.6
9	Lamb's-quarters	9.8	2.6	26.3	1.0	9.9	37.2	9.2
10	Spring wheat/durum	12.2	1.2	10.0	0.1	0.9	3.0	6.0
11	Common pepper-grass	4.9	2.1	42.5	0.5	10.0	19.8	5.7
12	Lentils	4.9	2.3	47.5	0.2	4.2	5.4	5.3
13	Canola (Argentine)	7.3	1.3	18.3	0.1	2.0	5.0	4.6
14	Foxtail barley	4.9	1.5	30.0	0.2	3.2	5.6	4.0
15	Redroot pigweed	7.3	0.6	8.3	< 0.1	0.5	0.8	3.4
16	Scouring-rush	4.9	0.7	15.0	0.1	2.7	4.0	3.0
17	Field horsetail	2.4	1.1	45.0	0.2	8.6	8.6	2.8
18	Rose species	2.4	0.7	30.0	0.2	9.0	9.0	2.4
19	Indian mustard	2.4	0.5	20.0	< 0.1	1.4	1.4	1.6
20	Wild mustard	2.4	0.2	10.0	< 0.1	0.6	0.6	1.2
21	Yellow sweet-clover	2.4	0.2	10.0	< 0.1	0.4	0.4	1.2
22	Annual sow-thistle	2.4	0.1	5.0	< 0.1	1.2	1.2	1.1
23	Cow cockle	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0
24	Persian darnel	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0
25	Pale smartweed	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0
26	Water smartweed	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0
27	Perennial sow-thistle	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0
28	Field peas	2.4	0.1	5.0	< 0.1	0.2	0.2	1.0

Table 100. Saskatoon Plain & Moose Wood Sand Hills Ecodistricts (772 & 776) in the Moist Mixed Grassland Ecoregion (13 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	100.0	56.5	56.5	91.9	91.9	323.4	157.4
2	Russian thistle	38.5	13.1	34.0	5.1	13.2	58.8	26.3
3	Redroot pigweed	23.1	7.7	33.3	9.7	42.0	121.8	21.5
4	Canada thistle	46.2	6.5	14.2	0.6	1.2	2.8	18.8
5	Wild oats	30.8	6.2	20.0	0.4	1.4	3.0	14.1
6	Wild buckwheat	23.1	8.5	36.7	0.5	2.3	5.0	14.1
7	Oats	7.7	5.4	70.0	3.3	42.8	42.8	9.6
8	Stinkweed	15.4	4.2	27.5	0.2	1.4	2.2	8.1
9	Scouring-rush	15.4	3.1	20.0	0.4	2.3	3.8	7.2
10	Rose species	7.7	1.5	20.0	0.3	4.2	4.2	3.7
11	Thyme-leaved spurge	7.7	1.2	15.0	0.1	1.6	1.6	3.2
12	Kochia	7.7	1.2	15.0	0.1	0.8	0.8	3.2
13	Lamb's-quarters	7.7	0.8	10.0	< 0.1	0.4	0.4	2.8
14	Round-leaved mallow	7.7	0.4	5.0	< 0.1	0.4	0.4	2.5
15	Wild mustard	7.7	0.4	5.0	< 0.1	0.2	0.2	2.5
16	Common pepper-grass	7.7	0.4	5.0	< 0.1	0.2	0.2	2.5
17	Perennial sow-thistle	7.7	0.4	5.0	< 0.1	0.2	0.2	2.5

Table 101. Elstow Plain & Minichinas Upland Ecodistricts (773 & 774) in the Moist Mixed Grassland Ecoregion (40 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	60.0	25.5	42.5	16.3	27.2	243.0	71.5
2	Wild oats	65.0	28.3	43.5	10.2	15.7	157.8	60.1
3	Canada thistle	60.0	15.1	25.2	1.7	2.8	13.2	28.7
4	Wild buckwheat	55.0	14.0	25.5	1.4	2.6	10.8	26.1
5	Russian thistle	25.0	13.5	54.0	4.3	17.2	53.8	26.0
6	Lamb's-quarters	27.5	6.5	23.6	3.1	11.3	113.2	18.4
7	Stinkweed	27.5	6.1	22.3	1.2	4.4	25.8	13.6
8	Kochia	30.0	5.0	16.7	0.8	2.7	18.2	12.3
9	Barnyard grass	5.0	2.6	52.5	1.0	20.2	39.6	5.5
10	Redroot pigweed	17.5	1.5	8.6	0.2	1.3	6.0	5.5
11	Canola (Argentine)	10.0	2.3	22.5	0.2	2.0	3.2	4.4
12	Flax	2.5	2.3	90.0	0.8	30.4	30.4	4.1
13	Cleavers	7.5	2.4	31.7	0.2	2.2	3.0	3.8
14	Dandelion	12.5	1.1	9.0	0.1	0.4	1.0	3.7
15	Cow cockle	7.5	0.6	8.3	0.1	0.7	1.2	2.2
16	Spiny annual sow-thistle	5.0	0.9	17.5	0.1	1.7	2.0	2.0
17	Perennial sow-thistle	5.0	0.4	7.5	< 0.1	0.8	1.0	1.5
18	Goat's-beard	5.0	0.4	7.5	< 0.1	0.4	0.4	1.4
19	Flixweed	5.0	0.3	5.0	< 0.1	0.4	0.6	1.3
20	Spring wheat/durum	5.0	0.3	5.0	< 0.1	0.2	0.2	1.3
21	Quack grass	2.5	0.6	25.0	0.1	2.6	2.6	1.2
22	Barley	2.5	0.6	25.0	0.1	2.6	2.6	1.2
23	American vetch	2.5	0.3	10.0	< 0.1	1.8	1.8	0.8
24	Bluebur	2.5	0.3	10.0	< 0.1	0.6	0.6	0.8
25	Rose species	2.5	0.1	5.0	< 0.1	0.8	0.8	0.7
26	Biennial wormwood	2.5	0.1	5.0	< 0.1	0.6	0.6	0.7
27	Spear-leaved goosefoot	2.5	0.1	5.0	< 0.1	0.4	0.4	0.7
28	Foxtail barley	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7



Table 102. Bear Hills & Biggar Plain Ecodistricts (775 & 778) in the Moist Mixed Grassland Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	81.8	43.6	53.3	61.0	74.6	568.4	135.3
2	Wild oats	72.7	17.3	23.8	6.4	8.8	53.6	38.1
3	Wild buckwheat	81.8	19.5	23.9	1.5	1.8	5.8	35.2
4	Russian thistle	54.5	12.7	23.3	1.0	1.9	6.4	23.3
5	Spring wheat/durum	9.1	7.7	85.0	1.8	19.6	19.6	10.6
6	Kochia	27.3	4.5	16.7	0.3	1.0	2.2	9.8
7	Lamb's-quarters	9.1	4.5	50.0	1.0	11.2	11.2	7.0
8	Cow cockle	9.1	4.1	45.0	0.5	6.0	6.0	6.0
9	Scouring-rush	18.2	1.8	10.0	0.1	0.8	1.2	5.5
10	Canada thistle	18.2	1.8	10.0	0.1	0.7	1.2	5.5
11	Foxtail barley	9.1	0.9	10.0	< 0.1	0.4	0.4	2.7
12	Flixweed	9.1	0.5	5.0	0.1	0.8	0.8	2.4
13	Stinkweed	9.1	0.5	5.0	< 0.1	0.4	0.4	2.3
14	Narrow-leaved hawk's-beard	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
15	Prostrate knotweed	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
16	Wild mustard	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
17	Redroot pigweed	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
18	Rose species	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
19	Barley	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3
20	Canola (Argentine)	9.1	0.5	5.0	< 0.1	0.2	0.2	2.3

Table 103. Rosetown Plain Ecodistrict (780) in the Moist Mixed Grassland Ecoregion (44 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Kochia	11.4	4.3	38.0	3.9	34.6	160.0	78.1
2	Wild oats	18.2	3.9	21.3	1.5	8.2	54.4	45.3
3	Stinkweed	20.5	2.6	12.8	0.2	1.1	5.0	24.1
4	Wild buckwheat	20.5	2.3	11.1	0.1	0.6	1.6	21.4
5	Lentils	9.1	3.2	35.0	0.2	2.7	7.2	19.9
6	Flixweed	11.4	2.2	19.0	0.1	1.0	2.8	15.7
7	Canada thistle	9.1	1.7	18.8	0.3	3.0	7.4	15.0
8	Green foxtail	9.1	1.9	21.3	0.2	1.8	4.0	14.3
9	Wild mustard	9.1	1.6	17.5	0.1	1.0	2.4	12.1
10	Russian thistle	9.1	0.7	7.5	0.1	0.8	2.0	8.6
11	Canola (Argentine)	9.1	0.7	7.5	< 0.1	0.5	0.8	8.2
12	Redroot pigweed	6.8	0.8	11.7	< 0.1	0.5	1.0	7.2
13	Barley	2.3	0.8	35.0	0.1	4.4	4.4	5.5
14	Prickly lettuce	4.5	0.5	10.0	< 0.1	0.5	0.6	4.5
15	Foxtail barley	4.5	0.2	5.0	< 0.1	0.2	0.2	3.5
16	Alfalfa	2.3	0.2	10.0	< 0.1	0.4	0.4	2.2
17	Rose species	2.3	0.1	5.0	< 0.1	0.4	0.4	1.8
18	Cow cockle	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
19	Narrow-leaved hawk's-beard	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
20	Lamb's-quarters	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
21	Common pepper-grass	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
22	Perennial sow-thistle	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
23	Field peas	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8
24	Spring wheat/durum	2.3	0.1	5.0	< 0.1	0.2	0.2	1.8

Table 104. Arm River Plain & Allan Hills Ecodistricts (782 & 785) in the Moist Mixed Grassland Ecoregion (75 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	64.0	25.9	40.4	3.7	5.8	38.2	84.0
2	Wild oats	42.7	15.1	35.5	1.3	3.0	17.0	40.6
3	Wild buckwheat	41.3	10.9	26.3	0.7	1.6	6.0	29.2
4	Canada thistle	29.3	8.3	28.4	0.7	2.6	12.8	24.4
5	Kochia	24.0	5.9	24.7	0.3	1.3	3.6	15.8
6	Russian thistle	16.0	4.9	30.8	0.3	1.9	5.4	12.5
7	Lamb's-quarters	20.0	4.5	22.7	0.2	1.1	3.6	12.2
8	Redroot pigweed	18.7	4.1	21.8	0.2	1.2	4.0	11.4
9	Stinkweed	17.3	3.4	19.6	0.2	1.2	5.0	10.3
10	Spring wheat/durum	9.3	2.0	21.4	0.4	4.0	24.4	8.6
11	Wild mustard	8.0	1.3	16.7	0.1	0.9	2.2	4.2
12	Perennial sow-thistle	6.7	1.4	21.0	0.1	1.3	2.2	4.1
13	Dandelion	4.0	1.4	35.0	0.1	3.3	6.4	3.9
14	Round-leaved mallow	8.0	0.9	11.7	< 0.1	0.6	1.6	3.6
15	Canada fleabane	4.0	1.2	30.0	0.1	1.6	2.8	3.0
16	Biennial wormwood	6.7	0.8	12.0	< 0.1	0.5	1.4	2.9
17	Cow cockle	4.0	0.9	23.3	0.1	1.3	2.0	2.6
18	Common pepper-grass	5.3	0.7	12.5	< 0.1	0.6	1.4	2.4
19	Lentils	2.7	0.9	35.0	< 0.1	1.6	1.8	2.1
20	Flax	4.0	0.6	15.0	< 0.1	0.9	1.8	2.1
21	Canola (Argentine)	5.3	0.4	7.5	< 0.1	0.3	0.4	2.0
22	Persian darnel	2.7	0.5	17.5	0.1	2.3	3.4	1.9
23	Narrow-leaved hawk's-beard	4.0	0.4	10.0	< 0.1	0.5	0.8	1.7
24	Thyme-leaved spurge	1.3	0.9	65.0	< 0.1	3.2	3.2	1.7
25	Night-flowering catchfly	1.3	0.5	40.0	< 0.1	2.4	2.4	1.2
26	Nodding thistle	1.3	0.5	35.0	< 0.1	2.2	2.2	1.1
27	Pygmyflower	1.3	0.3	25.0	< 0.1	3.0	3.0	1.1
28	Flixweed	2.7	0.3	10.0	< 0.1	0.5	0.8	1.1
29	Bluebur	2.7	0.2	7.5	< 0.1	0.3	0.4	1.0
30	Barnyard grass	2.7	0.1	5.0	< 0.1	0.3	0.4	0.9
31	Quack grass	2.7	0.1	5.0	< 0.1	0.3	0.4	0.9
32	Rose species	1.3	0.3	20.0	< 0.1	1.0	1.0	0.8
33	Goat's-beard	1.3	0.3	20.0	< 0.1	0.8	0.8	0.7
34	Sunflower	1.3	0.1	10.0	< 0.1	0.4	0.4	0.5
35	Spiny annual sow-thistle	1.3	0.1	5.0	< 0.1	0.6	0.6	0.5
36	Prostrate pigweed	1.3	0.1	5.0	< 0.1	0.4	0.4	0.5
37	Foxtail barley	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Cleavers	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Prostrate knotweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Shepherd's-purse	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4
41	Pale smartweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 105. Strasbourg Plain Ecodistrict (783) in the Moist Mixed Grassland Ecoregion (40 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	57.5	28.5	49.6	15.8	27.4	155.8	96.4
2	Wild buckwheat	67.5	18.4	27.2	1.9	2.8	21.2	39.3
3	Wild oats	52.5	18.9	36.0	2.2	4.2	14.6	37.2
4	Canada thistle	37.5	6.5	17.3	0.7	1.7	8.0	17.0
5	Russian thistle	30.0	6.5	21.7	0.8	2.8	11.6	15.9
6	Canola (Argentine)	5.0	3.4	67.5	2.5	49.2	84.6	13.1
7	Redroot pigweed	27.5	3.6	13.2	0.2	0.9	3.6	10.6
8	Shepherd's-purse	17.5	4.1	23.6	0.8	4.3	12.4	10.6
9	Lamb's-quarters	17.5	4.5	25.7	0.3	1.7	3.6	9.2
10	Round-leaved mallow	12.5	3.1	25.0	0.3	2.2	5.2	6.7
11	Kochia	17.5	2.0	11.4	0.1	0.8	1.8	6.4
12	Flax	5.0	1.3	25.0	0.8	15.6	31.0	5.1
13	Spring wheat/durum	7.5	2.0	26.7	0.3	4.5	8.8	4.8
14	Barnyard grass	12.5	1.1	9.0	0.1	0.7	2.0	4.3
15	Field horsetail	5.0	1.9	37.5	0.3	5.3	10.4	3.8
16	Stinkweed	7.5	1.4	18.3	0.1	1.1	2.2	3.3
17	Cleavers	5.0	1.1	22.5	0.1	1.1	1.2	2.4
18	Perennial sow-thistle	7.5	0.4	5.0	< 0.1	0.3	0.4	2.2
19	Narrow-leaved hawk's-beard	2.5	1.0	40.0	0.2	7.4	7.4	2.2
20	Flixweed	2.5	1.1	45.0	0.1	3.8	3.8	1.9
21	Wild mustard	5.0	0.3	5.0	< 0.1	0.3	0.4	1.5
22	Prostrate pigweed	2.5	0.1	5.0	< 0.1	0.8	0.8	0.8
23	Foxtail barley	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
24	Dandelion	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
25	Black medick	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
26	Common pepper-grass	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
27	Broad-leaved plantain	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
28	Pale smartweed	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7
29	Barley	2.5	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 106. Last Mountain Lake Plain Ecodistrict (784) in the Moist Mixed Grassland Ecoregion (16 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	56.3	32.2	57.2	31.6	56.1	308.6	103.6
2	Wild oats	62.5	32.5	52.0	5.1	8.2	36.6	45.1
3	Wild buckwheat	68.8	22.8	33.2	1.4	2.0	5.6	32.1
4	Kochia	50.0	15.3	30.6	0.9	1.8	4.8	22.4
5	Russian thistle	31.3	10.9	35.0	0.8	2.6	4.4	15.4
6	Redroot pigweed	25.0	9.7	38.8	0.6	2.5	3.4	12.8
7	Lamb's-quarters	25.0	9.4	37.5	0.6	2.3	3.4	12.5
8	Canada thistle	25.0	4.7	18.8	0.6	2.2	3.6	9.6
9	Stinkweed	25.0	4.4	17.5	0.3	1.3	3.2	8.9
10	Barnyard grass	6.3	6.3	100.0	1.0	16.6	16.6	7.5
11	Flax	6.3	6.3	100.0	0.7	10.4	10.4	6.7
12	Flixweed	12.5	1.3	10.0	0.1	0.5	0.8	3.6
13	Dandelion	12.5	0.9	7.5	< 0.1	0.3	0.4	3.4
14	Field horsetail	6.3	1.9	30.0	0.1	2.2	2.2	2.8
15	Canola (Argentine)	6.3	1.9	30.0	0.1	1.2	1.2	2.7
16	Dog mustard	6.3	1.6	25.0	0.1	1.0	1.0	2.5
17	False ragweed	6.3	0.9	15.0	< 0.1	0.6	0.6	2.0
18	Rose species	6.3	0.3	5.0	0.1	0.8	0.8	1.7
19	Common pepper-grass	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6
20	Thyme-leaved spurge	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6
21	Corn spurry	6.3	0.3	5.0	< 0.1	0.2	0.2	1.6

Table 107. Eyebrow Plain Ecodistrict (789) in the Moist Mixed Grassland Ecoregion (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	55.6	28.6	51.5	7.3	13.2	43.2	76.5
2	Wild oats	55.6	25.0	45.0	2.2	3.9	13.8	44.7
3	Kochia	55.6	22.8	41.0	1.6	2.9	9.8	39.8
4	Wild buckwheat	38.9	15.6	40.0	2.9	7.4	39.2	37.5
5	Redroot pigweed	33.3	11.9	35.8	1.3	3.8	11.2	24.3
6	Lamb's-quarters	27.8	8.9	32.0	0.5	1.9	3.6	16.5
7	Russian thistle	22.2	7.5	33.8	0.4	1.9	3.4	13.5
8	Stinkweed	22.2	5.0	22.5	0.7	3.3	9.0	13.4
9	Spring wheat/durum	16.7	2.2	13.3	0.1	0.7	1.2	6.5
10	Prostrate pigweed	11.1	1.4	12.5	0.1	0.5	0.6	4.1
11	Flixweed	11.1	1.1	10.0	0.1	0.5	0.6	3.9
12	Common pepper-grass	11.1	0.8	7.5	< 0.1	0.3	0.4	3.6
13	Canada thistle	5.6	0.8	15.0	0.2	4.0	4.0	3.3
14	Barnyard grass	5.6	1.4	25.0	0.1	2.6	2.6	3.2
15	Prickly lettuce	5.6	0.6	10.0	0.1	1.2	1.2	2.2
16	Rough cinquefoil	5.6	0.3	5.0	0.1	1.6	1.6	2.1
17	Dandelion	5.6	0.3	5.0	< 0.1	0.2	0.2	1.7
18	American vetch	5.6	0.3	5.0	< 0.1	0.2	0.2	1.7
19	Lentils	5.6	0.3	5.0	< 0.1	0.2	0.2	1.7

Table 108. Regina Plain Ecodistrict (792) in the Moist Mixed Grassland Ecoregion (106 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	40.6	15.8	39.0	3.1	7.6	75.6	74.6
2	Green foxtail	23.6	7.4	31.2	1.8	7.8	69.2	40.9
3	Redroot pigweed	31.1	7.4	23.8	1.0	3.2	35.4	34.1
4	Canada thistle	34.0	4.7	13.8	0.5	1.4	16.4	25.1
5	Kochia	18.9	3.9	20.8	0.4	2.2	16.2	17.6
6	Wild buckwheat	25.5	3.0	11.9	0.2	0.6	3.4	15.7
7	Wild mustard	11.3	3.4	30.4	0.5	4.0	26.8	14.7
8	Stinkweed	12.3	2.6	21.2	0.4	3.1	18.6	12.9
9	Dandelion	10.4	3.0	29.1	0.2	1.8	4.8	10.6
10	Flax	3.8	2.0	53.8	0.3	8.8	15.0	8.3
11	Foxtail barley	8.5	1.3	15.6	0.1	1.2	7.0	6.3
12	Thyme-leaved spurge	11.3	0.9	8.3	0.1	0.5	3.0	6.2
13	Barnyard grass	5.7	1.0	17.5	0.1	2.4	6.4	5.1
14	Perennial sow-thistle	5.7	0.5	9.2	< 0.1	0.7	1.0	3.3
15	Prickly lettuce	5.7	0.4	6.7	< 0.1	0.3	0.6	2.8
16	Flixweed	2.8	0.5	18.3	< 0.1	1.7	3.4	2.4
17	Spring wheat/durum	3.8	0.3	7.5	< 0.1	0.5	1.2	2.0
18	Russian thistle	1.9	0.5	25.0	< 0.1	1.9	3.4	1.8
19	Lamb's-quarters	2.8	0.3	11.7	< 0.1	0.7	1.0	1.8
20	Field bindweed	0.9	0.6	65.0	< 0.1	3.4	3.4	1.7
21	Curled dock	2.8	0.3	10.0	< 0.1	0.6	1.0	1.7
22	Bluebur	1.9	0.4	22.5	< 0.1	1.4	2.6	1.7
23	Canola (Argentine)	2.8	0.2	8.3	< 0.1	0.3	0.6	1.5
24	Biennial wormwood	2.8	0.1	5.0	< 0.1	0.4	0.6	1.4
25	Canada fleabane	1.9	0.3	15.0	< 0.1	0.8	1.4	1.3
26	Prostrate pigweed	1.9	0.3	15.0	< 0.1	0.6	1.0	1.3
27	Cow cockle	1.9	0.1	5.0	< 0.1	0.2	0.2	0.9
28	Pale smartweed	0.9	0.1	10.0	< 0.1	0.8	0.8	0.6
29	Goat's-beard	0.9	0.1	10.0	< 0.1	0.4	0.4	0.5
30	Field peas	0.9	0.1	10.0	< 0.1	0.4	0.4	0.5
31	Round-leaved mallow	0.9	< 0.1	5.0	< 0.1	0.4	0.4	0.5
32	Annual sow-thistle	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.4

Table 109. Griffin Plain & Souris River Plain Ecodistricts (794 & 796) in the Moist Mixed Grassland Ecoregion (69 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	78.3	35.8	45.7	13.6	17.4	88.4	99.3
2	Wild oats	34.8	12.5	35.8	2.7	7.6	59.2	28.4
3	Wild buckwheat	53.6	11.4	21.2	0.9	1.8	11.8	25.2
4	Redroot pigweed	27.5	6.7	24.5	3.4	12.3	179.2	24.6
5	Kochia	36.2	7.8	21.4	1.0	2.7	22.2	18.3
6	Barnyard grass	37.7	6.2	16.5	0.6	1.5	6.4	15.8
7	Canada thistle	34.8	6.2	17.7	0.7	2.0	9.0	15.5
8	Flax	11.6	6.0	51.9	1.8	15.9	49.6	14.7
9	Lamb's-quarters	11.6	4.3	37.5	0.8	6.8	24.6	9.3
10	Stinkweed	17.4	2.0	11.3	0.1	0.7	3.2	5.9
11	Dandelion	13.0	1.3	10.0	0.1	0.6	1.8	4.3
12	Spring wheat/durum	7.2	1.4	20.0	0.1	1.7	5.6	3.3
13	Round-leaved mallow	8.7	0.9	10.0	0.1	1.1	2.8	3.0
14	Russian thistle	7.2	0.8	11.0	0.1	1.8	7.4	2.8
15	Thyme-leaved spurge	8.7	0.8	9.2	< 0.1	0.4	0.6	2.7
16	Foxtail barley	7.2	0.8	11.0	0.1	0.9	2.6	2.5
17	Perennial sow-thistle	8.7	0.4	5.0	< 0.1	0.3	0.6	2.4
18	Biennial wormwood	7.2	0.7	10.0	< 0.1	0.5	1.2	2.3
19	Wild mustard	4.3	1.1	25.0	0.1	1.9	4.0	2.2
20	Pale smartweed	5.8	0.7	11.3	< 0.1	0.8	1.6	2.0
21	Bluebur	2.9	0.7	22.5	0.1	4.8	9.2	1.7
22	Shepherd's-purse	4.3	0.5	11.7	0.1	1.5	4.0	1.6
23	Yellow sweet-clover	1.4	0.9	60.0	0.1	8.4	8.4	1.5
24	Flixweed	4.3	0.5	11.7	< 0.1	0.6	1.4	1.5
25	Prickly lettuce	2.9	0.5	17.5	< 0.1	1.6	1.8	1.2
26	Curled dock	2.9	0.5	17.5	< 0.1	1.5	2.2	1.2
27	American vetch	1.4	0.5	35.0	< 0.1	2.6	2.6	0.9
28	Canola (Argentine)	2.9	0.2	7.5	< 0.1	0.5	0.8	0.9
29	Prostrate pigweed	2.9	0.1	5.0	< 0.1	0.2	0.2	0.8
30	Spiny annual sow-thistle	2.9	0.1	5.0	< 0.1	0.2	0.2	0.8
31	Sunflower	2.9	0.1	5.0	< 0.1	0.2	0.2	0.8
32	Narrow-leaved hawk's-beard	1.4	0.1	10.0	< 0.1	1.4	1.4	0.5
33	Annual sow-thistle	1.4	0.1	10.0	< 0.1	0.4	0.4	0.5
34	Unknown broad-leaved species	1.4	0.1	5.0	< 0.1	1.0	1.0	0.4
35	Field horsetail	1.4	0.1	5.0	< 0.1	0.8	0.8	0.4
36	Rose species	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
37	Black medick	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4



Table 110. Trossachs Plain Ecodistrict (795) in the Moist Mixed Grassland Ecoregion (36 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	55.6	22.5	40.5	8.5	15.3	83.2	82.8
2	Kochia	50.0	16.9	33.9	3.7	7.5	40.0	51.5
3	Wild oats	38.9	12.2	31.4	2.1	5.5	33.6	35.2
4	Barnyard grass	33.3	7.5	22.5	1.4	4.1	30.2	24.6
5	Redroot pigweed	25.0	5.1	20.6	0.7	2.8	8.4	16.2
6	Stinkweed	13.9	4.4	32.0	1.2	8.7	31.0	14.9
7	Wild buckwheat	33.3	2.8	8.3	0.2	0.5	1.2	13.2
8	Lamb's-quarters	8.3	3.1	36.7	1.1	13.1	38.8	11.2
9	Russian thistle	11.1	2.9	26.3	0.3	2.7	5.2	7.9
10	Canada thistle	16.7	1.5	9.2	0.1	0.6	1.6	6.8
11	Flax	5.6	2.2	40.0	0.3	6.1	9.8	5.7
12	Bluebur	8.3	1.5	18.3	0.1	1.5	3.4	4.7
13	Biennial wormwood	5.6	0.8	15.0	0.2	3.0	5.6	3.3
14	Foxtail barley	8.3	0.7	8.3	< 0.1	0.4	0.6	3.3
15	Thyme-leaved spurge	8.3	0.4	5.0	< 0.1	0.3	0.4	2.9
16	Dandelion	5.6	0.3	5.0	< 0.1	0.2	0.2	1.9
17	Round-leaved mallow	5.6	0.3	5.0	< 0.1	0.2	0.2	1.9
18	Black medick	2.8	0.7	25.0	0.1	2.2	2.2	1.9
19	Rose species	2.8	0.4	15.0	0.1	2.6	2.6	1.6
20	Flixweed	2.8	0.6	20.0	< 0.1	1.4	1.4	1.6
21	Canary grass	2.8	0.3	10.0	< 0.1	1.0	1.0	1.2
22	Curled dock	2.8	0.3	10.0	< 0.1	0.6	0.6	1.2
23	Spring wheat/durum	2.8	0.3	10.0	< 0.1	0.6	0.6	1.2
24	Canada fleabane	2.8	0.3	10.0	< 0.1	0.4	0.4	1.1
25	Prickly lettuce	2.8	0.3	10.0	< 0.1	0.4	0.4	1.1
26	Barley	2.8	0.1	5.0	< 0.1	0.2	0.2	1.0

Table 111. Kerrobert Plain & Bad Hills Ecodistricts (803 & 807) in the Mixed Grassland Ecoregion (24 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	54.2	13.1	24.2	1.0	1.8	5.0	70.1
2	Wild oats	29.2	7.3	25.0	0.8	2.8	8.8	44.6
3	Green foxtail	12.5	3.8	30.0	1.2	9.8	14.2	39.5
4	Stinkweed	33.3	6.3	18.8	0.4	1.3	3.0	36.1
5	Russian thistle	20.8	3.5	17.0	0.3	1.4	3.0	22.1
6	Dandelion	16.7	1.7	10.0	0.1	0.6	1.6	12.2
7	Lamb's-quarters	8.3	1.7	20.0	0.2	2.5	3.6	11.4
8	Kochia	12.5	1.5	11.7	0.1	0.5	0.6	9.3
9	Barley	8.3	1.5	17.5	0.1	0.9	1.6	8.0
10	Alfalfa	4.2	1.5	35.0	0.1	2.6	2.6	7.1
11	Wild mustard	8.3	1.0	12.5	0.1	0.8	1.0	6.9
12	White clover	4.2	0.4	10.0	0.2	4.0	4.0	6.1
13	Redroot pigweed	8.3	0.6	7.5	< 0.1	0.4	0.6	5.3
14	Cow cockle	8.3	0.4	5.0	< 0.1	0.3	0.4	4.7
15	Common pepper-grass	8.3	0.4	5.0	< 0.1	0.3	0.4	4.7
16	Spring wheat/durum	4.2	0.4	10.0	< 0.1	0.4	0.4	2.9
17	Narrow-leaved hawk's-beard	4.2	0.2	5.0	< 0.1	0.2	0.2	2.2
18	Pale smartweed	4.2	0.2	5.0	< 0.1	0.2	0.2	2.2
19	Wild tomato	4.2	0.2	5.0	< 0.1	0.2	0.2	2.2
20	Yellow sweet-clover	4.2	0.2	5.0	< 0.1	0.2	0.2	2.2

Table 112. Sibbald Plain & Oyen Upland Ecodistricts (805 & 809) in the Mixed Grassland Ecoregion (14 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	35.7	7.9	22.0	0.6	1.6	5.0	80.5
2	Kochia	35.7	5.4	15.0	0.7	2.0	8.4	76.6
3	Green foxtail	28.6	4.3	15.0	0.6	2.2	6.2	63.2
4	Wild oats	14.3	1.4	10.0	0.1	0.5	0.8	17.9
5	Russian thistle	14.3	1.1	7.5	0.1	0.5	0.8	16.4
6	Stinkweed	14.3	1.1	7.5	< 0.1	0.3	0.4	15.1
7	Dandelion	7.1	1.4	20.0	0.1	0.8	0.8	12.9
8	Cow cockle	7.1	0.7	10.0	< 0.1	0.4	0.4	8.6
9	Redroot pigweed	7.1	0.7	10.0	< 0.1	0.4	0.4	8.6

Table 113. Eston Plain Ecodistrict (808) in the Mixed Grassland Ecoregion (59 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	54.2	12.2	22.5	1.7	3.1	43.2	102.4
2	Kochia	8.5	1.4	17.0	1.7	20.2	99.8	40.4
3	Green foxtail	11.9	2.9	24.3	0.7	6.2	22.2	29.6
4	Wild mustard	18.6	3.4	18.2	0.3	1.5	5.6	27.0
5	Redroot pigweed	11.9	2.8	23.6	0.5	4.0	23.8	24.7
6	Wild buckwheat	18.6	2.6	14.1	0.2	1.0	3.8	23.0
7	Canola (Argentine)	1.7	1.2	70.0	0.2	9.0	9.0	7.6
8	Canada thistle	6.8	0.7	10.0	0.1	0.8	2.0	7.2
9	Field peas	1.7	1.2	70.0	0.1	6.8	6.8	6.9
10	Thyme-leaved spurge	6.8	0.3	5.0	< 0.1	0.2	0.2	5.4
11	Stinkweed	3.4	0.6	17.5	0.1	1.9	3.6	5.1
12	Cow cockle	5.1	0.3	6.7	< 0.1	0.3	0.4	4.4
13	Foxtail barley	5.1	0.3	5.0	< 0.1	0.2	0.2	4.1
14	Chickpeas	1.7	0.3	20.0	< 0.1	2.2	2.2	2.8
15	Dandelion	1.7	0.3	15.0	< 0.1	0.8	0.8	2.1
16	Spring wheat/durum	1.7	0.2	10.0	< 0.1	0.6	0.6	1.7
17	Russian thistle	1.7	0.1	5.0	< 0.1	0.6	0.6	1.5
18	Flixweed	1.7	0.1	5.0	< 0.1	0.2	0.2	1.4
19	Lamb's-quarters	1.7	0.1	5.0	< 0.1	0.2	0.2	1.4
20	Canary grass	1.7	0.1	5.0	< 0.1	0.2	0.2	1.4

Table 114. Coteau Hills Ecodistrict (810) in the Mixed Grassland Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	45.5	18.2	40.0	6.6	14.4	43.8	106.6
2	Wild oats	27.3	14.5	53.3	4.3	15.7	24.6	73.0
3	Kochia	18.2	6.4	35.0	2.4	13.4	25.6	39.7
4	Dandelion	9.1	5.5	60.0	0.9	9.4	9.4	21.6
5	Russian thistle	18.2	2.7	15.0	0.1	0.8	1.4	17.7
6	Spring wheat/durum	9.1	4.5	50.0	0.4	4.0	4.0	16.6
7	Lamb's-quarters	9.1	1.4	15.0	0.2	2.4	2.4	9.8
8	Flixweed	9.1	0.9	10.0	0.1	0.8	0.8	8.0
9	Wild buckwheat	9.1	0.5	5.0	< 0.1	0.4	0.4	7.0

Table 115. Beechy Hills Ecodistrict (813) in the Mixed Grassland Ecoregion (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.0	19.2	38.3	7.2	14.4	54.2	88.4
2	Kochia	41.7	14.6	35.0	1.8	4.4	15.6	44.9
3	Lamb's-quarters	16.7	8.8	52.5	3.9	23.2	44.4	42.1
4	Redroot pigweed	33.3	9.6	28.8	0.9	2.6	4.4	29.1
5	Wild buckwheat	41.7	5.4	13.0	0.3	0.7	1.4	22.4
6	Flixweed	25.0	5.8	23.3	0.5	2.1	4.8	19.3
7	Wild oats	16.7	2.9	17.5	0.3	1.6	3.0	11.0
8	Canada thistle	16.7	2.1	12.5	0.3	2.0	2.6	10.3
9	Stinkweed	16.7	0.8	5.0	0.1	0.6	1.0	7.0
10	Dandelion	8.3	0.8	10.0	0.1	0.6	0.6	4.1
11	Russian thistle	8.3	0.8	10.0	0.1	0.6	0.6	4.1
12	Wild mustard	8.3	0.8	10.0	< 0.1	0.4	0.4	4.0
13	American vetch	8.3	0.4	5.0	0.1	0.6	0.6	3.5
14	Cow cockle	8.3	0.4	5.0	< 0.1	0.2	0.2	3.3
15	Alfalfa	8.3	0.4	5.0	< 0.1	0.2	0.2	3.3
16	Field peas	8.3	0.4	5.0	< 0.1	0.2	0.2	3.3

Table 116. Chaplin Plain Ecodistrict (816) in the Mixed Grassland Ecoregion (38 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	76.3	40.1	52.6	19.1	25.1	137.8	108.9
2	Wild oats	73.7	22.5	30.5	5.6	7.6	107.6	53.0
3	Kochia	57.9	15.5	26.8	3.5	6.1	64.2	37.2
4	Wild buckwheat	39.5	8.4	21.3	0.7	1.9	11.4	18.5
5	White mustard	5.3	4.6	87.5	2.5	47.6	49.8	12.6
6	Stinkweed	23.7	4.7	20.0	0.9	3.8	19.6	12.2
7	Redroot pigweed	28.9	2.4	8.2	0.3	0.9	4.4	9.4
8	Barnyard grass	15.8	3.0	19.2	0.3	2.1	5.4	7.2
9	Canada thistle	18.4	1.7	9.3	0.2	1.2	2.2	6.3
10	Foxtail barley	15.8	0.9	5.8	< 0.1	0.3	0.8	4.5
11	Lamb's-quarters	10.5	1.6	15.0	0.1	1.0	2.0	4.1
12	Dandelion	7.9	2.0	25.0	0.2	1.9	4.8	4.0
13	Russian thistle	10.5	1.3	12.5	0.1	0.8	2.2	3.8
14	Prickly lettuce	7.9	0.8	10.0	0.1	1.2	2.8	2.8
15	Tumble pigweed	7.9	0.5	6.7	< 0.1	0.3	0.4	2.3
16	Flixweed	7.9	0.4	5.0	< 0.1	0.2	0.2	2.2
17	Biennial wormwood	5.3	0.9	17.5	< 0.1	0.8	1.4	2.1
18	Round-leaved mallow	5.3	0.5	10.0	0.1	1.2	1.2	1.8
19	Tumble mustard	5.3	0.3	5.0	< 0.1	0.2	0.2	1.5
20	Wild mustard	2.6	0.7	25.0	< 0.1	1.6	1.6	1.3
21	Barley	2.6	0.5	20.0	0.1	2.4	2.4	1.2
22	Prairie coneflower	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
23	Canada fleabane	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
24	Goat's-beard	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7
25	Sunflower	2.6	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 117. Hazlet Plain, Schuler Plain & Bindloss Plain Ecodistricts (817, 821 & 815) in the Mixed Grassland Ecoregion (20 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	65.0	21.3	32.7	4.0	6.2	31.2	101.9
2	Kochia	35.0	10.8	30.7	2.6	7.5	36.4	58.3
3	Russian thistle	35.0	8.3	23.6	1.1	3.2	13.0	38.8
4	Redroot pigweed	40.0	5.3	13.1	0.5	1.2	4.4	29.3
5	Spring wheat/durum	5.0	3.3	65.0	1.2	23.0	23.0	19.1
6	Green foxtail	25.0	3.3	13.0	0.3	1.1	2.6	18.0
7	Wild buckwheat	15.0	3.0	20.0	0.2	1.5	2.4	13.2
8	Cow cockle	10.0	0.8	7.5	< 0.1	0.4	0.6	5.5
9	Wild mustard	10.0	0.5	5.0	< 0.1	0.2	0.2	4.9
10	Prostrate knotweed	5.0	0.5	10.0	< 0.1	0.4	0.4	3.0
11	Field peas	5.0	0.5	10.0	< 0.1	0.4	0.4	3.0
12	Flixweed	5.0	0.3	5.0	< 0.1	0.4	0.4	2.6
13	Tumble pigweed	5.0	0.3	5.0	< 0.1	0.2	0.2	2.5



Table 118. Antelope Creek Plain, Great Sand Hills & Maple Creek Plain Ecodistricts (820, 819 & 827) in the Mixed Grassland Ecoregion (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	66.7	17.5	26.3	2.4	3.6	17.8	67.3
2	Green foxtail	38.9	13.6	35.0	2.0	5.2	11.0	50.4
3	Wild buckwheat	38.9	8.9	22.9	0.9	2.4	8.0	32.8
4	Wild mustard	11.1	3.9	35.0	2.1	18.8	37.4	29.8
5	Kochia	50.0	5.6	11.1	0.3	0.7	2.2	25.2
6	Russian thistle	22.2	5.3	23.8	0.6	2.8	9.4	20.0
7	Stinkweed	22.2	5.0	22.5	0.6	2.9	7.0	19.7
8	Cow cockle	11.1	3.3	30.0	0.3	2.9	5.4	11.1
9	Foxtail barley	22.2	2.2	10.0	0.1	0.5	1.0	10.4
10	Lamb's-quarters	16.7	1.1	6.7	< 0.1	0.3	0.4	6.7
11	Redroot pigweed	11.1	0.6	5.0	< 0.1	0.4	0.6	4.4
12	Flixweed	5.6	1.1	20.0	< 0.1	0.8	0.8	3.6
13	Skeletonweed	5.6	0.6	10.0	0.1	1.8	1.8	3.4
14	Barnyard grass	5.6	0.6	10.0	0.1	1.4	1.4	3.1
15	Prostrate knotweed	5.6	0.6	10.0	0.1	1.0	1.0	2.9
16	American vetch	5.6	0.6	10.0	< 0.1	0.6	0.6	2.7
17	Canola (Argentine)	5.6	0.6	10.0	< 0.1	0.4	0.4	2.6
18	Prickly lettuce	5.6	0.3	5.0	< 0.1	0.2	0.2	2.1
19	Spring wheat/durum	5.6	0.3	5.0	< 0.1	0.2	0.2	2.1

Table 119. Dirt Hills Ecodistrict (822) in the Mixed Grassland Ecoregion (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	81.8	37.7	46.1	12.5	15.3	61.8	100.0
2	Wild oats	72.7	23.2	31.9	7.9	10.9	68.4	67.9
3	Wild buckwheat	45.5	15.5	34.0	2.0	4.5	16.6	32.9
4	Kochia	63.6	6.8	10.7	0.5	0.7	2.6	24.1
5	Round-leaved mallow	9.1	8.2	90.0	2.6	28.4	28.4	19.0
6	Redroot pigweed	36.4	5.5	15.0	0.3	1.0	2.8	15.5
7	Persian darnel	9.1	5.9	65.0	1.7	18.6	18.6	13.7
8	Foxtail barley	27.3	1.4	5.0	0.1	0.2	0.2	8.4
9	Russian thistle	9.1	2.7	30.0	0.1	1.4	1.4	5.3
10	Lamb's-quarters	9.1	1.4	15.0	0.1	0.8	0.8	3.8
11	Stinkweed	9.1	1.4	15.0	0.1	0.6	0.6	3.8
12	Biennial wormwood	9.1	0.5	5.0	< 0.1	0.2	0.2	2.8
13	Alfalfa	9.1	0.5	5.0	< 0.1	0.2	0.2	2.8

Table 120. Swift Current Plateau & Gull Lake Plain Ecodistricts (825 & 824) in the Mixed Grassland Ecoregion (61 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	41.0	11.6	28.4	6.4	15.6	164.0	58.5
2	Wild oats	47.5	12.7	26.7	3.1	6.5	80.2	44.0
3	Wild buckwheat	57.4	14.2	24.7	1.6	2.8	36.4	40.6
4	Stinkweed	36.1	5.9	16.4	0.6	1.6	9.0	19.6
5	Cow cockle	19.7	5.9	30.0	0.8	4.3	30.4	16.7
6	Persian darnel	4.9	1.9	38.3	2.4	47.8	142.6	16.0
7	Kochia	27.9	4.0	14.4	0.3	1.1	7.4	13.8
8	Spring wheat/durum	11.5	4.4	38.6	0.9	8.2	33.4	13.3
9	Russian thistle	18.0	4.4	24.5	0.6	3.3	17.8	13.2
10	Redroot pigweed	24.6	3.4	14.0	0.2	1.0	4.8	11.9
11	Lamb's-quarters	16.4	2.8	17.0	0.2	1.4	3.8	8.9
12	Barnyard grass	4.9	1.9	38.3	1.0	19.3	56.8	8.6
13	Lentils	8.2	3.4	42.0	0.3	4.0	11.6	8.0
14	Foxtail barley	11.5	0.7	6.4	< 0.1	0.3	0.8	4.1
15	Flixweed	9.8	0.6	5.8	< 0.1	0.3	0.4	3.4
16	Canada thistle	6.6	0.7	10.0	0.1	1.0	1.8	2.8
17	Wild mustard	4.9	0.8	16.7	0.1	1.6	2.6	2.7
18	Prickly lettuce	4.9	0.6	11.7	< 0.1	0.5	1.0	2.1
19	Dog mustard	1.6	0.8	50.0	0.1	6.0	6.0	1.9
20	Thyme-leaved spurge	3.3	0.4	12.5	< 0.1	1.1	1.4	1.5
21	Round-leaved mallow	3.3	0.2	7.5	< 0.1	0.3	0.4	1.2
22	Prostrate knotweed	1.6	0.3	20.0	< 0.1	1.6	1.6	1.0
23	Canola (Argentine)	1.6	0.3	20.0	< 0.1	1.0	1.0	0.9
24	Green tansy mustard	1.6	0.2	10.0	< 0.1	0.4	0.4	0.7
25	Tumble mustard	1.6	0.2	10.0	< 0.1	0.4	0.4	0.7
26	American vetch	1.6	0.2	10.0	< 0.1	0.4	0.4	0.7
27	Downy brome	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
28	Dandelion	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
29	Canada fleabane	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
30	Goat's-beard	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Purslane speedwell	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5
32	Canola (Polish)	1.6	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 121. Wood River Plain Ecodistrict (826) in the Mixed Grassland Ecoregion (81 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	54.3	21.7	39.9	13.4	24.7	520.0	66.7
2	Wild oats	67.9	17.0	25.0	3.2	4.7	62.8	36.9
3	Stinkweed	35.8	11.7	32.8	4.3	12.0	103.8	29.1
4	Redroot pigweed	45.7	10.1	22.0	3.5	7.7	128.0	27.5
5	Wild buckwheat	56.8	11.4	20.0	1.6	2.8	40.6	25.4
6	Kochia	46.9	10.4	22.1	1.8	3.9	42.8	23.4
7	Russian thistle	23.5	6.2	26.6	2.4	10.1	113.4	16.6
8	Barnyard grass	25.9	5.5	21.2	2.2	8.5	67.6	16.0
9	Spring wheat/durum	16.0	6.3	39.2	0.8	4.9	12.8	10.8
10	Tumble pigweed	6.2	2.2	36.0	1.0	16.8	43.8	6.0
11	Flixweed	18.5	2.0	10.7	0.1	0.5	1.4	5.7
12	Lamb's-quarters	17.3	2.0	11.4	0.1	0.8	2.8	5.6
13	Thyme-leaved spurge	4.9	1.7	35.0	0.5	10.2	38.4	3.9
14	Cow cockle	8.6	0.9	10.7	0.1	1.2	3.8	2.8
15	Tumble mustard	6.2	1.4	23.0	0.1	2.0	6.6	2.8
16	Persian darnel	6.2	0.9	14.0	0.2	2.7	11.4	2.4
17	Prickly lettuce	8.6	0.5	5.7	< 0.1	0.2	0.4	2.2
18	Foxtail barley	7.4	0.6	8.3	< 0.1	0.4	0.8	2.1
19	Wild mustard	3.7	1.0	26.7	0.2	4.7	10.8	2.1
20	Flax	3.7	0.6	16.7	< 0.1	1.2	2.6	1.4
21	Common pepper-grass	2.5	0.4	17.5	0.2	6.2	11.8	1.3
22	Dandelion	3.7	0.4	10.0	< 0.1	0.5	0.8	1.1
23	Canada fleabane	2.5	0.4	15.0	< 0.1	0.8	1.4	0.9
24	Round-leaved mallow	2.5	0.3	12.5	< 0.1	1.3	2.2	0.8
25	White mustard	1.2	0.4	35.0	< 0.1	1.6	1.6	0.7
26	Canola (Argentine)	1.2	0.4	30.0	< 0.1	2.8	2.8	0.7
27	Field peas	2.5	0.1	5.0	< 0.1	0.3	0.4	0.6
28	Wild tomato	2.5	0.1	5.0	< 0.1	0.2	0.2	0.6
29	Curled dock	1.2	0.2	15.0	< 0.1	1.8	1.8	0.5
30	Spear-leaved goosefoot	1.2	0.2	15.0	< 0.1	0.8	0.8	0.4
31	Pygmyflower	1.2	0.2	15.0	< 0.1	0.6	0.6	0.4
32	American vetch	1.2	0.1	10.0	< 0.1	0.6	0.6	0.4
33	Biennial wormwood	1.2	0.1	10.0	< 0.1	0.6	0.6	0.4
34	Cocklebur	1.2	0.1	10.0	< 0.1	0.4	0.4	0.4
35	Annual sow-thistle	1.2	0.1	5.0	< 0.1	0.6	0.6	0.3
36	Field bindweed	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
37	Rough cinquefoil	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
38	Rose species	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
39	Alfalfa	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 122. Coteau Lake Upland Ecodistrict (830) in the Mixed Grassland Ecoregion (41 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	75.6	40.0	52.9	16.4	21.7	96.2	118.2
2	Wild oats	58.5	16.8	28.8	3.6	6.2	35.8	44.0
3	Kochia	43.9	7.0	15.8	0.9	2.1	26.0	20.7
4	Wild buckwheat	36.6	4.8	13.0	0.4	1.0	2.4	14.8
5	Redroot pigweed	24.4	4.6	19.0	0.6	2.6	20.4	12.7
6	Russian thistle	17.1	4.3	25.0	0.9	5.4	18.2	11.7
7	Lamb's-quarters	17.1	4.8	27.9	0.4	2.5	7.4	10.3
8	Stinkweed	12.2	3.0	25.0	0.9	7.5	29.0	9.3
9	Cow cockle	12.2	3.5	29.0	0.3	2.3	7.2	7.4
10	Canada thistle	12.2	2.4	20.0	0.4	3.4	15.4	6.8
11	White mustard	7.3	3.5	48.3	0.4	5.9	12.4	6.8
12	Spring wheat/durum	7.3	2.0	26.7	0.4	6.0	17.6	5.3
13	Foxtail barley	12.2	0.9	7.0	< 0.1	0.3	0.6	3.9
14	Wild mustard	7.3	1.6	21.7	0.1	1.6	2.0	3.7
15	Prickly lettuce	9.8	0.7	7.5	0.1	1.0	2.2	3.4
16	Dandelion	9.8	0.7	7.5	< 0.1	0.4	0.8	3.2
17	Persian darnel	7.3	0.9	11.7	< 0.1	0.6	1.4	2.8
18	Round-leaved mallow	4.9	0.6	12.5	0.2	4.7	8.8	2.6
19	Barnyard grass	7.3	0.4	5.0	< 0.1	0.3	0.4	2.2
20	Flax	2.4	1.1	45.0	0.1	4.0	4.0	2.0
21	Field bindweed	4.9	0.5	10.0	< 0.1	0.8	1.4	1.8
22	Curled dock	4.9	0.2	5.0	< 0.1	0.4	0.6	1.5
23	Bluebur	2.4	0.5	20.0	< 0.1	1.4	1.4	1.2
24	Canada fleabane	2.4	0.1	5.0	< 0.1	0.8	0.8	0.8
25	Flixweed	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
26	Prostrate pigweed	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
27	Canola (Argentine)	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7
28	Canola (Polish)	2.4	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 123. Lake Alma Upland Ecodistrict (831) in the Mixed Grassland Ecoregion (22 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	68.2	25.5	37.3	8.9	13.1	73.8	119.6
2	Kochia	59.1	8.9	15.0	0.7	1.3	6.2	34.3
3	Wild oats	22.7	7.3	32.0	1.2	5.4	14.0	25.6
4	Flixweed	9.1	4.3	47.5	1.3	14.7	28.4	18.3
5	Barnyard grass	18.2	3.4	18.8	0.5	2.6	4.8	13.2
6	Wild buckwheat	18.2	3.4	18.8	0.2	1.3	3.4	11.6
7	Stinkweed	22.7	1.6	7.0	0.2	0.7	1.8	9.7
8	Canada thistle	18.2	1.8	10.0	0.2	0.9	1.6	8.8
9	Redroot pigweed	18.2	1.8	10.0	0.1	0.7	2.0	8.5
10	Wild mustard	13.6	1.6	11.7	0.1	0.6	1.0	6.6
11	Black medick	9.1	1.8	20.0	0.2	1.7	3.2	6.2
12	Dandelion	13.6	1.1	8.3	0.1	0.5	1.0	5.8
13	Russian thistle	9.1	1.4	15.0	0.1	0.9	1.6	5.0
14	Spring wheat/durum	9.1	0.7	7.5	< 0.1	0.5	0.8	3.8
15	Biennial wormwood	9.1	0.7	7.5	< 0.1	0.4	0.4	3.7
16	Prickly lettuce	9.1	0.7	7.5	< 0.1	0.3	0.4	3.7
17	Flax	9.1	0.5	5.0	< 0.1	0.2	0.2	3.3
18	Foxtail barley	4.5	0.7	15.0	< 0.1	0.6	0.6	2.4
19	Spiny annual sow-thistle	4.5	0.2	5.0	< 0.1	0.4	0.4	1.7
20	Bluebur	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
21	Lamb's-quarters	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
22	Common pepper-grass	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
23	Perennial sow-thistle	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
24	Thyme-leaved spurge	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6

Table 124. Wood Mountain Plateau Ecodistrict (832) in the Mixed Grassland Ecoregion (30 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	66.7	52.5	78.8	41.7	62.6	322.6	109.1
2	Wild buckwheat	73.3	20.2	27.5	3.6	4.9	50.0	33.4
3	Stinkweed	43.3	16.3	37.7	9.0	20.7	198.0	32.7
4	Wild oats	56.7	14.8	26.2	2.3	4.1	15.8	24.6
5	Cow cockle	23.3	11.5	49.3	1.5	6.4	17.2	14.4
6	Russian thistle	33.3	7.5	22.5	0.9	2.6	10.0	12.9
7	Lamb's-quarters	26.7	5.5	20.6	1.9	7.1	52.4	11.8
8	Persian darnel	20.0	6.0	30.0	1.6	8.1	39.8	10.4
9	Redroot pigweed	30.0	4.7	15.6	0.3	1.2	4.2	9.7
10	Kochia	33.3	2.5	7.5	0.1	0.4	1.0	8.7
11	Foxtail barley	6.7	3.7	55.0	3.2	48.2	96.0	8.5
12	Flixweed	13.3	2.3	17.5	0.1	0.8	2.2	4.4
13	Field peas	6.7	2.3	35.0	0.2	2.5	4.8	3.1
14	Barnyard grass	10.0	0.8	8.3	0.1	1.4	3.8	2.8
15	Wood-sorrel species	3.3	0.5	15.0	0.6	19.4	19.4	2.0
16	Spring wheat/durum	6.7	0.7	10.0	0.1	1.1	1.2	1.9
17	Chickpeas	3.3	1.0	30.0	0.1	1.6	1.6	1.4
18	Field horsetail	3.3	0.7	20.0	0.2	5.6	5.6	1.4
19	Pale smartweed	3.3	0.3	10.0	0.1	1.6	1.6	1.0
20	Canada fleabane	3.3	0.3	10.0	< 0.1	0.8	0.8	0.9
21	Common pepper-grass	3.3	0.3	10.0	< 0.1	0.6	0.6	0.9
22	Unknown broad-leaved species	3.3	0.2	5.0	< 0.1	0.6	0.6	0.8
23	Prickly lettuce	3.3	0.2	5.0	< 0.1	0.2	0.2	0.8
24	Tumble mustard	3.3	0.2	5.0	< 0.1	0.2	0.2	0.8
25	Wild mustard	3.3	0.2	5.0	< 0.1	0.2	0.2	0.8
26	Flax	3.3	0.2	5.0	< 0.1	0.2	0.2	0.8

Table 125. Climax Plain, Wild Horse Plain, Cypress Hills & Old Man on His Back Plateau Ecodistricts (834, 833, 838 & 835) in the Mixed Grassland Ecoregion (28 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Stinkweed	39.3	10.2	25.9	6.9	17.5	168.8	60.3
2	Wild oats	57.1	14.8	25.9	4.0	7.0	57.4	56.9
3	Wild buckwheat	42.9	11.4	26.7	1.4	3.2	20.4	34.6
4	Persian darnel	17.9	6.4	36.0	2.1	11.6	36.2	24.4
5	Kochia	35.7	5.9	16.5	0.7	1.9	9.6	21.7
6	Russian thistle	17.9	5.4	30.0	0.9	5.0	17.6	16.8
7	Redroot pigweed	28.6	4.3	15.0	0.4	1.5	6.8	16.1
8	Spring wheat/durum	14.3	5.5	38.8	0.4	3.1	4.2	13.7
9	Cow cockle	14.3	2.5	17.5	0.8	5.8	22.2	11.7
10	Flixweed	14.3	2.1	15.0	0.1	0.9	1.4	7.6
11	Barnyard grass	3.6	1.8	50.0	0.7	18.4	18.4	6.8
12	Field bindweed	3.6	1.1	30.0	0.7	20.8	20.8	6.3
13	Lamb's-quarters	10.7	1.4	13.3	0.1	0.7	1.0	5.4
14	Foxtail barley	10.7	0.7	6.7	< 0.1	0.3	0.6	4.2
15	Tumble mustard	7.1	0.5	7.5	< 0.1	0.3	0.4	2.9
16	Prickly lettuce	3.6	0.5	15.0	< 0.1	1.0	1.0	1.9
17	Green foxtail	3.6	0.5	15.0	< 0.1	0.6	0.6	1.9
18	Canada thistle	3.6	0.2	5.0	< 0.1	0.6	0.6	1.4
19	Wild mustard	3.6	0.2	5.0	< 0.1	0.4	0.4	1.4
20	Goat's-beard	3.6	0.2	5.0	< 0.1	0.2	0.2	1.3
21	Small-leaved lamb's-quarters	3.6	0.2	5.0	< 0.1	0.2	0.2	1.3
22	Oats	3.6	0.2	5.0	< 0.1	0.2	0.2	1.3



Table 126. Number of fields surveyed, density, species richness and weed-free quadrats in the Extension Regions

Extension Region	Number of Fields Surveyed	Density (number/m <sup>2</sup> )	Species (number/field)	Weed-free Quadrats (%)
North West	245	35.5	5	38.9
North East	275	30.6	6	30.4
West Central	320	14.9	3	56.5
East Central	399	29.6	5	34.9
South West	363	27.8	4	41.0
South East	444	23.2	4	40.0

Table 127. Number of fields surveyed for each crop in each Extension Region

Crop	North West	North East	West Central	East Central	South West	South East
Cereal	163	170	236	255	275	276
Spring wheat	87	104	129	70	115	104
Barley	57	49	76	50	49	72
Durum	1	64	5	144	60	179
Oats	17	6	42	5	34	7
Canary seed	1	13	3	6	18	11
Oilseed	66	86	51	127	33	119
Canola	60	33	97	17	58	19
Flax	0	6	25	7	50	8
Mustard	6	12	5	9	11	14
Pulse	15	18	33	16	55	49
Peas	15	10	13	25	23	26
Lentil	0	21	3	27	22	26
Chickpea	0	2	0	3	4	4
Mixed crops	1	1	0	1	0	0

Table 128. All fields in the North West Extension Region (245 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	28.6	11.9	41.8	12.4	43.3	483.6	50.8
2	Wild oats	59.6	18.7	31.4	5.1	8.6	117.6	42.4
3	Wild buckwheat	64.9	19.5	30.0	2.6	4.0	94.4	37.0
4	Lamb's-quarters	37.6	9.5	25.3	3.9	10.4	564.4	26.7
5	Stinkweed	34.7	8.2	23.8	2.9	8.2	159.6	22.1
6	Canada thistle	40.4	8.0	19.7	1.0	2.6	32.6	17.9
7	Spring wheat/durum	14.3	4.3	29.9	1.1	8.0	93.2	9.7
8	Narrow-leaved hawk's-beard	18.4	3.5	19.0	0.4	2.2	17.0	7.9
9	Cleavers	16.3	3.6	21.8	0.4	2.6	13.2	7.5
10	Shepherd's-purse	13.9	3.3	24.1	0.6	4.3	27.6	7.3
11	Canola (Argentine)	11.8	3.1	26.4	0.8	6.6	59.6	7.2
12	Russian thistle	11.0	2.8	25.7	0.6	5.2	53.0	6.3
13	Redroot pigweed	6.1	1.5	24.7	0.9	14.8	168.2	5.1
14	Perennial sow-thistle	14.7	1.8	12.1	0.2	1.3	18.0	5.0
15	Chickweed	7.8	2.3	30.3	0.4	5.7	19.8	4.8
16	Quack grass	8.6	2.2	25.2	0.4	4.7	20.0	4.7
17	Dandelion	12.7	1.9	15.2	0.1	1.1	8.6	4.6
18	Field horsetail	10.6	1.7	16.3	0.3	2.9	14.2	4.5
19	Alfalfa	2.9	0.9	31.4	0.3	8.8	44.2	2.0
20	Bluebur	5.7	0.6	10.0	< 0.1	0.8	3.8	1.8
21	Kochia	4.1	0.7	17.0	0.1	2.3	15.4	1.7
22	Pale smartweed	4.9	0.5	10.4	0.1	1.1	5.4	1.6
23	Barley	3.7	0.7	17.8	0.1	2.2	4.6	1.5
24	Spiny annual sow-thistle	4.1	0.6	14.5	< 0.1	1.2	5.0	1.5
25	Common groundsel	4.1	0.4	10.5	< 0.1	0.8	2.0	1.3
26	Hemp-nettle	3.3	0.5	14.4	< 0.1	1.3	3.4	1.2
27	Prostrate knotweed	2.9	0.4	13.6	< 0.1	0.8	1.6	1.0
28	Yellow toadflax	3.3	0.2	7.5	< 0.1	0.7	2.2	0.9
29	Field peas	1.2	0.6	48.3	0.1	4.1	7.6	0.9
30	Wild tomato	2.0	0.3	17.0	0.1	3.1	8.8	0.9
31	American vetch	2.9	0.2	7.9	< 0.1	0.7	2.0	0.8
32	Flixweed	2.9	0.2	7.9	< 0.1	0.4	1.6	0.8
33	Thyme-leaved spurge	0.8	0.4	55.0	0.1	9.9	19.4	0.8
34	Wild mustard	2.9	0.2	6.4	< 0.1	0.4	1.0	0.8
35	Stork's-bill	2.0	0.3	15.0	< 0.1	1.0	2.0	0.7
36	Rose species	2.0	0.1	5.0	< 0.1	0.7	1.6	0.5
37	Persian darnel	1.6	0.2	12.5	< 0.1	0.8	2.2	0.5
38	White clover	1.2	0.1	10.0	< 0.1	3.7	6.6	0.5
39	Annual sow-thistle	1.6	0.1	8.8	< 0.1	0.5	1.0	0.5
40	Cow cockle	0.8	0.2	30.0	< 0.1	4.2	8.2	0.5
41	White cockle	1.2	0.2	15.0	< 0.1	1.7	3.6	0.5
42	Povertyweed	0.4	0.2	60.0	0.1	13.2	13.2	0.4
43	Night-flowering catchfly	0.8	0.2	25.0	< 0.1	1.3	2.0	0.4
44	Foxtail barley	1.2	0.1	6.7	< 0.1	0.9	2.4	0.4
45	Round-leaved mallow	1.2	0.1	8.3	< 0.1	0.4	0.8	0.3
46	Low cudweed	1.2	0.1	8.3	< 0.1	0.3	0.4	0.3
47	Bicknell's geranium	0.8	0.1	12.5	< 0.1	0.6	1.0	0.3
48	Common pepper-grass	0.8	0.1	10.0	< 0.1	1.1	1.4	0.3
49	Striate knotweed	0.8	0.1	10.0	< 0.1	0.6	1.0	0.2
50	Pineappleweed	0.8	0.1	10.0	< 0.1	0.4	0.6	0.2
51	Maple-leaved goosefoot	0.8	0.1	7.5	< 0.1	0.5	0.6	0.2
52	Wormseed mustard	0.4	0.1	20.0	< 0.1	4.8	4.8	0.2

(Table continued on next page)

Table 128. All fields in the North West Extension Region (245 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Russian pigweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
54	Corn spurry	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
55	Scentless chamomile	0.4	0.1	25.0	< 0.1	1.6	1.6	0.2
56	Lentils	0.4	0.1	20.0	< 0.1	1.6	1.6	0.2
57	Oats	0.4	0.1	15.0	< 0.1	1.6	1.6	0.2
58	Smooth brome	0.4	< 0.1	10.0	< 0.1	2.6	2.6	0.1
59	Tartary buckwheat	0.4	< 0.1	10.0	< 0.1	0.8	0.8	0.1
60	Prostrate pigweed	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
61	Spreading dogbane	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
62	Field violet	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
63	Broad-leaved plantain	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Wood whitlow-grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Biennial wormwood	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	Yellow sweet-clover	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Canola (Polish)	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 129. Cereal fields in the North West Extension Region (163 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	31.9	13.9	43.6	15.5	48.7	483.6	58.0
2	Wild oats	59.5	18.8	31.5	5.2	8.7	91.0	42.2
3	Wild buckwheat	58.3	18.0	30.9	2.8	4.7	94.4	35.1
4	Lamb's-quarters	32.5	9.3	28.7	5.3	16.2	564.4	28.3
5	Stinkweed	30.7	6.6	21.6	2.1	7.0	135.6	17.8
6	Canada thistle	37.4	7.3	19.5	1.1	2.9	32.6	17.1
7	Canola (Argentine)	16.0	3.8	24.0	1.1	6.7	59.6	9.4
8	Cleavers	13.5	3.9	28.6	0.5	3.4	13.2	7.4
9	Redroot pigweed	6.7	2.0	30.0	1.3	19.9	168.2	6.6
10	Shepherd's-purse	11.0	2.8	25.3	0.6	5.5	27.6	6.3
11	Russian thistle	10.4	2.6	25.0	0.7	6.4	53.0	6.2
12	Narrow-leaved hawk's-beard	15.3	2.5	16.6	0.3	1.6	9.6	6.1
13	Field horsetail	12.9	2.1	16.7	0.4	3.1	14.2	5.6
14	Perennial sow-thistle	13.5	2.0	14.8	0.2	1.8	18.0	5.2
15	Quack grass	9.2	2.3	25.0	0.5	5.2	20.0	5.2
16	Dandelion	13.5	2.1	15.2	0.2	1.2	8.6	5.1
17	Chickweed	8.0	2.4	30.0	0.5	6.0	19.8	5.0
18	Spring wheat/durum	9.8	1.7	16.9	0.1	1.4	7.4	3.9
19	Alfalfa	3.7	1.3	35.8	0.4	10.2	44.2	2.9
20	Kochia	4.9	0.9	17.5	0.1	2.7	15.4	2.1
21	Pale smartweed	4.9	0.6	11.3	0.1	1.5	5.4	1.7
22	Bluebur	4.9	0.5	10.0	< 0.1	0.7	2.2	1.6
23	Field peas	1.8	0.9	48.3	0.1	4.1	7.6	1.4
24	Barley	3.1	0.5	17.0	0.1	2.8	4.6	1.3
25	Hemp-nettle	3.1	0.6	19.0	0.1	1.8	3.4	1.3
26	Thyme-leaved spurge	1.2	0.7	55.0	0.1	9.9	19.4	1.2
27	Yellow toadflax	3.7	0.3	7.5	< 0.1	0.7	2.2	1.1
28	Common groundsel	3.1	0.3	11.0	< 0.1	1.1	2.0	1.0
29	Wild tomato	1.8	0.4	21.7	0.1	4.7	8.8	1.0
30	Spiny annual sow-thistle	3.1	0.2	8.0	< 0.1	0.6	1.4	0.9
31	Flixweed	3.1	0.2	8.0	< 0.1	0.5	1.6	0.9
32	Annual sow-thistle	2.5	0.2	8.8	< 0.1	0.5	1.0	0.7
33	Cow cockle	1.2	0.4	30.0	0.1	4.2	8.2	0.7
34	Wild mustard	2.5	0.2	6.3	< 0.1	0.3	0.6	0.7
35	Povertyweed	0.6	0.4	60.0	0.1	13.2	13.2	0.7
36	Prostrate knotweed	1.8	0.2	11.7	< 0.1	0.5	0.6	0.6
37	American vetch	1.8	0.2	8.3	< 0.1	0.4	0.6	0.5
38	Foxtail barley	1.8	0.1	6.7	< 0.1	0.9	2.4	0.5
39	Rose species	1.8	0.1	5.0	< 0.1	0.5	0.8	0.5
40	White cockle	1.2	0.2	12.5	< 0.1	1.9	3.6	0.5
41	Bicknell's geranium	1.2	0.2	12.5	< 0.1	0.6	1.0	0.4
42	White clover	1.2	0.1	7.5	< 0.1	2.3	4.0	0.4
43	Stork's-bill	1.2	0.1	10.0	< 0.1	0.5	0.8	0.4
44	Night-flowering catchfly	0.6	0.2	40.0	< 0.1	2.0	2.0	0.4
45	Persian darnel	0.6	0.2	30.0	< 0.1	2.2	2.2	0.3
46	Russian pigweed	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Corn spurry	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Wormseed mustard	0.6	0.1	20.0	< 0.1	4.8	4.8	0.3
49	Scentless chamomile	0.6	0.2	25.0	< 0.1	1.6	1.6	0.3
50	Oats	0.6	0.1	15.0	< 0.1	1.6	1.6	0.2
51	Smooth brome	0.6	0.1	10.0	< 0.1	2.6	2.6	0.2
52	Round-leaved mallow	0.6	0.1	15.0	< 0.1	0.8	0.8	0.2

(Table continued on next page)

Table 129. Cereal fields in the North West Extension Region (163 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Pineappleweed	0.6	0.1	15.0	< 0.1	0.6	0.6	0.2
54	Tartary buckwheat	0.6	0.1	10.0	< 0.1	0.8	0.8	0.2
55	Common pepper-grass	0.6	0.1	10.0	< 0.1	0.8	0.8	0.2
56	Low cudweed	0.6	0.1	10.0	< 0.1	0.4	0.4	0.2
57	Prostrate pigweed	0.6	0.1	10.0	< 0.1	0.4	0.4	0.2
58	Broad-leaved plantain	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Wood whitlow-grass	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
60	Biennial wormwood	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
61	Canola (Polish)	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 130. Spring wheat fields in the North West Extension Region (87 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	26.4	9.4	35.4	9.4	35.6	483.6	58.9
2	Wild oats	64.4	16.6	25.8	3.5	5.4	71.4	51.6
3	Wild buckwheat	51.7	14.8	28.7	2.9	5.6	94.4	43.7
4	Canada thistle	34.5	6.7	19.5	1.1	3.1	32.6	21.7
5	Canola (Argentine)	14.9	4.5	30.0	1.2	7.8	41.8	14.3
6	Lamb's-quarters	24.1	4.2	17.4	0.6	2.4	10.0	13.8
7	Cleavers	13.8	4.4	32.1	0.6	4.1	13.2	11.3
8	Stinkweed	23.0	3.2	13.8	0.3	1.4	9.4	11.1
9	Narrow-leaved hawk's-beard	12.6	2.4	19.1	0.3	2.1	9.2	7.3
10	Quack grass	8.0	2.1	26.4	0.5	6.3	20.0	6.8
11	Field horsetail	10.3	1.7	16.7	0.5	4.5	14.2	6.8
12	Russian thistle	8.0	1.6	20.0	0.4	4.4	26.0	5.5
13	Perennial sow-thistle	11.5	1.2	10.5	0.1	0.7	1.8	4.8
14	Chickweed	5.7	1.5	26.0	0.3	5.3	19.8	4.6
15	Kochia	6.9	1.4	20.0	0.2	3.4	15.4	4.5
16	Dandelion	6.9	1.2	17.5	0.1	1.2	3.6	3.6
17	Shepherd's-purse	6.9	1.0	14.2	0.1	1.3	3.8	3.4
18	Alfalfa	1.1	0.4	35.0	0.5	44.2	44.2	3.0
19	Wild tomato	2.3	0.5	22.5	0.1	5.8	8.8	1.8
20	Barley	3.4	0.5	13.3	0.1	2.2	4.6	1.8
21	Bluebur	3.4	0.3	10.0	< 0.1	0.6	0.8	1.4
22	Common groundsel	3.4	0.3	8.3	< 0.1	0.9	2.0	1.4
23	Pale smartweed	2.3	0.3	15.0	0.1	2.9	5.4	1.3
24	Hemp-nettle	2.3	0.4	17.5	< 0.1	2.0	3.4	1.3
25	Field peas	1.1	0.6	50.0	0.1	4.6	4.6	1.2
26	Yellow toadflax	2.3	0.3	12.5	< 0.1	1.5	2.2	1.1
27	Night-flowering catchfly	1.1	0.5	40.0	< 0.1	2.0	2.0	0.9
28	Prostrate knotweed	2.3	0.2	10.0	< 0.1	0.5	0.6	0.9
29	Redroot pigweed	2.3	0.2	7.5	< 0.1	0.4	0.6	0.8
30	Annual sow-thistle	2.3	0.2	7.5	< 0.1	0.4	0.6	0.8
31	Persian darnel	1.1	0.3	30.0	< 0.1	2.2	2.2	0.8
32	American vetch	2.3	0.1	5.0	< 0.1	0.3	0.4	0.8
33	Foxtail barley	2.3	0.1	5.0	< 0.1	0.2	0.2	0.8
34	Flixweed	2.3	0.1	5.0	< 0.1	0.2	0.2	0.8
35	Spiny annual sow-thistle	2.3	0.1	5.0	< 0.1	0.2	0.2	0.8
36	Oats	1.1	0.2	15.0	< 0.1	1.6	1.6	0.6
37	Round-leaved mallow	1.1	0.2	15.0	< 0.1	0.8	0.8	0.5
38	Tartary buckwheat	1.1	0.1	10.0	< 0.1	0.8	0.8	0.5
39	Common pepper-grass	1.1	0.1	10.0	< 0.1	0.8	0.8	0.5
40	Thyme-leaved spurge	1.1	0.1	10.0	< 0.1	0.4	0.4	0.5
41	White clover	1.1	0.1	5.0	< 0.1	0.6	0.6	0.4
42	Cow cockle	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
43	White cockle	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
44	Wild mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
45	Biennial wormwood	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
46	Spring wheat/durum	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 131. Barley fields in the North West Extension Region (57 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	33.3	18.1	54.2	21.3	63.9	355.2	63.6
2	Wild oats	56.1	21.1	37.7	6.2	11.0	88.4	37.6
3	Wild buckwheat	68.4	22.8	33.3	3.0	4.3	24.0	34.2
4	Lamb's-quarters	40.4	14.7	36.5	3.8	9.3	91.4	25.3
5	Stinkweed	38.6	10.4	26.8	3.1	7.9	83.0	20.6
6	Canada thistle	38.6	8.6	22.3	1.2	3.2	18.0	15.5
7	Shepherd's-purse	15.8	6.0	37.8	1.5	9.5	27.6	10.1
8	Russian thistle	12.3	4.5	36.4	1.3	10.9	53.0	8.1
9	Canola (Argentine)	15.8	3.7	23.3	1.2	7.8	59.6	8.0
10	Perennial sow-thistle	17.5	3.6	20.5	0.6	3.2	18.0	6.8
11	Narrow-leaved hawk's-beard	21.1	3.2	15.4	0.3	1.4	9.6	6.7
12	Spring wheat/durum	21.1	3.2	15.0	0.2	1.1	5.4	6.5
13	Cleavers	14.0	3.8	26.9	0.4	2.6	8.8	5.9
14	Chickweed	10.5	3.5	33.3	0.6	5.5	19.0	5.5
15	Dandelion	19.3	2.3	11.8	0.1	0.7	3.2	5.4
16	Quack grass	10.5	2.9	27.5	0.6	5.3	15.2	5.1
17	Field horsetail	15.8	1.9	12.2	0.2	1.3	3.6	4.6
18	Redroot pigweed	8.8	1.5	17.0	0.2	1.9	4.8	3.0
19	Thyme-leaved spurge	1.8	1.8	100.0	0.3	19.4	19.4	2.2
20	Field peas	3.5	1.7	47.5	0.1	3.9	7.6	2.1
21	Alfalfa	3.5	1.4	40.0	0.1	3.1	5.6	1.8
22	Pale smartweed	7.0	0.4	6.3	< 0.1	0.3	0.4	1.6
23	Povertyweed	1.8	1.1	60.0	0.2	13.2	13.2	1.5
24	Bluebur	5.3	0.6	11.7	0.1	1.1	2.2	1.5
25	Spiny annual sow-thistle	5.3	0.5	10.0	< 0.1	0.9	1.4	1.4
26	Yellow toadflax	5.3	0.3	5.0	< 0.1	0.3	0.4	1.2
27	Hemp-nettle	3.5	0.5	15.0	< 0.1	0.7	0.8	1.1
28	Annual sow-thistle	3.5	0.4	10.0	< 0.1	0.6	1.0	0.9
29	Stork's-bill	3.5	0.4	10.0	< 0.1	0.5	0.8	0.9
30	Kochia	3.5	0.4	10.0	< 0.1	0.4	0.6	0.9
31	Wild mustard	3.5	0.3	7.5	< 0.1	0.4	0.6	0.9
32	Rose species	3.5	0.2	5.0	< 0.1	0.5	0.8	0.8
33	Flixweed	3.5	0.2	5.0	< 0.1	0.2	0.2	0.8
34	Wormseed mustard	1.8	0.4	20.0	0.1	4.8	4.8	0.7
35	Scentless chamomile	1.8	0.4	25.0	< 0.1	1.6	1.6	0.7
36	White clover	1.8	0.2	10.0	0.1	4.0	4.0	0.6
37	Common groundsel	1.8	0.3	15.0	< 0.1	1.2	1.2	0.5
38	Smooth brome	1.8	0.2	10.0	< 0.1	2.6	2.6	0.5
39	Foxtail barley	1.8	0.2	10.0	< 0.1	2.4	2.4	0.5
40	Prostrate knotweed	1.8	0.3	15.0	< 0.1	0.6	0.6	0.5
41	Pineappleweed	1.8	0.3	15.0	< 0.1	0.6	0.6	0.5
42	Low cudweed	1.8	0.2	10.0	< 0.1	0.4	0.4	0.5
43	Prostrate pigweed	1.8	0.2	10.0	< 0.1	0.4	0.4	0.5
44	Bicknell's geranium	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
45	Russian pigweed	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
46	Broad-leaved plantain	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
47	Corn spurry	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
48	Wood whitlow-grass	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
49	Canola (Polish)	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 132. Oat fields in the North West Extension Region (17 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	52.9	18.5	35.0	35.0	66.1	564.4	52.4
2	Green foxtail	58.8	24.7	42.0	29.4	50.0	216.6	51.7
3	Wild oats	47.1	23.8	50.6	11.4	24.3	91.0	32.3
4	Redroot pigweed	23.5	13.5	57.5	12.3	52.3	168.2	23.3
5	Wild buckwheat	58.8	19.7	33.5	1.8	3.0	9.0	22.5
6	Stinkweed	35.3	11.8	33.3	8.7	24.6	135.6	20.7
7	Canada thistle	52.9	6.8	12.8	0.6	1.1	2.6	12.9
8	Dandelion	29.4	5.9	20.0	0.6	2.2	8.6	8.7
9	Alfalfa	17.6	5.9	33.3	0.6	3.7	8.8	6.9
10	Field horsetail	17.6	5.3	30.0	0.8	4.3	7.4	6.6
11	Spring wheat/durum	17.6	5.0	28.3	0.5	2.9	7.4	6.2
12	Chickweed	11.8	3.5	30.0	1.1	9.3	16.4	5.0
13	Canola (Argentine)	23.5	1.5	6.3	0.1	0.3	0.6	4.6
14	Shepherd's-purse	17.6	1.8	10.0	0.3	1.5	3.4	4.1
15	Russian thistle	17.6	1.8	10.0	0.1	0.6	1.2	3.9
16	Barley	11.8	2.6	22.5	0.4	3.6	3.8	3.8
17	Pale smartweed	11.8	2.1	17.5	0.3	2.4	4.6	3.3
18	Cleavers	11.8	1.8	15.0	0.3	2.2	4.2	3.1
19	Quack grass	11.8	1.5	12.5	0.1	0.9	1.4	2.8
20	Narrow-leaved hawk's-beard	11.8	1.2	10.0	0.1	0.5	0.6	2.6
21	Bluebur	11.8	0.9	7.5	< 0.1	0.4	0.4	2.4
22	Perennial sow-thistle	11.8	0.9	7.5	< 0.1	0.3	0.4	2.4
23	Hemp-nettle	5.9	1.8	30.0	0.2	3.4	3.4	2.2
24	White cockle	5.9	1.2	20.0	0.2	3.6	3.6	1.8
25	Wild tomato	5.9	1.2	20.0	0.2	2.6	2.6	1.8
26	Flixweed	5.9	1.2	20.0	0.1	1.6	1.6	1.7
27	Bicknell's geranium	5.9	1.2	20.0	0.1	1.0	1.0	1.7
28	Common groundsel	5.9	0.9	15.0	0.1	1.6	1.6	1.5
29	American vetch	5.9	0.9	15.0	< 0.1	0.6	0.6	1.5
30	Rose species	5.9	0.3	5.0	< 0.1	0.6	0.6	1.1
31	Yellow toadflax	5.9	0.3	5.0	< 0.1	0.4	0.4	1.1
32	Wild mustard	5.9	0.3	5.0	< 0.1	0.2	0.2	1.1
33	Russian pigweed	5.9	0.3	5.0	< 0.1	0.2	0.2	1.1
34	Corn spurry	5.9	0.3	5.0	< 0.1	0.2	0.2	1.1



Table 133. Oilseed fields in the North West Extension Region (66 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	62.1	19.3	31.1	5.1	8.3	117.6	43.7
2	Green foxtail	27.3	10.0	36.7	7.6	27.8	237.0	38.3
3	Stinkweed	45.5	12.7	27.8	5.2	11.4	159.6	35.6
4	Wild buckwheat	77.3	20.0	25.9	1.6	2.1	21.8	35.2
5	Spring wheat/durum	24.2	10.2	42.2	3.7	15.2	93.2	24.8
6	Lamb's-quarters	48.5	9.6	19.8	1.3	2.6	25.4	20.6
7	Canada thistle	43.9	9.6	21.9	0.9	2.1	13.2	18.7
8	Shepherd's-purse	22.7	5.2	22.7	0.7	3.0	11.0	10.5
9	Narrow-leaved hawk's-beard	19.7	4.4	22.3	0.7	3.6	17.0	9.4
10	Cleavers	24.2	3.4	14.1	0.4	1.8	7.4	8.5
11	Russian thistle	13.6	3.0	21.7	0.3	2.2	9.0	5.8
12	Quack grass	7.6	2.3	30.0	0.3	4.3	7.0	4.3
13	Dandelion	12.1	2.0	16.3	0.1	0.9	2.2	4.1
14	Chickweed	6.1	2.0	33.8	0.4	6.7	13.0	4.1
15	Perennial sow-thistle	13.6	1.3	9.4	0.1	0.6	1.4	3.8
16	Field horsetail	7.6	1.1	15.0	0.2	2.3	5.0	2.8
17	Canola (Argentine)	3.0	1.7	57.5	0.2	8.2	15.8	2.8
18	Spiny annual sow-thistle	6.1	1.4	22.5	0.1	2.1	5.0	2.6
19	Bluebur	7.6	0.8	11.0	0.1	0.9	3.8	2.3
20	Common groundsel	7.6	0.8	10.0	< 0.1	0.5	1.0	2.1
21	Barley	4.5	1.1	23.3	0.1	1.6	3.8	1.9
22	Pale smartweed	6.1	0.5	8.8	< 0.1	0.5	0.8	1.6
23	Redroot pigweed	4.5	0.5	11.7	< 0.1	0.9	1.8	1.4
24	Stork's-bill	3.0	0.5	17.5	< 0.1	1.2	2.0	1.1
25	Kochia	3.0	0.5	15.0	< 0.1	1.0	1.4	1.0
26	Prostrate knotweed	3.0	0.4	12.5	< 0.1	0.8	1.4	0.9
27	American vetch	3.0	0.2	7.5	< 0.1	1.2	2.0	0.9
28	Striate knotweed	3.0	0.3	10.0	< 0.1	0.6	1.0	0.8
29	Yellow toadflax	3.0	0.2	7.5	< 0.1	0.8	0.8	0.8
30	White clover	1.5	0.2	15.0	0.1	6.6	6.6	0.8
31	Maple-leaved goosefoot	3.0	0.2	7.5	< 0.1	0.5	0.6	0.8
32	Rose species	3.0	0.2	5.0	< 0.1	1.0	1.6	0.8
33	Persian darnel	3.0	0.2	7.5	< 0.1	0.3	0.4	0.8
34	Flixweed	3.0	0.2	7.5	< 0.1	0.3	0.4	0.8
35	Wild mustard	3.0	0.2	7.5	< 0.1	0.3	0.4	0.8
36	Hemp-nettle	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
37	White cockle	1.5	0.3	20.0	< 0.1	1.4	1.4	0.6
38	Wild tomato	1.5	0.2	15.0	< 0.1	0.8	0.8	0.5
39	Common pepper-grass	1.5	0.2	10.0	< 0.1	1.4	1.4	0.5
40	Night-flowering catchfly	1.5	0.2	10.0	< 0.1	0.6	0.6	0.4
41	Spreading dogbane	1.5	0.1	5.0	< 0.1	0.4	0.4	0.4
42	Field violet	1.5	0.1	5.0	< 0.1	0.4	0.4	0.4
43	Low cudweed	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Round-leaved mallow	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Pineappleweed	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Alfalfa	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Yellow sweet-clover	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 134. Canola fields in the North West Extension Region (60 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	61.7	19.0	30.8	5.3	8.5	117.6	42.7
2	Green foxtail	23.3	10.7	45.7	8.3	35.7	237.0	39.1
3	Wild buckwheat	80.0	21.2	26.5	1.8	2.2	21.8	36.6
4	Stinkweed	43.3	11.2	25.8	5.2	12.1	159.6	33.3
5	Spring wheat/durum	23.3	10.2	43.6	3.9	16.7	93.2	24.6
6	Lamb's-quarters	46.7	10.2	21.8	1.4	3.0	25.4	20.8
7	Canada thistle	45.0	10.2	22.6	1.0	2.2	13.2	19.2
8	Shepherd's-purse	23.3	5.6	23.9	0.7	3.1	11.0	10.9
9	Narrow-leaved hawk's-beard	20.0	4.6	22.9	0.7	3.7	17.0	9.5
10	Cleavers	26.7	3.8	14.1	0.5	1.8	7.4	9.3
11	Chickweed	6.7	2.3	33.8	0.4	6.7	13.0	4.4
12	Quack grass	6.7	2.4	36.3	0.4	5.3	7.0	4.2
13	Perennial sow-thistle	15.0	1.4	9.4	0.1	0.6	1.4	4.1
14	Dandelion	11.7	1.9	16.4	0.1	0.9	2.2	3.9
15	Russian thistle	10.0	1.3	12.5	0.1	1.5	6.4	3.3
16	Field horsetail	8.3	1.3	15.0	0.2	2.3	5.0	3.1
17	Spiny annual sow-thistle	6.7	1.5	22.5	0.1	2.1	5.0	2.8
18	Bluebur	8.3	0.9	11.0	0.1	0.9	3.8	2.5
19	Canola (Argentine)	1.7	1.7	100.0	0.3	15.8	15.8	2.4
20	Common groundsel	8.3	0.8	10.0	< 0.1	0.5	1.0	2.3
21	Barley	5.0	1.2	23.3	0.1	1.6	3.8	2.1
22	Pale smartweed	6.7	0.6	8.8	< 0.1	0.5	0.8	1.8
23	Redroot pigweed	5.0	0.6	11.7	< 0.1	0.9	1.8	1.5
24	Stork's-bill	3.3	0.6	17.5	< 0.1	1.2	2.0	1.2
25	Kochia	3.3	0.5	15.0	< 0.1	1.0	1.4	1.1
26	Prostrate knotweed	3.3	0.4	12.5	< 0.1	0.8	1.4	1.0
27	Striate knotweed	3.3	0.3	10.0	< 0.1	0.6	1.0	0.9
28	Maple-leaved goosefoot	3.3	0.3	7.5	< 0.1	0.5	0.6	0.9
29	White clover	1.7	0.3	15.0	0.1	6.6	6.6	0.8
30	Rose species	3.3	0.2	5.0	< 0.1	1.0	1.6	0.8
31	Persian darnel	3.3	0.3	7.5	< 0.1	0.3	0.4	0.8
32	Flixweed	3.3	0.3	7.5	< 0.1	0.3	0.4	0.8
33	Wild mustard	3.3	0.3	7.5	< 0.1	0.3	0.4	0.8
34	Hemp-nettle	3.3	0.2	5.0	< 0.1	0.2	0.2	0.8
35	White cockle	1.7	0.3	20.0	< 0.1	1.4	1.4	0.6
36	Wild tomato	1.7	0.3	15.0	< 0.1	0.8	0.8	0.5
37	Common pepper-grass	1.7	0.2	10.0	< 0.1	1.4	1.4	0.5
38	American vetch	1.7	0.1	5.0	< 0.1	2.0	2.0	0.5
39	Night-flowering catchfly	1.7	0.2	10.0	< 0.1	0.6	0.6	0.5
40	Yellow toadflax	1.7	0.1	5.0	< 0.1	0.8	0.8	0.4
41	Spreading dogbane	1.7	0.1	5.0	< 0.1	0.4	0.4	0.4
42	Field violet	1.7	0.1	5.0	< 0.1	0.4	0.4	0.4
43	Low cudweed	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
44	Round-leaved mallow	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
45	Pineappleweed	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
46	Alfalfa	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
47	Yellow sweet-clover	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 135. Pulse fields in the North West Extension Region (15 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	80.0	30.3	37.9	4.9	6.1	43.2	73.6
2	Wild oats	46.7	14.7	31.4	4.2	9.0	35.8	49.0
3	Canada thistle	60.0	8.3	13.9	1.1	1.9	8.8	26.2
4	Lamb's-quarters	46.7	11.7	25.0	0.7	1.6	3.6	24.0
5	Narrow-leaved hawk's-beard	46.7	10.0	21.4	0.9	1.9	5.8	23.5
6	Stinkweed	33.3	7.0	21.0	0.6	1.8	4.6	16.5
7	Spring wheat/durum	20.0	6.7	33.3	1.0	5.1	8.2	16.3
8	Russian thistle	6.7	5.0	75.0	0.8	11.8	11.8	10.8
9	Perennial sow-thistle	33.3	1.7	5.0	0.1	0.3	0.4	8.5
10	Chickweed	13.3	3.3	25.0	0.2	1.5	1.8	6.8
11	Prostrate knotweed	13.3	2.3	17.5	0.1	1.1	1.6	5.6
12	American vetch	13.3	1.0	7.5	0.1	0.7	1.2	4.1
13	Shepherd's-purse	6.7	1.7	25.0	0.2	3.0	3.0	4.0
14	Cleavers	13.3	1.0	7.5	0.1	0.5	0.8	3.9
15	Canola (Argentine)	6.7	1.7	25.0	0.1	1.4	1.4	3.4
16	Lentils	6.7	1.3	20.0	0.1	1.6	1.6	3.2
17	Spiny annual sow-thistle	6.7	1.0	15.0	< 0.1	0.6	0.6	2.4
18	Hemp-nettle	6.7	0.7	10.0	0.1	1.0	1.0	2.3
19	Low cudweed	6.7	0.7	10.0	< 0.1	0.4	0.4	2.0
20	Wild mustard	6.7	0.3	5.0	0.1	1.0	1.0	2.0
21	Barley	6.7	0.3	5.0	0.1	1.0	1.0	2.0
22	Wild tomato	6.7	0.3	5.0	< 0.1	0.4	0.4	1.7
23	Bluebur	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
24	Dandelion	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
25	Persian darnel	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
26	Quack grass	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
27	Redroot pigweed	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7

Table 136. Pea fields in the North West Extension Region (15 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	80.0	30.3	37.9	4.9	6.1	43.2	73.6
2	Wild oats	46.7	14.7	31.4	4.2	9.0	35.8	49.0
3	Canada thistle	60.0	8.3	13.9	1.1	1.9	8.8	26.2
4	Lamb's-quarters	46.7	11.7	25.0	0.7	1.6	3.6	24.0
5	Narrow-leaved hawk's-beard	46.7	10.0	21.4	0.9	1.9	5.8	23.5
6	Stinkweed	33.3	7.0	21.0	0.6	1.8	4.6	16.5
7	Spring wheat/durum	20.0	6.7	33.3	1.0	5.1	8.2	16.3
8	Russian thistle	6.7	5.0	75.0	0.8	11.8	11.8	10.8
9	Perennial sow-thistle	33.3	1.7	5.0	0.1	0.3	0.4	8.5
10	Chickweed	13.3	3.3	25.0	0.2	1.5	1.8	6.8
11	Prostrate knotweed	13.3	2.3	17.5	0.1	1.1	1.6	5.6
12	American vetch	13.3	1.0	7.5	0.1	0.7	1.2	4.1
13	Shepherd's-purse	6.7	1.7	25.0	0.2	3.0	3.0	4.0
14	Cleavers	13.3	1.0	7.5	0.1	0.5	0.8	3.9
15	Canola (Argentine)	6.7	1.7	25.0	0.1	1.4	1.4	3.4
16	Lentils	6.7	1.3	20.0	0.1	1.6	1.6	3.2
17	Spiny annual sow-thistle	6.7	1.0	15.0	< 0.1	0.6	0.6	2.4
18	Hemp-nettle	6.7	0.7	10.0	0.1	1.0	1.0	2.3
19	Low cudweed	6.7	0.7	10.0	< 0.1	0.4	0.4	2.0
20	Wild mustard	6.7	0.3	5.0	0.1	1.0	1.0	2.0
21	Barley	6.7	0.3	5.0	0.1	1.0	1.0	2.0
22	Wild tomato	6.7	0.3	5.0	< 0.1	0.4	0.4	1.7
23	Bluebur	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
24	Dandelion	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
25	Persian darnel	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
26	Quack grass	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7
27	Redroot pigweed	6.7	0.3	5.0	< 0.1	0.2	0.2	1.7

Table 137. All fields in the North East Extension Region (275 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	61.5	25.2	41.0	7.3	11.9	352.2	52.9
2	Wild buckwheat	64.7	19.2	29.7	1.7	2.7	22.2	30.8
3	Green foxtail	24.0	7.7	32.2	5.7	23.5	397.4	28.2
4	Lamb's-quarters	42.5	11.0	25.9	2.0	4.7	127.0	21.9
5	Canada thistle	56.7	11.0	19.5	0.9	1.6	13.2	20.7
6	Field horsetail	26.5	6.7	25.2	0.9	3.4	23.4	12.4
7	Spring wheat/durum	12.7	3.9	30.9	2.1	16.5	280.8	11.9
8	Cleavers	29.1	5.8	19.8	0.7	2.3	50.2	11.3
9	Redroot pigweed	3.6	0.9	25.0	3.0	82.9	758.4	11.1
10	Canola (Argentine)	18.9	4.1	21.4	1.1	5.8	92.8	9.8
11	Dandelion	29.5	4.2	14.4	0.2	0.8	8.2	8.9
12	Shepherd's-purse	19.3	3.1	15.9	0.3	1.7	14.2	6.6
13	Pale smartweed	21.5	2.9	13.4	0.2	0.9	7.0	6.4
14	Perennial sow-thistle	21.1	2.3	11.1	0.3	1.2	26.8	6.1
15	Quack grass	8.0	2.7	33.4	0.8	10.2	84.8	6.0
16	Narrow-leaved hawk's-beard	16.0	2.7	17.2	0.2	1.5	13.2	5.5
17	Wild mustard	8.4	2.5	29.3	0.7	8.3	96.0	5.5
18	Hemp-nettle	10.9	1.8	16.5	0.3	3.1	44.4	4.3
19	Russian thistle	5.1	1.7	33.2	0.5	10.0	75.4	3.8
20	Stinkweed	11.6	1.8	15.5	0.1	1.1	7.2	3.7
21	Barley	9.5	1.9	20.6	0.1	1.4	9.0	3.5
22	Spiny annual sow-thistle	7.3	1.5	20.5	0.2	2.3	13.6	2.9
23	Chickweed	6.2	1.1	18.2	0.1	2.3	15.4	2.3
24	Bluebur	5.8	0.9	15.9	0.1	1.0	4.0	1.9
25	American dragonhead	6.5	0.8	12.8	< 0.1	0.6	1.4	1.9
26	Barnyard grass	3.3	0.7	21.7	0.2	6.4	39.6	1.8
27	Night-flowering catchfly	4.4	0.7	17.1	0.1	1.4	7.0	1.5
28	Alfalfa	4.4	0.7	17.1	< 0.1	0.8	3.0	1.4
29	Flax	2.5	0.8	30.0	0.1	3.3	9.2	1.3
30	Annual sow-thistle	4.0	0.5	11.4	< 0.1	0.6	1.2	1.1
31	Red clover	3.3	0.4	13.3	< 0.1	0.6	1.4	0.9
32	Kochia	2.2	0.3	15.8	< 0.1	1.7	5.8	0.7
33	Pineappleweed	2.5	0.3	12.9	< 0.1	0.7	1.4	0.7
34	Round-leaved mallow	1.8	0.3	14.0	0.1	4.0	11.0	0.7
35	Borage	0.4	0.4	100.0	0.1	21.4	21.4	0.6
36	Yellow sweet-clover	1.8	0.3	14.0	< 0.1	0.9	2.6	0.5
37	Corn spurry	0.7	0.3	42.5	0.1	7.6	14.6	0.5
38	Field peas	1.1	0.3	31.7	< 0.1	2.1	5.8	0.5
39	Common groundsel	1.8	0.2	12.0	< 0.1	0.7	1.6	0.5
40	Broad-leaved plantain	2.2	0.1	5.8	< 0.1	0.5	1.8	0.5
41	Cow cockle	0.7	0.3	40.0	< 0.1	2.9	5.4	0.4
42	Biennial wormwood	1.8	0.1	5.0	< 0.1	0.3	0.6	0.4
43	Black medick	1.1	0.2	15.0	< 0.1	0.7	1.8	0.3
44	White cockle	1.5	0.1	6.3	< 0.1	0.3	0.6	0.3
45	Foxtail barley	1.5	0.1	6.3	< 0.1	0.3	0.4	0.3
46	Wild tomato	1.1	0.1	11.7	< 0.1	0.8	1.0	0.3
47	Purslane speedwell	1.1	0.1	11.7	< 0.1	0.6	1.4	0.3
48	Prickly lettuce	1.1	0.1	11.7	< 0.1	0.5	0.6	0.3
49	Canary grass	0.4	0.2	60.0	< 0.1	6.0	6.0	0.3
50	American vetch	1.1	0.1	6.7	< 0.1	0.7	1.8	0.3
51	Ball mustard	1.1	0.1	6.7	< 0.1	0.3	0.4	0.3
52	Maple-leaved goosefoot	1.1	0.1	6.7	< 0.1	0.3	0.4	0.2

(Table continued on next page)

Table 137. All fields in the North East Extension Region (275 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Stork's-bill	0.7	0.1	10.0	< 0.1	1.5	2.4	0.2
54	Flixweed	0.7	0.1	10.0	< 0.1	0.4	0.6	0.2
55	Rough cinquefoil	0.7	0.1	7.5	< 0.1	0.3	0.4	0.2
56	Cream-colored vetchling	0.7	< 0.1	5.0	< 0.1	0.4	0.6	0.2
57	Scentless chamomile	0.4	0.1	25.0	< 0.1	2.6	2.6	0.2
58	Dog mustard	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Common pepper-grass	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
60	Tartary buckwheat	0.4	0.1	20.0	< 0.1	1.4	1.4	0.1
61	Bicknell's geranium	0.4	0.1	15.0	< 0.1	1.0	1.0	0.1
62	Prostrate knotweed	0.4	< 0.1	10.0	< 0.1	1.2	1.2	0.1
63	Field bindweed	0.4	< 0.1	10.0	< 0.1	0.8	0.8	0.1
64	Canada fleabane	0.4	< 0.1	10.0	< 0.1	0.6	0.6	0.1
65	Goat's-beard	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
66	Field violet	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
67	Silverweed	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
68	Caraway	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
69	Low cudweed	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Field mint	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Wormseed mustard	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Pasture sage	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Thyme-leaved spurge	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
74	Fowl-meadow grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
75	White sweet-clover	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
76	Fall rye	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 138. Cereal fields in the North East Extension Region (170 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	60.6	22.2	36.7	5.4	8.9	352.2	46.9
2	Green foxtail	25.9	8.5	33.0	7.9	30.3	397.4	40.0
3	Wild buckwheat	66.5	20.7	31.2	1.8	2.8	22.2	33.5
4	Canada thistle	60.6	12.4	20.5	1.0	1.6	13.2	23.1
5	Lamb's-quarters	32.9	8.9	27.1	1.6	4.7	88.2	18.0
6	Canola (Argentine)	25.9	5.6	21.8	1.7	6.4	92.8	14.8
7	Field horsetail	28.2	7.5	26.6	1.1	3.7	23.4	14.3
8	Cleavers	31.2	6.1	19.7	0.8	2.6	50.2	12.8
9	Dandelion	31.8	4.7	14.9	0.3	0.9	8.2	10.0
10	Wild mustard	8.2	2.6	31.8	0.8	10.2	96.0	6.5
11	Perennial sow-thistle	20.6	2.3	11.3	0.3	1.6	26.8	6.5
12	Pale smartweed	18.8	3.1	16.3	0.2	1.0	4.8	6.2
13	Narrow-leaved hawk's-beard	17.6	3.1	17.5	0.2	1.1	10.6	6.0
14	Shepherd's-purse	16.5	2.5	15.2	0.3	1.8	14.2	5.8
15	Russian thistle	4.7	1.8	38.1	0.7	15.7	75.4	4.9
16	Barley	11.8	2.5	21.3	0.2	1.5	9.0	4.5
17	Spring wheat/durum	8.8	1.6	17.7	0.4	4.9	58.0	4.3
18	Quack grass	6.5	1.5	22.7	0.5	7.2	45.2	3.9
19	Hemp-nettle	10.6	1.3	12.5	0.1	1.2	6.4	3.3
20	Stinkweed	10.0	1.5	15.0	0.1	1.0	4.2	3.2
21	Chickweed	7.1	1.6	22.1	0.2	3.0	15.4	3.1
22	American dragonhead	8.8	1.2	13.7	0.1	0.6	1.4	2.6
23	Bluebur	7.1	1.1	15.0	0.1	0.9	3.4	2.2
24	Spiny annual sow-thistle	5.3	1.1	20.6	0.1	2.2	4.2	2.1
25	Flax	2.9	1.1	38.0	0.1	4.4	9.2	1.8
26	Night-flowering catchfly	5.3	0.8	15.6	0.1	1.5	7.0	1.8
27	Redroot pigweed	3.5	0.6	16.7	0.2	4.9	26.8	1.7
28	Alfalfa	4.1	0.6	13.6	< 0.1	0.7	2.2	1.2
29	Borage	0.6	0.6	100.0	0.1	21.4	21.4	1.0
30	Corn spurry	1.2	0.5	42.5	0.1	7.6	14.6	0.9
31	Field peas	1.8	0.6	31.7	< 0.1	2.1	5.8	0.8
32	Kochia	2.9	0.3	11.0	< 0.1	0.9	2.4	0.8
33	Barnyard grass	2.9	0.2	7.0	< 0.1	1.2	2.4	0.8
34	Yellow sweet-clover	2.4	0.4	16.3	< 0.1	1.1	2.6	0.8
35	Cow cockle	1.2	0.5	40.0	< 0.1	2.9	5.4	0.7
36	Annual sow-thistle	2.4	0.3	12.5	< 0.1	0.6	0.8	0.7
37	Red clover	2.4	0.2	10.0	< 0.1	0.4	0.8	0.6
38	Round-leaved mallow	1.2	0.2	15.0	0.1	5.6	11.0	0.6
39	Foxtail barley	2.4	0.1	6.3	< 0.1	0.3	0.4	0.5
40	Wild tomato	1.8	0.2	11.7	< 0.1	0.8	1.0	0.5
41	Broad-leaved plantain	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
42	Pineappleweed	1.8	0.2	11.7	< 0.1	0.7	1.2	0.5
43	Canary grass	0.6	0.4	60.0	< 0.1	6.0	6.0	0.5
44	Black medick	1.2	0.2	20.0	< 0.1	1.0	1.8	0.4
45	Purslane speedwell	1.2	0.2	15.0	< 0.1	0.8	1.4	0.4
46	Stork's-bill	1.2	0.1	10.0	< 0.1	1.5	2.4	0.4
47	Common groundsel	1.2	0.1	12.5	< 0.1	0.9	1.6	0.3
48	Ball mustard	1.2	0.1	7.5	< 0.1	0.3	0.4	0.3
49	Cream-colored vetchling	1.2	0.1	5.0	< 0.1	0.4	0.6	0.3
50	Common pepper-grass	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
51	Tartary buckwheat	0.6	0.1	20.0	< 0.1	1.4	1.4	0.2
52	Prostrate knotweed	0.6	0.1	10.0	< 0.1	1.2	1.2	0.2

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Table 138. Cereal fields in the North East Extension Region (170 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Canada fleabane	0.6	0.1	10.0	< 0.1	0.6	0.6	0.2
54	Prickly lettuce	0.6	0.1	10.0	< 0.1	0.4	0.4	0.2
55	Field violet	0.6	< 0.1	5.0	< 0.1	0.4	0.4	0.1
56	Silverweed	0.6	< 0.1	5.0	< 0.1	0.4	0.4	0.1
57	Caraway	0.6	< 0.1	5.0	< 0.1	0.4	0.4	0.1
58	Rough cinquefoil	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
59	White cockle	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Low cudweed	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
61	Flixweed	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
62	Maple-leaved goosefoot	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Field mint	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
64	Dog mustard	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
65	Thyme-leaved spurge	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	American vetch	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Biennial wormwood	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Fowl-meadow grass	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Fall rye	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1



Table 139. Spring wheat fields in the North East Extension Region (76 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	68.4	24.7	36.2	4.4	6.4	58.0	59.7
2	Wild buckwheat	68.4	23.2	33.8	2.1	3.0	16.4	43.5
3	Canada thistle	64.5	10.8	16.7	0.7	1.1	5.2	24.3
4	Cleavers	30.3	7.2	23.9	1.2	4.0	50.2	18.9
5	Field horsetail	23.7	6.2	26.1	1.0	4.2	23.4	15.5
6	Lamb's-quarters	34.2	7.0	20.6	0.5	1.5	7.2	14.8
7	Green foxtail	23.7	4.7	19.7	0.9	3.8	19.0	13.7
8	Dandelion	27.6	4.7	17.1	0.3	1.1	8.2	10.4
9	Perennial sow-thistle	18.4	2.2	12.1	0.5	2.7	26.8	8.1
10	Barley	21.1	3.6	16.9	0.2	1.1	4.4	7.9
11	Narrow-leaved hawk's-beard	21.1	3.5	16.6	0.2	0.9	3.6	7.6
12	Quack grass	3.9	1.6	40.0	0.8	19.3	45.2	6.9
13	Pale smartweed	19.7	3.0	15.0	0.2	0.8	3.2	6.8
14	Chickweed	9.2	2.5	27.1	0.4	4.1	15.4	6.0
15	Shepherd's-purse	14.5	2.0	13.6	0.3	2.0	13.6	5.9
16	Canola (Argentine)	19.7	1.9	9.7	0.1	0.7	3.2	5.7
17	Hemp-nettle	11.8	1.9	16.1	0.2	1.9	6.4	5.0
18	Stinkweed	10.5	1.7	16.3	0.1	1.0	4.2	3.8
19	Flax	3.9	1.8	45.0	0.2	6.3	9.2	3.7
20	Wild mustard	6.6	1.8	27.0	0.2	2.3	10.2	3.5
21	American dragonhead	9.2	1.6	17.1	0.1	0.8	1.4	3.3
22	Russian thistle	2.6	1.3	50.0	0.2	6.5	7.4	2.6
23	Bluebur	9.2	0.9	9.3	< 0.1	0.4	0.8	2.5
24	Night-flowering catchfly	6.6	0.7	10.0	0.1	1.0	3.8	2.1
25	Alfalfa	6.6	0.8	12.0	< 0.1	0.5	1.6	2.0
26	Cow cockle	2.6	1.1	40.0	0.1	2.9	5.4	1.8
27	Spiny annual sow-thistle	5.3	0.7	13.8	< 0.1	0.8	1.2	1.7
28	Kochia	5.3	0.5	10.0	0.1	1.0	2.4	1.6
29	Yellow sweet-clover	2.6	0.5	17.5	< 0.1	0.7	1.2	0.9
30	Pineappleweed	2.6	0.4	15.0	< 0.1	1.0	1.2	0.9
31	Barnyard grass	2.6	0.1	5.0	0.1	2.0	2.4	0.9
32	Annual sow-thistle	2.6	0.4	15.0	< 0.1	0.6	0.8	0.9
33	Black medick	1.3	0.5	35.0	< 0.1	1.8	1.8	0.7
34	Cream-colored vetchling	2.6	0.1	5.0	< 0.1	0.4	0.6	0.6
35	Foxtail barley	2.6	0.1	5.0	< 0.1	0.2	0.2	0.6
36	Tartary buckwheat	1.3	0.3	20.0	< 0.1	1.4	1.4	0.6
37	Wild tomato	1.3	0.1	10.0	< 0.1	0.6	0.6	0.4
38	Prickly lettuce	1.3	0.1	10.0	< 0.1	0.4	0.4	0.4
39	Corn spurry	1.3	0.1	5.0	< 0.1	0.6	0.6	0.3
40	Field violet	1.3	0.1	5.0	< 0.1	0.4	0.4	0.3
41	Rough cinquefoil	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
42	White cockle	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Flixweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Maple-leaved goosefoot	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Common groundsel	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Round-leaved mallow	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Ball mustard	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Broad-leaved plantain	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Thyme-leaved spurge	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Red clover	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
51	Field peas	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 140. Barley fields in the North East Extension Region (74 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	29.7	13.4	45.0	16.9	56.8	397.4	54.8
2	Wild oats	54.1	21.4	39.5	7.6	14.1	352.2	42.6
3	Wild buckwheat	63.5	20.0	31.5	1.9	3.0	22.2	29.8
4	Canada thistle	56.8	13.8	24.3	1.2	2.1	13.2	22.6
5	Canola (Argentine)	29.7	9.9	33.4	3.6	12.2	92.8	20.8
6	Lamb's-quarters	29.7	9.9	33.4	2.3	7.7	88.2	17.6
7	Field horsetail	29.7	8.1	27.3	1.0	3.3	11.6	13.3
8	Cleavers	31.1	5.7	18.3	0.5	1.7	10.4	10.7
9	Dandelion	36.5	4.8	13.1	0.3	0.9	4.6	10.6
10	Wild mustard	10.8	3.6	33.1	1.8	16.2	96.0	8.6
11	Spring wheat/durum	16.2	3.1	19.2	1.0	6.1	58.0	7.4
12	Russian thistle	6.8	2.6	39.0	1.5	22.1	75.4	6.6
13	Pale smartweed	20.3	2.8	13.7	0.2	0.9	4.8	6.0
14	Perennial sow-thistle	20.3	2.1	10.3	0.2	1.0	5.0	5.5
15	Shepherd's-purse	13.5	2.9	21.5	0.4	2.7	14.2	5.3
16	Narrow-leaved hawk's-beard	16.2	1.9	11.7	0.1	0.5	1.0	4.4
17	Quack grass	9.5	1.4	15.0	0.2	2.6	7.8	3.3
18	Redroot pigweed	6.8	1.2	18.0	0.4	5.8	26.8	3.0
19	Bluebur	6.8	1.6	23.0	0.1	1.5	3.4	2.5
20	Hemp-nettle	9.5	0.9	10.0	0.1	0.7	1.6	2.5
21	Stinkweed	6.8	1.2	18.0	0.1	1.4	3.8	2.3
22	Spiny annual sow-thistle	5.4	1.3	23.8	0.2	3.1	4.2	2.2
23	American dragonhead	6.8	0.8	12.0	< 0.1	0.6	1.2	1.9
24	Chickweed	4.1	0.8	20.0	0.1	2.3	6.0	1.5
25	Night-flowering catchfly	2.7	0.9	35.0	0.1	3.6	7.0	1.4
26	Field peas	1.4	1.1	85.0	0.1	5.8	5.8	1.2
27	Flax	2.7	0.7	27.5	< 0.1	1.5	2.8	1.1
28	Red clover	4.1	0.5	11.7	< 0.1	0.5	0.8	1.1
29	Canary grass	1.4	0.8	60.0	0.1	6.0	6.0	1.0
30	Wild tomato	2.7	0.3	12.5	< 0.1	0.9	1.0	0.8
31	Stork's-bill	2.7	0.3	10.0	< 0.1	1.5	2.4	0.8
32	Foxtail barley	2.7	0.2	7.5	< 0.1	0.3	0.4	0.6
33	Broad-leaved plantain	2.7	0.1	5.0	< 0.1	0.2	0.2	0.6
34	Yellow sweet-clover	1.4	0.3	25.0	< 0.1	2.6	2.6	0.6
35	Purslane speedwell	1.4	0.3	25.0	< 0.1	1.4	1.4	0.5
36	Common groundsel	1.4	0.3	20.0	< 0.1	1.6	1.6	0.5
37	Kochia	1.4	0.2	15.0	< 0.1	0.6	0.6	0.4
38	Canada fleabane	1.4	0.1	10.0	< 0.1	0.6	0.6	0.4
39	Barnyard grass	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
40	Caraway	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
41	Black medick	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
42	Field mint	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Dog mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Common pepper-grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Pineappleweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Annual sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Biennial wormwood	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Fowl-meadow grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Alfalfa	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Fall rye	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 141. Oat fields in the North East Extension Region (15 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	40.0	13.7	34.2	3.5	8.7	42.2	35.0
2	Wild oats	60.0	19.0	31.7	1.7	2.8	9.8	30.8
3	Wild buckwheat	73.3	16.3	22.3	0.9	1.2	4.8	26.2
4	Canada thistle	46.7	15.0	32.1	1.2	2.6	9.6	23.5
5	Field horsetail	46.7	9.0	19.3	1.6	3.4	9.2	21.9
6	Borage	6.7	6.7	100.0	1.4	21.4	21.4	13.6
7	Green foxtail	20.0	6.7	33.3	1.0	5.1	10.4	13.1
8	Narrow-leaved hawk's-beard	13.3	8.0	60.0	0.8	5.7	10.6	11.6
9	Dandelion	40.0	6.0	15.0	0.3	0.7	1.4	11.2
10	Corn spurry	6.7	5.3	80.0	1.0	14.6	14.6	10.1
11	Perennial sow-thistle	33.3	4.3	13.0	0.3	1.0	3.2	9.5
12	Shepherd's-purse	40.0	3.7	9.2	0.2	0.4	0.8	9.0
13	Canola (Argentine)	33.3	3.7	11.0	0.3	1.0	2.4	9.0
14	Cleavers	33.3	3.7	11.0	0.2	0.6	1.6	8.4
15	Pale smartweed	13.3	6.0	45.0	0.4	3.0	4.6	8.2
16	Barley	20.0	4.0	20.0	0.2	1.0	1.6	6.6
17	Round-leaved mallow	6.7	1.7	25.0	0.7	11.0	11.0	6.3
18	Stinkweed	20.0	2.0	10.0	0.1	0.7	1.4	4.9
19	American dragonhead	20.0	1.7	8.3	0.1	0.3	0.6	4.3
20	Spiny annual sow-thistle	6.7	2.3	35.0	0.3	4.2	4.2	4.1
21	Wild mustard	6.7	3.0	45.0	0.1	2.2	2.2	3.8
22	Barnyard grass	13.3	1.3	10.0	0.1	0.9	1.6	3.5
23	Spring wheat/durum	13.3	1.7	12.5	0.1	0.5	0.8	3.4
24	Alfalfa	6.7	2.0	30.0	0.1	2.2	2.2	3.1
25	Quack grass	6.7	1.7	25.0	0.2	2.6	2.6	3.1
26	Russian thistle	6.7	0.7	10.0	0.1	2.0	2.0	2.2
27	Prostrate knotweed	6.7	0.7	10.0	0.1	1.2	1.2	1.9
28	Ball mustard	6.7	0.7	10.0	< 0.1	0.4	0.4	1.5
29	Redroot pigweed	6.7	0.7	10.0	< 0.1	0.4	0.4	1.5
30	Silverweed	6.7	0.3	5.0	< 0.1	0.4	0.4	1.3
31	Night-flowering catchfly	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2
32	Low cudweed	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2
33	Hemp-nettle	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2
34	Common pepper-grass	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2
35	Broad-leaved plantain	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2
36	Yellow sweet-clover	6.7	0.3	5.0	< 0.1	0.2	0.2	1.2

Table 142. Oilseed fields in the North East Extension Region (86 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	64.0	30.8	48.1	11.3	17.7	157.8	63.0
2	Lamb's-quarters	60.5	15.3	25.4	3.1	5.2	127.0	30.0
3	Redroot pigweed	4.7	1.7	37.5	9.3	200.0	758.4	26.0
4	Wild buckwheat	62.8	15.6	24.8	1.2	1.9	18.0	25.6
5	Spring wheat/durum	16.3	8.1	49.6	5.7	35.2	280.8	23.5
6	Canada thistle	50.0	9.7	19.4	0.9	1.9	13.0	18.4
7	Green foxtail	19.8	6.1	30.9	2.3	11.4	89.6	13.8
8	Cleavers	29.1	6.2	21.2	0.5	1.8	12.8	11.0
9	Field horsetail	22.1	5.2	23.4	0.7	3.2	19.6	9.5
10	Shepherd's-purse	24.4	4.1	16.9	0.4	1.7	8.8	8.4
11	Pale smartweed	26.7	2.9	10.9	0.2	0.8	7.0	7.4
12	Dandelion	24.4	3.1	12.6	0.1	0.5	2.0	6.9
13	Perennial sow-thistle	22.1	2.5	11.3	0.1	0.5	1.8	6.0
14	Quack grass	8.1	3.5	42.9	0.4	4.8	8.2	5.0
15	Wild mustard	9.3	2.6	28.1	0.5	5.8	37.6	4.9
16	Stinkweed	15.1	2.2	14.2	0.1	0.9	4.8	4.6
17	Barnyard grass	3.5	1.7	50.0	0.6	16.9	39.6	3.4
18	Hemp-nettle	10.5	1.5	13.9	0.2	1.7	8.2	3.4
19	Spiny annual sow-thistle	10.5	1.5	14.4	0.1	1.2	2.8	3.3
20	Russian thistle	7.0	1.9	26.7	0.2	2.5	8.0	3.0
21	Narrow-leaved hawk's-beard	10.5	1.0	10.0	0.1	0.6	1.0	2.8
22	Barley	7.0	1.3	18.3	0.1	1.0	2.2	2.3
23	Alfalfa	5.8	1.3	22.0	0.1	1.0	3.0	2.1
24	Annual sow-thistle	4.7	0.5	10.0	< 0.1	0.6	1.0	1.2
25	Round-leaved mallow	3.5	0.5	13.3	0.1	2.9	7.6	1.2
26	Red clover	3.5	0.5	13.3	< 0.1	0.5	1.0	1.0
27	Bluebur	2.3	0.6	25.0	< 0.1	2.1	4.0	1.0
28	Canola (Argentine)	3.5	0.4	11.7	< 0.1	0.5	0.8	1.0
29	American dragonhead	3.5	0.3	8.3	< 0.1	0.5	0.8	0.9
30	Kochia	1.2	0.5	40.0	0.1	5.8	5.8	0.7
31	Chickweed	2.3	0.3	15.0	< 0.1	0.9	1.0	0.7
32	Common groundsel	2.3	0.3	15.0	< 0.1	0.7	1.2	0.7
33	Broad-leaved plantain	2.3	0.2	7.5	< 0.1	1.0	1.8	0.6
34	American vetch	2.3	0.2	7.5	< 0.1	1.0	1.8	0.6
35	White cockle	2.3	0.2	7.5	< 0.1	0.4	0.6	0.6
36	Biennial wormwood	2.3	0.1	5.0	< 0.1	0.4	0.6	0.5
37	Pineappleweed	2.3	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Scentless chamomile	1.2	0.3	25.0	< 0.1	2.6	2.6	0.5
39	Night-flowering catchfly	1.2	0.3	25.0	< 0.1	1.0	1.0	0.4
40	Bicknell's geranium	1.2	0.2	15.0	< 0.1	1.0	1.0	0.4
41	Flixweed	1.2	0.2	15.0	< 0.1	0.6	0.6	0.4
42	Prickly lettuce	1.2	0.2	15.0	< 0.1	0.6	0.6	0.4
43	Field bindweed	1.2	0.1	10.0	< 0.1	0.8	0.8	0.3
44	Rough cinquefoil	1.2	0.1	10.0	< 0.1	0.4	0.4	0.3
45	Goat's-beard	1.2	0.1	5.0	< 0.1	0.4	0.4	0.3
46	Ball mustard	1.2	0.1	5.0	< 0.1	0.4	0.4	0.3
47	Maple-leaved goosefoot	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Dog mustard	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Wormseed mustard	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Pasture sage	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
51	Yellow sweet-clover	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 143. Canola fields in the North East Extension Region (79 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	65.8	32.7	49.6	12.2	18.6	157.8	65.0
2	Lamb's-quarters	60.8	16.5	27.1	3.4	5.6	127.0	30.8
3	Redroot pigweed	5.1	1.9	37.5	10.1	200.0	758.4	27.2
4	Wild buckwheat	63.3	15.4	24.3	1.2	1.9	18.0	25.0
5	Spring wheat/durum	17.7	8.8	49.6	6.2	35.2	280.8	24.7
6	Canada thistle	50.6	9.2	18.1	0.9	1.7	13.0	17.6
7	Cleavers	30.4	6.1	20.2	0.5	1.8	12.8	11.0
8	Green foxtail	20.3	5.8	28.8	1.3	6.6	29.4	11.0
9	Field horsetail	24.1	5.6	23.4	0.8	3.2	19.6	10.1
10	Shepherd's-purse	26.6	4.5	16.9	0.5	1.7	8.8	9.0
11	Pale smartweed	25.3	3.0	11.8	0.2	0.9	7.0	7.1
12	Dandelion	22.8	2.9	12.8	0.1	0.5	2.0	6.4
13	Perennial sow-thistle	22.8	2.5	10.8	0.1	0.5	1.8	6.0
14	Quack grass	8.9	3.8	42.9	0.4	4.8	8.2	5.3
15	Wild mustard	8.9	2.5	27.9	0.6	6.5	37.6	4.7
16	Stinkweed	15.2	2.2	14.6	0.1	0.9	4.8	4.6
17	Barnyard grass	3.8	1.9	50.0	0.6	16.9	39.6	3.6
18	Hemp-nettle	10.1	1.5	15.0	0.2	1.9	8.2	3.3
19	Spiny annual sow-thistle	10.1	1.5	15.0	0.1	1.2	2.8	3.2
20	Narrow-leaved hawk's-beard	11.4	1.1	10.0	0.1	0.6	1.0	3.0
21	Russian thistle	6.3	2.0	31.0	0.2	2.8	8.0	2.9
22	Barley	7.6	1.4	18.3	0.1	1.0	2.2	2.5
23	Alfalfa	6.3	1.4	22.0	0.1	1.0	3.0	2.3
24	Annual sow-thistle	5.1	0.5	10.0	< 0.1	0.6	1.0	1.3
25	Round-leaved mallow	3.8	0.5	13.3	0.1	2.9	7.6	1.3
26	Red clover	3.8	0.5	13.3	< 0.1	0.5	1.0	1.1
27	American dragonhead	3.8	0.3	8.3	< 0.1	0.5	0.8	0.9
28	Kochia	1.3	0.5	40.0	0.1	5.8	5.8	0.8
29	Common groundsel	2.5	0.4	15.0	< 0.1	0.7	1.2	0.8
30	Bluebur	1.3	0.6	45.0	0.1	4.0	4.0	0.8
31	Broad-leaved plantain	2.5	0.2	7.5	< 0.1	1.0	1.8	0.6
32	White cockle	2.5	0.2	7.5	< 0.1	0.4	0.6	0.6
33	Scentless chamomile	1.3	0.3	25.0	< 0.1	2.6	2.6	0.5
34	Night-flowering catchfly	1.3	0.3	25.0	< 0.1	1.0	1.0	0.5
35	Bicknell's geranium	1.3	0.2	15.0	< 0.1	1.0	1.0	0.4
36	Flixweed	1.3	0.2	15.0	< 0.1	0.6	0.6	0.4
37	Prickly lettuce	1.3	0.2	15.0	< 0.1	0.6	0.6	0.4
38	Field bindweed	1.3	0.1	10.0	< 0.1	0.8	0.8	0.3
39	Rough cinquefoil	1.3	0.1	10.0	< 0.1	0.4	0.4	0.3
40	Chickweed	1.3	0.1	5.0	< 0.1	0.8	0.8	0.3
41	Ball mustard	1.3	0.1	5.0	< 0.1	0.4	0.4	0.3
42	Maple-leaved goosefoot	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Dog mustard	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Wormseed mustard	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Pineappleweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Pasture sage	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
47	American vetch	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Biennial wormwood	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Yellow sweet-clover	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 144. Pulse fields in the North East Extension Region (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	55.6	25.0	45.0	6.7	12.1	66.6	50.9
2	Wild buckwheat	55.6	22.8	41.0	3.1	5.5	20.6	35.9
3	Quack grass	22.2	10.3	46.3	6.2	28.0	84.8	33.5
4	Hemp-nettle	16.7	8.1	48.3	3.1	18.8	44.4	19.7
5	Lamb's-quarters	44.4	9.7	21.9	1.2	2.6	8.6	18.0
6	Narrow-leaved hawk's-beard	27.8	7.8	28.0	1.5	5.5	13.2	15.4
7	Canola (Argentine)	27.8	6.7	24.0	0.9	3.2	13.0	12.3
8	Spring wheat/durum	33.3	6.7	20.0	0.6	1.9	8.8	12.2
9	Canada thistle	50.0	4.4	8.9	0.2	0.5	0.8	11.8
10	Field horsetail	33.3	6.7	20.0	0.5	1.4	3.4	11.6
11	Dandelion	33.3	5.3	15.8	0.3	1.0	2.0	10.1
12	Spiny annual sow-thistle	11.1	5.3	47.5	0.8	7.5	13.6	8.5
13	Green foxtail	22.2	3.6	16.3	0.6	2.7	7.2	8.2
14	Perennial sow-thistle	22.2	1.9	8.8	0.1	0.4	0.6	5.2
15	Pale smartweed	22.2	1.1	5.0	0.1	0.3	0.6	4.5
16	Annual sow-thistle	16.7	1.9	11.7	0.1	0.6	1.2	4.3
17	Stinkweed	5.6	2.8	50.0	0.4	7.2	7.2	4.3
18	Pineappleweed	11.1	2.5	22.5	0.1	1.3	1.4	4.0
19	Night-flowering catchfly	11.1	2.2	20.0	0.1	1.3	2.0	3.8
20	Shepherd's-purse	16.7	1.4	8.3	0.1	0.3	0.4	3.8
21	Chickweed	16.7	0.8	5.0	< 0.1	0.2	0.2	3.3
22	Bluebur	11.1	1.4	12.5	0.1	0.7	0.8	3.0
23	Flax	11.1	1.1	10.0	0.1	0.5	0.8	2.7
24	Barnyard grass	5.6	0.6	10.0	< 0.1	0.6	0.6	1.4
25	Prickly lettuce	5.6	0.6	10.0	< 0.1	0.4	0.4	1.3
26	Red clover	5.6	0.6	10.0	< 0.1	0.4	0.4	1.3
27	Cleavers	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
28	White cockle	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
29	Common groundsel	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
30	Black medick	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
31	Wild mustard	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
32	Purslane speedwell	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
33	Biennial wormwood	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
34	White sweet-clover	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1

Table 145. Pea fields in the North East Extension Region (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	55.6	25.0	45.0	6.7	12.1	66.6	50.9
2	Wild buckwheat	55.6	22.8	41.0	3.1	5.5	20.6	35.9
3	Quack grass	22.2	10.3	46.3	6.2	28.0	84.8	33.5
4	Hemp-nettle	16.7	8.1	48.3	3.1	18.8	44.4	19.7
5	Lamb's-quarters	44.4	9.7	21.9	1.2	2.6	8.6	18.0
6	Narrow-leaved hawk's-beard	27.8	7.8	28.0	1.5	5.5	13.2	15.4
7	Canola (Argentine)	27.8	6.7	24.0	0.9	3.2	13.0	12.3
8	Spring wheat/durum	33.3	6.7	20.0	0.6	1.9	8.8	12.2
9	Canada thistle	50.0	4.4	8.9	0.2	0.5	0.8	11.8
10	Field horsetail	33.3	6.7	20.0	0.5	1.4	3.4	11.6
11	Dandelion	33.3	5.3	15.8	0.3	1.0	2.0	10.1
12	Spiny annual sow-thistle	11.1	5.3	47.5	0.8	7.5	13.6	8.5
13	Green foxtail	22.2	3.6	16.3	0.6	2.7	7.2	8.2
14	Perennial sow-thistle	22.2	1.9	8.8	0.1	0.4	0.6	5.2
15	Pale smartweed	22.2	1.1	5.0	0.1	0.3	0.6	4.5
16	Annual sow-thistle	16.7	1.9	11.7	0.1	0.6	1.2	4.3
17	Stinkweed	5.6	2.8	50.0	0.4	7.2	7.2	4.3
18	Pineappleweed	11.1	2.5	22.5	0.1	1.3	1.4	4.0
19	Night-flowering catchfly	11.1	2.2	20.0	0.1	1.3	2.0	3.8
20	Shepherd's-purse	16.7	1.4	8.3	0.1	0.3	0.4	3.8
21	Chickweed	16.7	0.8	5.0	< 0.1	0.2	0.2	3.3
22	Bluebur	11.1	1.4	12.5	0.1	0.7	0.8	3.0
23	Flax	11.1	1.1	10.0	0.1	0.5	0.8	2.7
24	Barnyard grass	5.6	0.6	10.0	< 0.1	0.6	0.6	1.4
25	Prickly lettuce	5.6	0.6	10.0	< 0.1	0.4	0.4	1.3
26	Red clover	5.6	0.6	10.0	< 0.1	0.4	0.4	1.3
27	Cleavers	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
28	White cockle	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
29	Common groundsel	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
30	Black medick	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
31	Wild mustard	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
32	Purslane speedwell	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
33	Biennial wormwood	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1
34	White sweet-clover	5.6	0.3	5.0	< 0.1	0.2	0.2	1.1

Table 146. All fields in the West Central Extension Region (320 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	35.9	14.6	40.5	7.8	21.8	568.4	88.1
2	Wild oats	41.9	11.8	28.2	1.7	4.0	54.4	44.9
3	Kochia	23.8	6.8	28.4	2.0	8.6	181.4	32.9
4	Wild buckwheat	33.8	7.1	21.1	0.5	1.5	14.2	26.9
5	Russian thistle	15.3	3.7	24.4	0.3	2.1	15.8	13.6
6	Stinkweed	15.3	2.8	18.3	0.4	2.6	59.2	12.7
7	Redroot pigweed	14.4	3.2	22.5	0.3	1.9	23.8	12.1
8	Lamb's-quarters	10.6	2.9	26.9	0.4	4.0	44.4	11.2
9	Canada thistle	12.8	2.3	17.7	0.2	1.5	7.4	9.5
10	Wild mustard	7.2	1.1	15.7	0.1	1.1	5.6	4.9
11	Spring wheat/durum	4.4	1.0	21.8	0.2	3.8	23.0	4.2
12	Flixweed	5.6	0.8	14.2	0.1	1.0	4.8	3.7
13	Lentils	2.8	1.1	40.0	0.1	3.0	7.2	3.3
14	Cow cockle	4.7	0.5	11.0	< 0.1	0.8	6.0	2.8
15	Oats	0.3	0.3	100.0	0.3	104.4	104.4	2.8
16	Canola (Argentine)	3.8	0.6	15.4	0.1	1.5	9.0	2.7
17	Common pepper-grass	3.4	0.5	14.5	0.1	2.1	19.8	2.5
18	Foxtail barley	3.4	0.3	10.0	< 0.1	0.8	5.6	2.0
19	Dandelion	2.5	0.4	17.5	< 0.1	1.7	9.4	1.9
20	Rose species	1.9	0.2	11.7	< 0.1	1.9	9.0	1.3
21	Field peas	1.6	0.3	19.0	< 0.1	1.6	6.8	1.2
22	Flax	0.9	0.4	41.7	< 0.1	3.8	10.4	1.2
23	Round-leaved mallow	1.9	0.2	11.7	< 0.1	0.6	1.6	1.1
24	Thyme-leaved spurge	1.6	0.3	17.0	< 0.1	0.8	3.2	1.1
25	Biennial wormwood	1.6	0.3	17.0	< 0.1	0.8	1.4	1.1
26	Perennial sow-thistle	1.3	0.3	22.5	< 0.1	1.2	2.2	1.0
27	Field horsetail	1.3	0.2	15.0	< 0.1	2.8	8.6	1.0
28	Barley	1.3	0.2	18.8	< 0.1	1.6	4.4	1.0
29	Canada fleabane	0.9	0.3	30.0	< 0.1	1.6	2.8	0.9
30	Persian darnel	0.6	0.2	30.0	< 0.1	3.4	6.6	0.7
31	Alfalfa	0.9	0.2	16.7	< 0.1	1.1	2.6	0.7
32	Scouring-rush	0.9	0.1	10.0	< 0.1	1.9	4.0	0.6
33	Prostrate pigweed	0.9	0.1	10.0	< 0.1	0.5	0.6	0.5
34	Narrow-leaved hawk's-beard	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.4
35	Goat's-beard	0.6	0.1	15.0	< 0.1	0.6	0.8	0.4
36	Prickly lettuce	0.6	0.1	10.0	< 0.1	0.5	0.6	0.4
37	Annual sow-thistle	0.6	< 0.1	7.5	< 0.1	0.9	1.2	0.3
38	Prostrate knotweed	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.3
39	Yellow sweet-clover	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.3
40	American vetch	0.6	< 0.1	5.0	< 0.1	0.4	0.6	0.3
41	Indian mustard	0.3	0.1	20.0	< 0.1	1.4	1.4	0.2
42	False ragweed	0.3	< 0.1	15.0	< 0.1	0.6	0.6	0.2
43	Bluebur	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.2
44	Sunflower	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.2
45	Spear-leaved goosefoot	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
46	Tumble pigweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
47	Shepherd's-purse	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
48	Wild tomato	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
49	Canary grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1



Table 147. Cereal fields in the West Central Extension Region (236 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	35.6	14.0	39.3	9.2	25.8	568.4	100.5
2	Wild oats	44.5	12.1	27.2	1.5	3.3	43.2	49.1
3	Kochia	21.6	5.8	26.8	2.1	9.5	181.4	32.7
4	Wild buckwheat	28.0	5.5	19.8	0.4	1.3	14.2	23.6
5	Russian thistle	13.1	2.9	22.3	0.3	1.9	13.0	12.2
6	Redroot pigweed	14.0	2.7	19.5	0.2	1.8	23.8	12.2
7	Canada thistle	12.3	2.2	17.6	0.2	1.6	7.4	10.1
8	Stinkweed	11.0	1.9	16.9	0.2	1.8	11.2	9.1
9	Wild mustard	8.5	1.4	17.0	0.1	1.2	5.6	6.7
10	Lamb's-quarters	5.5	1.2	21.2	0.2	4.3	44.4	5.9
11	Canola (Argentine)	4.7	0.8	16.4	0.1	1.6	9.0	3.7
12	Flixweed	5.1	0.7	12.9	< 0.1	0.8	2.8	3.5
13	Common pepper-grass	3.8	0.6	16.7	0.1	2.6	19.8	3.3
14	Cow cockle	4.7	0.5	11.4	< 0.1	0.9	6.0	3.1
15	Foxtail barley	4.7	0.5	10.0	< 0.1	0.8	5.6	3.0
16	Dandelion	3.0	0.6	18.6	0.1	1.9	9.4	2.5
17	Lentils	1.7	0.7	41.3	0.1	3.0	7.2	2.2
18	Flax	1.3	0.5	41.7	< 0.1	3.8	10.4	1.8
19	Perennial sow-thistle	1.7	0.4	22.5	< 0.1	1.2	2.2	1.5
20	Round-leaved mallow	1.7	0.3	15.0	< 0.1	0.7	1.6	1.2
21	Field peas	0.8	0.3	40.0	< 0.1	3.6	6.8	1.1
22	Spring wheat/durum	1.7	0.2	11.3	< 0.1	0.6	1.0	1.1
23	Rose species	1.7	0.1	8.8	< 0.1	0.5	1.0	1.0
24	Persian darnel	0.8	0.3	30.0	< 0.1	3.4	6.6	1.0
25	Alfalfa	0.8	0.2	22.5	< 0.1	1.5	2.6	0.8
26	Canada fleabane	0.8	0.1	17.5	< 0.1	1.0	1.0	0.7
27	Thyme-leaved spurge	1.3	0.1	5.0	< 0.1	0.2	0.2	0.6
28	Scouring-rush	0.8	0.1	7.5	< 0.1	2.2	4.0	0.6
29	Prostrate pigweed	0.8	0.1	12.5	< 0.1	0.5	0.6	0.6
30	Yellow sweet-clover	0.8	0.1	7.5	< 0.1	0.3	0.4	0.5
31	Field horsetail	0.8	< 0.1	5.0	< 0.1	0.7	0.8	0.5
32	American vetch	0.8	< 0.1	5.0	< 0.1	0.4	0.6	0.4
33	Narrow-leaved hawk's-beard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.4
34	Barley	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.4
35	Indian mustard	0.4	0.1	20.0	< 0.1	1.4	1.4	0.4
36	Annual sow-thistle	0.4	< 0.1	10.0	< 0.1	0.6	0.6	0.3
37	Bluebur	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.3
38	Goat's-beard	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.3
39	Prostrate knotweed	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.3
40	Sunflower	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.3
41	Spear-leaved goosefoot	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.2
42	Tumble pigweed	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.2
43	Shepherd's-purse	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.2
44	Canary grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 148. Spring wheat fields in the West Central Extension Region (104 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	44.2	17.7	40.0	16.4	37.2	568.4	117.1
2	Wild oats	43.3	11.7	27.0	1.4	3.3	24.6	43.5
3	Kochia	21.2	4.7	22.0	3.6	17.1	181.4	31.7
4	Wild buckwheat	32.7	6.0	18.4	0.4	1.1	3.8	25.1
5	Canada thistle	17.3	2.1	11.9	0.2	1.0	2.0	11.3
6	Russian thistle	11.5	2.8	24.2	0.3	2.7	13.0	10.8
7	Redroot pigweed	9.6	2.0	21.0	0.1	1.3	3.2	7.9
8	Wild mustard	9.6	1.8	18.5	0.1	1.5	5.6	7.6
9	Lamb's-quarters	5.8	1.4	25.0	0.5	8.0	44.4	6.8
10	Stinkweed	7.7	1.4	18.8	0.2	2.4	11.2	6.4
11	Foxtail barley	5.8	0.8	14.2	0.1	1.2	5.6	4.0
12	Common pepper-grass	3.8	1.0	25.0	0.2	5.2	19.8	4.0
13	Cow cockle	3.8	0.7	18.8	0.1	2.0	6.0	3.1
14	Flax	1.9	1.0	52.5	0.1	5.3	10.4	2.9
15	Flixweed	3.8	0.6	16.3	< 0.1	1.0	2.8	2.8
16	Persian darnel	1.9	0.6	30.0	0.1	3.4	6.6	2.0
17	Rose species	2.9	0.1	5.0	< 0.1	0.3	0.4	1.5
18	Perennial sow-thistle	1.0	0.4	40.0	< 0.1	2.0	2.0	1.1
19	Alfalfa	1.0	0.3	35.0	< 0.1	2.6	2.6	1.1
20	Field horsetail	1.9	0.1	5.0	< 0.1	0.7	0.8	1.0
21	American vetch	1.9	0.1	5.0	< 0.1	0.4	0.6	1.0
22	Dandelion	1.9	0.1	5.0	< 0.1	0.2	0.2	1.0
23	Narrow-leaved hawk's-beard	1.9	0.1	5.0	< 0.1	0.2	0.2	1.0
24	Barley	1.9	0.1	5.0	< 0.1	0.2	0.2	1.0
25	Canola (Argentine)	1.9	0.1	5.0	< 0.1	0.2	0.2	1.0
26	Round-leaved mallow	1.0	0.3	30.0	< 0.1	1.6	1.6	0.9
27	Bluebur	1.0	0.1	10.0	< 0.1	0.4	0.4	0.6
28	Goat's-beard	1.0	0.1	10.0	< 0.1	0.4	0.4	0.6
29	Sunflower	1.0	0.1	10.0	< 0.1	0.4	0.4	0.6
30	Tumble pigweed	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.5
31	Yellow sweet-clover	1.0	< 0.1	5.0	< 0.1	0.2	0.2	0.5

Table 149. Barley fields in the West Central Extension Region (49 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	32.7	10.8	33.1	2.5	7.7	43.8	73.4
2	Wild oats	44.9	12.6	28.0	1.3	2.9	16.4	62.5
3	Kochia	22.4	7.1	31.8	0.7	3.0	9.8	33.0
4	Wild buckwheat	18.4	3.7	20.0	0.2	1.3	5.0	18.2
5	Canada thistle	16.3	3.7	22.5	0.2	1.4	4.0	17.2
6	Russian thistle	18.4	3.1	16.7	0.2	1.0	3.4	16.0
7	Lentils	4.1	2.2	55.0	0.2	4.3	7.2	8.6
8	Dandelion	4.1	1.5	37.5	0.2	5.1	9.4	7.8
9	Stinkweed	12.2	0.9	7.5	0.1	0.5	1.2	7.8
10	Redroot pigweed	8.2	1.5	18.8	0.1	0.8	1.8	7.2
11	Flixweed	8.2	0.9	11.3	0.1	0.7	1.0	5.9
12	Field peas	2.0	1.4	70.0	0.1	6.8	6.8	5.7
13	Wild mustard	4.1	1.2	30.0	0.1	2.3	2.4	5.4
14	Round-leaved mallow	6.1	0.6	10.0	< 0.1	0.4	0.8	4.1
15	Canada fleabane	4.1	0.7	17.5	< 0.1	1.0	1.0	3.7
16	Spring wheat/durum	4.1	0.5	12.5	< 0.1	0.7	1.0	3.1
17	Canola (Argentine)	4.1	0.5	12.5	< 0.1	0.6	0.8	3.0
18	Scouring-rush	2.0	0.2	10.0	0.1	4.0	4.0	2.5
19	Common pepper-grass	4.1	0.2	5.0	< 0.1	0.2	0.2	2.2
20	Indian mustard	2.0	0.4	20.0	< 0.1	1.4	1.4	2.1
21	Rose species	2.0	0.4	20.0	< 0.1	1.0	1.0	1.9
22	Flax	2.0	0.4	20.0	< 0.1	0.8	0.8	1.9
23	Lamb's-quarters	2.0	0.1	5.0	< 0.1	0.8	0.8	1.3
24	Spear-leaved goosefoot	2.0	0.1	5.0	< 0.1	0.4	0.4	1.2
25	Cow cockle	2.0	0.1	5.0	< 0.1	0.2	0.2	1.1
26	Perennial sow-thistle	2.0	0.1	5.0	< 0.1	0.2	0.2	1.1
27	Thyme-leaved spurge	2.0	0.1	5.0	< 0.1	0.2	0.2	1.1
28	Canary grass	2.0	0.1	5.0	< 0.1	0.2	0.2	1.1

Table 150. Durum fields in the West Central Extension Region (64 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	25.0	10.9	43.8	4.3	17.2	141.6	79.1
2	Wild oats	45.3	11.3	25.0	1.5	3.4	43.2	58.4
3	Wild buckwheat	28.1	6.4	22.8	0.5	1.9	14.2	30.5
4	Redroot pigweed	25.0	5.2	20.9	0.6	2.6	23.8	28.1
5	Kochia	15.6	3.9	25.0	0.7	4.7	36.4	22.4
6	Stinkweed	10.9	2.3	21.4	0.3	2.3	8.2	12.1
7	Russian thistle	9.4	2.6	27.5	0.2	2.3	5.4	11.4
8	Canola (Argentine)	6.3	2.0	31.3	0.2	3.8	9.0	9.0
9	Canada thistle	4.7	1.8	38.3	0.3	5.5	7.4	8.3
10	Wild mustard	9.4	1.3	13.3	0.1	0.6	1.2	7.2
11	Lamb's-quarters	4.7	1.3	28.3	0.1	1.5	3.6	5.3
12	Flixweed	6.3	0.7	11.3	< 0.1	0.7	1.2	4.6
13	Lentils	3.1	0.9	27.5	0.1	1.6	1.8	3.6
14	Foxtail barley	6.3	0.3	5.0	< 0.1	0.2	0.2	3.5
15	Dandelion	3.1	0.4	12.5	< 0.1	0.9	1.6	2.4
16	Perennial sow-thistle	1.6	0.6	40.0	< 0.1	2.2	2.2	2.2
17	Cow cockle	3.1	0.2	7.5	< 0.1	0.3	0.4	1.9
18	Common pepper-grass	1.6	0.5	30.0	< 0.1	1.4	1.4	1.8
19	Thyme-leaved spurge	3.1	0.2	5.0	< 0.1	0.2	0.2	1.8
20	Prostrate pigweed	1.6	0.2	15.0	< 0.1	0.6	0.6	1.2
21	Prostrate knotweed	1.6	0.2	10.0	< 0.1	0.4	0.4	1.1
22	Yellow sweet-clover	1.6	0.2	10.0	< 0.1	0.4	0.4	1.1
23	Spring wheat/durum	1.6	0.2	10.0	< 0.1	0.4	0.4	1.1
24	Scouring-rush	1.6	0.1	5.0	< 0.1	0.4	0.4	0.9
25	Shepherd's-purse	1.6	0.1	5.0	< 0.1	0.2	0.2	0.9

Table 151. Canary seed fields in the West Central Extension Region (13 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Kochia	46.2	15.0	32.5	1.2	2.7	6.6	81.7
2	Wild oats	38.5	8.5	22.0	1.0	2.6	6.0	58.7
3	Stinkweed	23.1	4.6	20.0	0.5	2.1	5.0	30.6
4	Wild buckwheat	30.8	3.8	12.5	0.2	0.6	1.4	23.0
5	Cow cockle	30.8	2.3	7.5	0.1	0.4	0.6	18.0
6	Russian thistle	15.4	1.9	12.5	0.1	0.8	1.4	12.5
7	Green foxtail	15.4	1.5	10.0	0.1	0.7	1.0	11.3
8	Canola (Argentine)	15.4	1.2	7.5	0.1	0.5	0.8	9.6
9	Wild mustard	15.4	1.2	7.5	< 0.1	0.3	0.4	8.8
10	Common pepper-grass	15.4	0.8	5.0	< 0.1	0.3	0.4	7.9
11	Redroot pigweed	15.4	0.8	5.0	< 0.1	0.3	0.4	7.9
12	Dandelion	7.7	1.5	20.0	0.1	0.8	0.8	7.5
13	Prostrate pigweed	7.7	0.8	10.0	< 0.1	0.4	0.4	5.0
14	Alfalfa	7.7	0.8	10.0	< 0.1	0.4	0.4	5.0
15	Field peas	7.7	0.8	10.0	< 0.1	0.4	0.4	5.0
16	Foxtail barley	7.7	0.4	5.0	< 0.1	0.2	0.2	3.8
17	Perennial sow-thistle	7.7	0.4	5.0	< 0.1	0.2	0.2	3.8

Table 152. Oilseed fields in the West Central Extension Region (51 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	41.2	17.6	42.9	1.8	4.4	19.4	46.7
2	Wild buckwheat	56.9	15.0	26.4	1.1	2.0	11.4	42.6
3	Wild oats	37.3	11.7	31.3	2.1	5.5	53.6	41.5
4	Lamb's-quarters	29.4	10.4	35.3	1.4	4.9	37.2	32.4
5	Stinkweed	27.5	5.9	21.4	1.4	5.2	59.2	26.9
6	Russian thistle	25.5	9.0	35.4	0.8	3.2	15.8	24.1
7	Kochia	31.4	9.3	29.7	0.5	1.7	4.0	23.7
8	Spring wheat/durum	7.8	3.4	43.8	0.9	11.5	23.0	13.9
9	Redroot pigweed	13.7	4.5	32.9	0.3	2.3	4.4	11.5
10	Lentils	9.8	3.8	39.0	0.3	3.0	5.4	9.5
11	Canada thistle	9.8	1.4	14.0	0.1	0.7	1.4	5.0
12	Rose species	3.9	0.7	17.5	0.2	4.9	9.0	3.6
13	Cow cockle	5.9	0.7	11.7	< 0.1	0.5	0.6	2.7
14	Thyme-leaved spurge	2.0	1.3	65.0	0.1	3.2	3.2	2.5
15	Biennial wormwood	3.9	0.8	20.0	< 0.1	0.9	1.4	2.3
16	Round-leaved mallow	3.9	0.2	5.0	< 0.1	0.3	0.4	1.5
17	Barley	2.0	0.6	30.0	< 0.1	1.6	1.6	1.5
18	Common pepper-grass	3.9	0.2	5.0	< 0.1	0.2	0.2	1.5
19	Scouring-rush	2.0	0.3	15.0	< 0.1	1.2	1.2	1.1
20	False ragweed	2.0	0.3	15.0	< 0.1	0.6	0.6	1.0
21	Annual sow-thistle	2.0	0.1	5.0	< 0.1	1.2	1.2	0.9
22	Field horsetail	2.0	0.1	5.0	< 0.1	1.0	1.0	0.9
23	Prostrate pigweed	2.0	0.1	5.0	< 0.1	0.4	0.4	0.8
24	Narrow-leaved hawk's-beard	2.0	0.1	5.0	< 0.1	0.2	0.2	0.7
25	Prostrate knotweed	2.0	0.1	5.0	< 0.1	0.2	0.2	0.7
26	Wild tomato	2.0	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 153. Canola fields in the West Central Extension Region (33 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	42.4	16.8	39.6	1.7	4.0	19.4	48.2
2	Wild oats	36.4	10.0	27.5	2.3	6.4	53.6	43.7
3	Wild buckwheat	57.6	12.7	22.1	1.1	1.9	11.4	42.9
4	Lamb's-quarters	36.4	11.5	31.7	2.0	5.5	37.2	42.5
5	Stinkweed	24.2	5.8	23.8	1.9	8.0	59.2	31.5
6	Russian thistle	21.2	7.4	35.0	0.9	4.2	15.8	23.3
7	Kochia	27.3	7.0	25.6	0.3	1.2	3.2	20.0
8	Lentils	12.1	4.1	33.8	0.3	2.4	4.4	11.2
9	Spring wheat/durum	3.0	2.6	85.0	0.6	19.6	19.6	9.2
10	Canada thistle	15.2	2.1	14.0	0.1	0.7	1.4	8.3
11	Redroot pigweed	6.1	2.1	35.0	0.1	1.7	3.2	5.3
12	Biennial wormwood	3.0	0.9	30.0	< 0.1	1.4	1.4	2.4
13	Scouring-rush	3.0	0.5	15.0	< 0.1	1.2	1.2	1.8
14	Cow cockle	3.0	0.5	15.0	< 0.1	0.6	0.6	1.7
15	False ragweed	3.0	0.5	15.0	< 0.1	0.6	0.6	1.7
16	Field horsetail	3.0	0.2	5.0	< 0.1	1.0	1.0	1.4
17	Round-leaved mallow	3.0	0.2	5.0	< 0.1	0.4	0.4	1.3
18	Narrow-leaved hawk's-beard	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2
19	Prostrate knotweed	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2
20	Common pepper-grass	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2

Table 154. Mustard fields in the West Central Extension Region (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	58.3	21.3	36.4	1.5	2.6	5.2	50.0
2	Spring wheat/durum	25.0	7.5	30.0	2.2	8.7	23.0	34.7
3	Wild oats	41.7	10.4	25.0	1.4	3.2	8.8	33.7
4	Stinkweed	50.0	9.2	18.3	0.7	1.3	2.8	28.1
5	Redroot pigweed	33.3	10.0	30.0	0.8	2.3	4.4	25.4
6	Green foxtail	25.0	8.8	35.0	0.9	3.5	9.4	23.1
7	Russian thistle	33.3	10.0	30.0	0.5	1.5	4.2	22.9
8	Kochia	25.0	3.8	15.0	0.4	1.5	4.0	13.6
9	Rose species	8.3	2.5	30.0	0.8	9.0	9.0	11.8
10	Lentils	8.3	5.0	60.0	0.5	5.4	5.4	11.2
11	Lamb's-quarters	8.3	6.3	75.0	0.3	3.6	3.6	11.0
12	Thyme-leaved spurge	8.3	5.4	65.0	0.3	3.2	3.2	9.8
13	Cow cockle	16.7	1.7	10.0	0.1	0.4	0.6	6.6
14	Barley	8.3	2.5	30.0	0.1	1.6	1.6	5.8
15	Annual sow-thistle	8.3	0.4	5.0	0.1	1.2	1.2	3.5
16	Biennial wormwood	8.3	0.8	10.0	< 0.1	0.4	0.4	3.3
17	Common pepper-grass	8.3	0.4	5.0	< 0.1	0.2	0.2	2.7
18	Wild tomato	8.3	0.4	5.0	< 0.1	0.2	0.2	2.7



Table 155. Pulse fields in the West Central Extension Region (33 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	30.3	13.8	45.5	7.3	24.2	135.2	63.4
2	Kochia	27.3	9.7	35.6	4.3	15.9	99.8	42.4
3	Wild oats	30.3	10.0	33.0	2.6	8.5	54.4	35.1
4	Wild buckwheat	39.4	6.2	15.8	0.6	1.5	10.4	23.1
5	Oats	3.0	3.0	100.0	3.2	104.4	104.4	20.4
6	Stinkweed	27.3	4.7	17.2	0.3	1.0	4.4	15.9
7	Canada thistle	21.2	4.4	20.7	0.4	1.8	3.4	14.2
8	Redroot pigweed	18.2	4.8	26.7	0.4	2.0	4.4	13.7
9	Lamb's-quarters	18.2	3.3	18.3	0.2	1.3	2.4	11.1
10	Flixweed	18.2	3.0	16.7	0.2	1.3	4.8	10.8
11	Spring wheat/durum	18.2	2.6	14.2	0.2	1.0	4.0	9.8
12	Russian thistle	15.2	1.4	9.0	0.1	0.4	0.6	6.8
13	Biennial wormwood	9.1	1.4	15.0	0.1	0.7	1.4	4.9
14	Field horsetail	3.0	1.4	45.0	0.3	8.6	8.6	4.0
15	Wild mustard	9.1	0.6	6.7	< 0.1	0.3	0.4	3.7
16	Canada fleabane	3.0	1.7	55.0	0.1	2.8	2.8	3.5
17	Field peas	9.1	0.5	5.0	< 0.1	0.2	0.2	3.5
18	Barley	3.0	1.1	35.0	0.1	4.4	4.4	3.0
19	Prickly lettuce	6.1	0.6	10.0	< 0.1	0.5	0.6	2.8
20	Goat's-beard	3.0	0.6	20.0	< 0.1	0.8	0.8	1.8
21	Dandelion	3.0	0.3	10.0	< 0.1	0.6	0.6	1.4
22	Canola (Argentine)	3.0	0.2	5.0	< 0.1	0.4	0.4	1.2
23	Cow cockle	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2
24	Thyme-leaved spurge	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2
25	Alfalfa	3.0	0.2	5.0	< 0.1	0.2	0.2	1.2

Table 156. Pea fields in the West Central Extension Region (10 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	40.0	31.5	78.8	20.6	51.6	135.2	96.6
2	Oats	10.0	10.0	100.0	10.4	104.4	104.4	40.5
3	Wild oats	50.0	14.5	29.0	1.9	3.9	7.8	31.8
4	Wild buckwheat	50.0	7.5	15.0	1.3	2.6	10.4	23.1
5	Kochia	40.0	10.0	25.0	0.9	2.3	4.8	22.1
6	Lamb's-quarters	40.0	6.0	15.0	0.5	1.2	2.4	17.0
7	Canada thistle	30.0	7.5	25.0	0.7	2.3	3.4	16.6
8	Stinkweed	30.0	3.0	10.0	0.1	0.4	0.8	10.6
9	Spring wheat/durum	30.0	2.0	6.7	0.1	0.3	0.4	9.6
10	Biennial wormwood	20.0	3.5	17.5	0.2	0.8	1.4	8.8
11	Redroot pigweed	10.0	1.5	15.0	0.1	1.4	1.4	4.3
12	Dandelion	10.0	1.0	10.0	0.1	0.6	0.6	3.6
13	Prickly lettuce	10.0	1.0	10.0	0.1	0.6	0.6	3.6
14	Canola (Argentine)	10.0	0.5	5.0	< 0.1	0.4	0.4	3.0
15	Flixweed	10.0	0.5	5.0	< 0.1	0.2	0.2	3.0
16	Russian thistle	10.0	0.5	5.0	< 0.1	0.2	0.2	3.0
17	Alfalfa	10.0	0.5	5.0	< 0.1	0.2	0.2	3.0

Table 157. Lentil fields in the West Central Extension Region (21 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Kochia	23.8	10.5	44.0	6.4	26.9	99.8	70.1
2	Wild oats	19.0	7.1	37.5	2.7	14.3	54.4	37.0
3	Green foxtail	28.6	6.7	23.3	1.7	5.9	18.0	32.2
4	Wild buckwheat	38.1	6.2	16.3	0.3	0.8	1.8	25.1
5	Redroot pigweed	23.8	6.9	29.0	0.5	2.1	4.4	22.4
6	Stinkweed	23.8	5.7	24.0	0.4	1.6	4.4	19.7
7	Flixweed	19.0	4.3	22.5	0.4	1.9	4.8	15.8
8	Canada thistle	19.0	3.3	17.5	0.3	1.5	3.4	13.7
9	Spring wheat/durum	14.3	3.1	21.7	0.2	1.6	4.0	11.4
10	Lamb's-quarters	9.5	2.4	25.0	0.1	1.4	2.0	7.9
11	Field horsetail	4.8	2.1	45.0	0.4	8.6	8.6	7.8
12	Russian thistle	14.3	1.4	10.0	0.1	0.5	0.6	7.7
13	Canada fleabane	4.8	2.6	55.0	0.1	2.8	2.8	6.6
14	Barley	4.8	1.7	35.0	0.2	4.4	4.4	5.7
15	Wild mustard	9.5	0.5	5.0	< 0.1	0.2	0.2	4.2
16	Field peas	9.5	0.5	5.0	< 0.1	0.2	0.2	4.2
17	Goat's-beard	4.8	1.0	20.0	< 0.1	0.8	0.8	3.4
18	Prickly lettuce	4.8	0.5	10.0	< 0.1	0.4	0.4	2.5
19	Biennial wormwood	4.8	0.5	10.0	< 0.1	0.4	0.4	2.5

Table 158. All fields in the East Central Extension Region (399 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	53.9	21.2	39.4	12.0	22.2	323.4	68.2
2	Wild oats	62.9	21.2	33.6	4.5	7.1	113.4	44.4
3	Wild buckwheat	55.6	16.3	29.3	1.8	3.3	47.6	30.1
4	Canada thistle	57.9	12.9	22.4	1.5	2.5	22.0	26.7
5	Lamb's-quarters	26.1	5.4	20.8	1.7	6.4	204.6	15.1
6	Redroot pigweed	15.5	3.2	20.6	0.8	5.4	121.8	8.4
7	Russian thistle	11.8	3.2	26.8	0.7	6.3	58.8	7.4
8	Spring wheat/durum	11.5	3.6	31.1	0.6	5.4	51.8	7.3
9	Field horsetail	13.5	2.7	20.3	0.6	4.5	93.0	6.9
10	Dandelion	16.8	2.6	15.5	0.2	1.5	26.8	6.2
11	Cleavers	16.5	2.3	14.0	0.3	1.6	10.6	6.0
12	Hemp-nettle	14.3	2.4	17.0	0.4	2.5	35.6	6.0
13	Perennial sow-thistle	14.5	2.6	17.6	0.3	1.9	21.8	5.8
14	Wild mustard	12.3	1.9	15.1	0.3	2.6	25.0	5.0
15	Canola (Argentine)	7.8	1.8	23.1	0.5	6.7	84.6	4.7
16	Stinkweed	10.8	1.6	14.8	0.2	1.9	25.8	4.1
17	Flax	3.3	1.1	33.8	0.6	18.7	161.6	3.6
18	Kochia	5.8	1.8	30.9	0.3	5.1	31.4	3.6
19	Pale smartweed	8.3	1.2	13.9	0.2	2.6	31.0	3.3
20	Shepherd's-purse	8.3	1.3	16.1	0.2	1.9	17.2	3.2
21	Chickweed	5.3	1.3	24.0	0.2	4.3	17.0	2.8
22	Night-flowering catchfly	6.0	1.2	20.6	0.2	2.8	13.4	2.7
23	Barley	6.8	1.0	14.6	0.1	1.8	8.2	2.5
24	Quack grass	6.5	0.9	13.7	0.1	2.2	13.2	2.5
25	Barnyard grass	3.5	0.7	19.3	0.1	3.4	18.6	1.6
26	Narrow-leaved hawk's-beard	4.8	0.6	11.6	0.1	1.2	7.4	1.6
27	Black medick	3.8	0.5	14.0	0.1	2.7	7.8	1.5
28	Round-leaved mallow	3.8	0.5	14.0	< 0.1	1.3	5.2	1.3
29	Oats	1.3	0.5	42.0	0.2	15.2	42.8	1.3
30	Prostrate knotweed	3.8	0.4	10.0	< 0.1	0.8	3.6	1.1
31	Bluebur	3.3	0.4	11.2	< 0.1	1.0	2.6	1.0
32	Persian darnel	2.3	0.3	13.9	0.1	4.0	22.4	1.0
33	Flixweed	3.0	0.3	10.0	< 0.1	0.8	3.8	0.9
34	Annual sow-thistle	2.5	0.3	13.5	< 0.1	1.3	3.4	0.9
35	Spiny annual sow-thistle	2.5	0.3	10.5	< 0.1	0.8	1.8	0.8
36	Foxtail barley	2.0	0.2	9.4	< 0.1	1.1	4.0	0.6
37	Biennial wormwood	2.0	0.2	8.1	< 0.1	1.0	3.6	0.6
38	Yellow sweet-clover	0.5	0.3	65.0	0.1	12.2	16.2	0.6
39	Wormseed mustard	1.3	0.2	15.0	< 0.1	2.6	8.2	0.5
40	Rose species	1.5	0.2	10.0	< 0.1	1.6	4.2	0.5
41	Cow cockle	1.3	0.2	18.0	< 0.1	1.3	2.6	0.5
42	Dog mustard	1.0	0.2	17.5	< 0.1	2.5	8.0	0.4
43	American dragonhead	1.3	0.1	8.0	< 0.1	2.0	7.2	0.4
44	Purslane speedwell	1.5	0.1	5.8	< 0.1	0.5	1.0	0.4
45	Wild tomato	1.3	0.1	11.0	< 0.1	0.7	1.2	0.4
46	Scouring-rush	1.0	0.2	16.3	< 0.1	1.6	3.8	0.4
47	Thyme-leaved spurge	1.0	0.1	10.0	< 0.1	2.5	8.0	0.4
48	Coriander	0.3	0.2	85.0	< 0.1	11.8	11.8	0.3
49	Broad-leaved plantain	1.3	0.1	5.0	< 0.1	0.4	0.8	0.3
50	Downy brome	0.5	0.2	32.5	< 0.1	4.7	4.8	0.3
51	White mustard	0.5	0.2	32.5	< 0.1	2.8	5.0	0.3
52	Canary grass	0.3	0.2	60.0	< 0.1	11.0	11.0	0.3

(Table continued on next page)

Table 158. All fields in the East Central Extension Region (399 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Prostrate pigweed	0.8	0.1	8.3	< 0.1	0.8	1.6	0.2
54	Red clover	0.5	0.1	20.0	< 0.1	1.1	1.4	0.2
55	Scentsless chamomile	0.5	0.1	20.0	< 0.1	1.0	1.8	0.2
56	Common groundsel	0.5	0.1	17.5	< 0.1	1.0	1.6	0.2
57	Borage	0.3	0.1	45.0	< 0.1	5.0	5.0	0.2
58	Stork's-bill	0.3	0.1	35.0	< 0.1	6.8	6.8	0.2
59	Tumble pigweed	0.5	0.1	15.0	< 0.1	1.0	1.8	0.2
60	Smooth brome	0.5	0.1	12.5	< 0.1	1.2	1.6	0.2
61	Pineappleweed	0.5	0.1	15.0	< 0.1	0.6	1.0	0.2
62	Prickly lettuce	0.5	< 0.1	7.5	< 0.1	1.7	3.2	0.2
63	Nodding thistle	0.3	0.1	35.0	< 0.1	2.2	2.2	0.1
64	Striate knotweed	0.5	< 0.1	7.5	< 0.1	0.5	0.8	0.1
65	Pygmyflower	0.3	0.1	25.0	< 0.1	3.0	3.0	0.1
66	Common pepper-grass	0.5	< 0.1	5.0	< 0.1	0.3	0.4	0.1
67	Tansy	0.5	< 0.1	5.0	< 0.1	0.3	0.4	0.1
68	Povertyweed	0.3	0.1	20.0	< 0.1	0.8	0.8	0.1
69	Witch grass	0.3	< 0.1	10.0	< 0.1	1.4	1.4	0.1
70	Bicknell's geranium	0.3	< 0.1	10.0	< 0.1	1.0	1.0	0.1
71	Absinth	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
72	Aspen poplar	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
73	Milk-vetch species	0.3	< 0.1	5.0	< 0.1	1.0	1.0	0.1
74	Toad rush	0.3	< 0.1	5.0	< 0.1	0.8	0.8	0.1
75	Goat's-beard	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
76	Rayless aster	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
77	Rough cinquefoil	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
78	Canada fleabane	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
79	Slough grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
80	Black mustard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Tall hedge mustard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Water smartweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
83	Corn spurry	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
84	Fowl-meadow grass	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
85	Fall rye	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 159. Cereal fields in the East Central Extension Region (255 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	56.9	23.7	41.7	13.6	23.9	308.6	76.7
2	Wild oats	60.8	20.3	33.5	4.3	7.0	113.4	43.8
3	Wild buckwheat	52.2	15.6	29.9	1.9	3.7	47.6	30.3
4	Canada thistle	59.2	13.8	23.3	1.5	2.6	21.4	29.0
5	Lamb's-quarters	18.8	3.3	17.4	0.7	4.0	113.2	9.1
6	Redroot pigweed	16.1	3.6	22.4	0.6	4.0	29.6	8.5
7	Field horsetail	12.9	2.7	21.2	0.7	5.6	93.0	7.4
8	Russian thistle	9.8	2.9	29.8	0.8	8.1	58.8	7.1
9	Canola (Argentine)	9.4	2.2	23.8	0.7	7.7	84.6	6.2
10	Hemp-nettle	13.7	2.4	17.3	0.4	3.0	35.6	6.2
11	Dandelion	17.3	2.3	13.4	0.2	1.0	5.0	6.1
12	Wild mustard	13.7	2.1	15.0	0.5	3.3	25.0	6.1
13	Cleavers	14.9	2.3	15.3	0.3	2.0	10.6	6.0
14	Perennial sow-thistle	12.2	2.2	18.2	0.2	1.8	9.0	5.1
15	Spring wheat/durum	7.8	2.6	33.3	0.3	3.9	20.6	4.8
16	Flax	3.5	1.2	35.0	0.8	23.4	161.6	4.5
17	Pale smartweed	7.5	1.3	17.4	0.3	3.8	31.0	3.6
18	Kochia	5.1	1.5	29.2	0.2	4.8	31.4	3.1
19	Stinkweed	6.7	1.0	15.0	0.2	3.0	25.8	2.9
20	Quack grass	7.1	1.0	13.6	0.1	2.0	5.4	2.7
21	Shepherd's-purse	6.7	0.9	12.9	0.1	2.0	17.2	2.5
22	Night-flowering catchfly	4.7	1.1	22.5	0.2	3.3	13.4	2.4
23	Barnyard grass	4.3	0.9	20.5	0.2	4.2	18.6	2.2
24	Barley	5.1	0.8	16.5	0.1	1.6	3.4	2.0
25	Chickweed	3.1	0.6	20.6	0.2	5.1	16.4	1.7
26	Oats	1.2	0.6	53.3	0.3	21.7	42.8	1.6
27	Narrow-leaved hawk's-beard	5.1	0.5	9.2	< 0.1	0.5	1.8	1.5
28	Flixweed	3.1	0.4	11.3	< 0.1	1.1	3.8	1.1
29	Foxtail barley	3.1	0.3	9.4	< 0.1	1.1	4.0	1.0
30	Black medick	2.4	0.3	10.8	0.1	3.1	7.8	0.9
31	Prostrate knotweed	3.1	0.3	8.8	< 0.1	0.6	1.6	0.9
32	Persian darnel	1.6	0.2	15.0	0.1	6.9	22.4	0.9
33	Round-leaved mallow	2.7	0.3	10.0	< 0.1	0.7	1.2	0.9
34	Bluebur	2.4	0.3	13.3	< 0.1	1.3	2.6	0.9
35	Scouring-rush	1.6	0.3	16.3	< 0.1	1.6	3.8	0.6
36	Annual sow-thistle	2.0	0.2	8.0	< 0.1	0.8	2.4	0.6
37	Rose species	1.6	0.2	11.3	< 0.1	2.1	4.2	0.6
38	Biennial wormwood	2.0	0.2	8.0	< 0.1	0.6	1.6	0.6
39	American dragonhead	1.6	0.1	6.3	< 0.1	2.2	7.2	0.5
40	Coriander	0.4	0.3	85.0	< 0.1	11.8	11.8	0.5
41	White mustard	0.8	0.3	32.5	< 0.1	2.8	5.0	0.4
42	Purslane speedwell	1.6	0.1	6.3	< 0.1	0.5	1.0	0.4
43	Canary grass	0.4	0.2	60.0	< 0.1	11.0	11.0	0.4
44	Wormseed mustard	0.8	0.2	22.5	< 0.1	4.2	8.2	0.4
45	Thyme-leaved spurge	1.2	0.1	8.3	< 0.1	0.7	1.6	0.4
46	Cow cockle	0.8	0.2	20.0	< 0.1	1.5	2.6	0.3
47	Broad-leaved plantain	1.2	0.1	5.0	< 0.1	0.4	0.8	0.3
48	Borage	0.4	0.2	45.0	< 0.1	5.0	5.0	0.3
49	Tumble pigweed	0.8	0.1	15.0	< 0.1	1.0	1.8	0.3
50	Pineappleweed	0.8	0.1	15.0	< 0.1	0.6	1.0	0.3
51	Prickly lettuce	0.8	0.1	7.5	< 0.1	1.7	3.2	0.3
52	Downy brome	0.4	0.1	20.0	< 0.1	4.8	4.8	0.2

(Table continued on next page)

Table 159. Cereal fields in the East Central Extension Region (255 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Spiny annual sow-thistle	0.8	< 0.1	5.0	< 0.1	0.5	0.8	0.2
54	Common pepper-grass	0.8	< 0.1	5.0	< 0.1	0.3	0.4	0.2
55	Pygmyflower	0.4	0.1	25.0	< 0.1	3.0	3.0	0.2
56	Common groundsel	0.4	0.1	25.0	< 0.1	1.6	1.6	0.2
57	Wild tomato	0.4	0.1	15.0	< 0.1	1.0	1.0	0.1
58	Witch grass	0.4	< 0.1	10.0	< 0.1	1.4	1.4	0.1
59	Bicknell's geranium	0.4	< 0.1	10.0	< 0.1	1.0	1.0	0.1
60	Striate knotweed	0.4	< 0.1	10.0	< 0.1	0.8	0.8	0.1
61	Red clover	0.4	< 0.1	10.0	< 0.1	0.8	0.8	0.1
62	Absinth	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
63	Aspen poplar	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
64	Milk-vetch species	0.4	< 0.1	5.0	< 0.1	1.0	1.0	0.1
65	Smooth brome	0.4	< 0.1	5.0	< 0.1	0.8	0.8	0.1
66	Goat's-beard	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
67	Rayless aster	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Canada fleabane	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Tall hedge mustard	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Water smartweed	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Tansy	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Fowl-meadow grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Fall rye	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 160. Spring wheat fields in the East Central Extension Region (129 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	57.4	24.9	43.4	12.5	21.8	269.2	84.5
2	Wild oats	63.6	20.0	31.5	3.2	5.0	45.6	45.3
3	Wild buckwheat	54.3	17.2	31.6	1.8	3.3	26.2	35.1
4	Canada thistle	55.0	13.6	24.8	1.5	2.7	21.4	31.1
5	Russian thistle	10.9	4.3	40.0	1.4	12.8	58.8	11.9
6	Lamb's-quarters	12.4	2.5	20.0	1.1	9.0	113.2	9.5
7	Field horsetail	10.9	2.7	24.6	1.0	9.1	93.0	8.8
8	Redroot pigweed	13.2	3.2	24.4	0.7	5.4	29.6	8.7
9	Cleavers	14.7	1.9	13.2	0.2	1.7	10.0	6.1
10	Wild mustard	11.6	1.6	13.3	0.3	2.5	24.2	5.3
11	Hemp-nettle	10.9	1.7	15.7	0.2	1.9	14.2	4.9
12	Dandelion	10.9	1.7	15.4	0.1	1.4	5.0	4.6
13	Canola (Argentine)	8.5	1.6	18.6	0.1	1.5	6.0	3.9
14	Perennial sow-thistle	9.3	0.8	8.8	0.1	0.9	4.4	3.2
15	Quack grass	7.0	0.9	12.8	0.1	2.0	5.0	3.0
16	Stinkweed	7.0	0.7	9.4	< 0.1	0.5	1.4	2.4
17	Kochia	3.9	1.1	29.0	0.1	2.2	8.8	2.3
18	Shepherd's-purse	6.2	0.6	9.4	< 0.1	0.6	2.2	2.1
19	Barley	5.4	0.6	11.4	0.1	1.1	2.6	2.1
20	Oats	0.8	0.5	70.0	0.3	42.8	42.8	2.0
21	Narrow-leaved hawk's-beard	5.4	0.6	10.7	< 0.1	0.7	1.8	1.9
22	Barnyard grass	4.7	0.5	10.0	< 0.1	0.9	2.0	1.7
23	Chickweed	2.3	0.5	21.7	0.1	4.3	12.2	1.4
24	Flixweed	2.3	0.5	20.0	< 0.1	1.5	3.8	1.1
25	Scouring-rush	2.3	0.4	18.3	< 0.1	1.8	3.8	1.1
26	Pale smartweed	3.1	0.2	7.5	< 0.1	0.6	1.2	1.0
27	Round-leaved mallow	2.3	0.3	15.0	< 0.1	0.9	1.2	0.9
28	Canary grass	0.8	0.5	60.0	0.1	11.0	11.0	0.9
29	Flax	2.3	0.3	13.3	< 0.1	1.1	1.8	0.9
30	Black medick	1.6	0.3	17.5	0.1	4.9	7.8	0.9
31	Prostrate knotweed	2.3	0.2	10.0	< 0.1	0.4	0.6	0.8
32	Night-flowering catchfly	1.6	0.3	20.0	< 0.1	2.3	4.4	0.8
33	Foxtail barley	2.3	0.2	8.3	< 0.1	0.4	0.8	0.8
34	Cow cockle	1.6	0.3	20.0	< 0.1	1.5	2.6	0.7
35	American dragonhead	1.6	0.1	7.5	0.1	3.7	7.2	0.7
36	Borage	0.8	0.3	45.0	< 0.1	5.0	5.0	0.6
37	Annual sow-thistle	1.6	0.2	12.5	< 0.1	1.5	2.4	0.6
38	Downy brome	0.8	0.2	20.0	< 0.1	4.8	4.8	0.5
39	Purslane speedwell	1.6	0.1	5.0	< 0.1	0.4	0.6	0.5
40	Common pepper-grass	1.6	0.1	5.0	< 0.1	0.3	0.4	0.4
41	Pygmyflower	0.8	0.2	25.0	< 0.1	3.0	3.0	0.4
42	Persian darnel	0.8	0.1	15.0	< 0.1	3.4	3.4	0.4
43	Biennial wormwood	0.8	0.2	20.0	< 0.1	1.6	1.6	0.4
44	Thyme-leaved spurge	0.8	0.1	15.0	< 0.1	1.6	1.6	0.3
45	Bluebur	0.8	0.1	10.0	< 0.1	2.6	2.6	0.3
46	White mustard	0.8	0.1	15.0	< 0.1	0.6	0.6	0.3
47	Witch grass	0.8	0.1	10.0	< 0.1	1.4	1.4	0.3
48	Red clover	0.8	0.1	10.0	< 0.1	0.8	0.8	0.3
49	Absinth	0.8	0.1	10.0	< 0.1	0.4	0.4	0.3
50	Aspen poplar	0.8	0.1	10.0	< 0.1	0.4	0.4	0.3
51	Milk-vetch species	0.8	< 0.1	5.0	< 0.1	1.0	1.0	0.2
52	Goat's-beard	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2

(Table continued on next page)



Table 160. Spring wheat fields in the East Central Extension Region (129 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Rose species	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2
54	Canada fleabane	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
55	Tall hedge mustard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
56	Wormseed mustard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
57	Tumble pigweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
58	Broad-leaved plantain	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Fowl-meadow grass	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 161. Barley fields in the East Central Extension Region (76 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	68.4	24.7	36.1	7.7	11.2	113.4	58.3
2	Green foxtail	44.7	14.9	33.4	9.8	21.8	308.6	52.1
3	Canada thistle	60.5	13.1	21.6	1.5	2.5	14.2	27.7
4	Wild buckwheat	46.1	12.4	26.9	2.0	4.4	47.6	25.7
5	Spring wheat/durum	18.4	6.6	35.7	0.9	4.8	20.6	11.9
6	Canola (Argentine)	11.8	3.4	28.3	1.7	14.6	84.6	10.6
7	Redroot pigweed	21.1	4.3	20.6	0.7	3.3	11.2	10.0
8	Hemp-nettle	18.4	3.0	16.4	0.8	4.1	35.6	8.5
9	Lamb's-quarters	21.1	2.9	13.8	0.3	1.6	8.0	7.7
10	Dandelion	23.7	2.8	11.7	0.2	0.9	4.4	7.6
11	Field horsetail	14.5	2.9	20.0	0.5	3.4	12.6	6.8
12	Perennial sow-thistle	13.2	2.7	20.5	0.3	2.1	9.0	5.7
13	Wild mustard	11.8	1.9	16.1	0.5	4.4	25.0	5.6
14	Pale smartweed	11.8	2.0	16.7	0.4	3.1	12.0	5.1
15	Cleavers	11.8	2.1	17.8	0.3	2.5	8.0	5.0
16	Barnyard grass	6.6	2.2	33.0	0.5	8.1	18.6	4.8
17	Kochia	5.3	2.0	38.8	0.5	10.4	31.4	4.5
18	Flax	5.3	1.8	35.0	0.6	10.7	36.0	4.3
19	Stinkweed	5.3	1.3	25.0	0.4	6.8	25.8	3.3
20	Night-flowering catchfly	3.9	1.8	45.0	0.3	7.6	13.4	3.2
21	Quack grass	7.9	1.3	16.7	0.2	1.9	5.4	3.1
22	Shepherd's-purse	5.3	1.3	25.0	0.2	4.7	17.2	2.9
23	Oats	2.6	1.2	45.0	0.3	11.2	16.0	2.4
24	Narrow-leaved hawk's-beard	7.9	0.6	7.5	< 0.1	0.4	0.8	2.1
25	Chickweed	3.9	0.7	18.3	0.2	5.8	16.4	2.1
26	Coriander	1.3	1.1	85.0	0.2	11.8	11.8	1.7
27	Black medick	3.9	0.3	8.3	0.1	2.9	7.6	1.4
28	Flixweed	3.9	0.3	6.7	0.1	1.3	2.4	1.2
29	Foxtail barley	2.6	0.4	15.0	0.1	3.1	4.0	1.1
30	Wormseed mustard	1.3	0.5	40.0	0.1	8.2	8.2	1.0
31	Biennial wormwood	3.9	0.2	5.0	< 0.1	0.4	0.8	1.0
32	Pineappleweed	2.6	0.4	15.0	< 0.1	0.6	1.0	0.9
33	Prickly lettuce	2.6	0.2	7.5	< 0.1	1.7	3.2	0.8
34	Russian thistle	2.6	0.2	7.5	< 0.1	1.7	3.2	0.8
35	Persian darnel	2.6	0.2	7.5	< 0.1	0.9	1.6	0.8
36	Purslane speedwell	2.6	0.2	7.5	< 0.1	0.6	1.0	0.7
37	Round-leaved mallow	2.6	0.2	7.5	< 0.1	0.5	0.8	0.7
38	American dragonhead	2.6	0.1	5.0	< 0.1	0.6	0.8	0.7
39	Prostrate knotweed	2.6	0.1	5.0	< 0.1	0.5	0.8	0.7
40	Broad-leaved plantain	2.6	0.1	5.0	< 0.1	0.5	0.8	0.7
41	Spiny annual sow-thistle	2.6	0.1	5.0	< 0.1	0.5	0.8	0.7
42	Annual sow-thistle	2.6	0.1	5.0	< 0.1	0.3	0.4	0.7
43	Common groundsel	1.3	0.3	25.0	< 0.1	1.6	1.6	0.6
44	Barley	1.3	0.2	15.0	< 0.1	1.4	1.4	0.5
45	Rose species	1.3	0.1	5.0	< 0.1	2.8	2.8	0.4
46	Bicknell's geranium	1.3	0.1	10.0	< 0.1	1.0	1.0	0.4
47	Bluebur	1.3	0.1	5.0	< 0.1	0.8	0.8	0.3
48	Water smartweed	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
49	Thyme-leaved spurge	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3
50	Fall rye	1.3	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 162. Oat fields in the East Central Extension Region (42 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	71.4	33.5	46.8	23.4	32.8	243.0	91.5
2	Canada thistle	64.3	16.0	24.8	1.8	2.8	12.2	26.6
3	Wild buckwheat	52.4	15.4	29.3	2.1	4.0	29.0	24.9
4	Wild oats	38.1	12.3	32.2	1.6	4.2	14.2	19.0
5	Flax	4.8	3.2	67.5	3.9	82.1	161.6	12.4
6	Lamb's-quarters	33.3	6.7	20.0	0.5	1.4	4.0	11.6
7	Wild mustard	26.2	4.3	16.4	0.9	3.4	15.2	9.7
8	Perennial sow-thistle	19.0	6.0	31.3	0.6	3.1	8.4	8.9
9	Dandelion	26.2	3.7	14.1	0.2	0.9	2.6	7.8
10	Cleavers	19.0	3.6	18.8	0.5	2.5	10.6	7.0
11	Pale smartweed	11.9	3.5	29.0	1.0	8.4	31.0	6.9
12	Redroot pigweed	16.7	4.0	24.3	0.4	2.5	6.0	6.7
13	Field horsetail	16.7	3.0	17.9	0.5	2.9	13.8	6.1
14	Spring wheat/durum	14.3	3.9	27.5	0.3	1.9	6.8	5.9
15	Hemp-nettle	11.9	3.2	27.0	0.5	4.0	16.8	5.5
16	Canola (Argentine)	7.1	2.5	35.0	0.9	12.7	37.2	5.2
17	Night-flowering catchfly	14.3	2.1	15.0	0.3	2.1	5.6	4.7
18	Barley	11.9	2.9	24.0	0.3	2.2	3.4	4.7
19	Russian thistle	14.3	2.0	14.2	0.2	1.5	4.2	4.4
20	Stinkweed	7.1	1.5	21.7	0.5	6.5	12.6	3.4
21	Bluebur	9.5	1.5	16.3	0.1	1.1	1.4	3.0
22	Shepherd's-purse	9.5	1.0	10.0	0.2	2.3	7.2	2.9
23	Persian darnel	2.4	0.7	30.0	0.5	22.4	22.4	2.2
24	Chickweed	4.8	1.1	22.5	0.2	5.2	10.2	2.2
25	Prostrate knotweed	7.1	0.7	10.0	0.1	0.8	1.6	1.9
26	Kochia	4.8	1.1	22.5	0.1	1.6	2.6	1.8
27	Rose species	4.8	0.8	17.5	0.1	2.6	4.2	1.7
28	White mustard	2.4	1.2	50.0	0.1	5.0	5.0	1.5
29	Quack grass	4.8	0.6	12.5	0.1	1.6	3.0	1.4
30	Foxtail barley	4.8	0.4	7.5	< 0.1	0.4	0.6	1.1
31	Round-leaved mallow	4.8	0.2	5.0	< 0.1	0.5	0.6	1.1
32	Flixweed	4.8	0.2	5.0	< 0.1	0.2	0.2	1.0
33	Tumble pigweed	2.4	0.6	25.0	< 0.1	1.8	1.8	0.9
34	Wild tomato	2.4	0.4	15.0	< 0.1	1.0	1.0	0.7
35	Striate knotweed	2.4	0.2	10.0	< 0.1	0.8	0.8	0.6
36	Scouring-rush	2.4	0.2	10.0	< 0.1	0.8	0.8	0.6
37	Smooth brome	2.4	0.1	5.0	< 0.1	0.8	0.8	0.5
38	Rayless aster	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Annual sow-thistle	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
40	Biennial wormwood	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
41	Tansy	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 163. Oilseed fields in the East Central Extension Region (127 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	46.5	15.9	34.2	6.6	14.2	111.2	49.0
2	Wild oats	63.0	20.4	32.3	4.3	6.9	77.8	46.4
3	Wild buckwheat	60.6	17.4	28.7	1.6	2.7	12.6	32.1
4	Lamb's-quarters	37.8	8.3	22.0	3.5	9.3	204.6	28.4
5	Canada thistle	55.9	11.1	19.8	1.3	2.4	22.0	24.8
6	Spring wheat/durum	17.3	5.5	31.8	1.3	7.6	51.8	13.2
7	Russian thistle	15.0	3.3	22.4	0.6	4.3	53.8	8.2
8	Field horsetail	16.5	3.1	18.8	0.4	2.6	11.8	7.4
9	Perennial sow-thistle	18.1	3.1	17.2	0.3	1.9	21.8	7.3
10	Cleavers	20.5	2.5	12.3	0.2	1.0	4.6	6.6
11	Hemp-nettle	15.7	2.6	16.3	0.2	1.5	6.6	5.9
12	Redroot pigweed	14.2	2.0	14.2	0.4	2.5	27.0	5.7
13	Stinkweed	17.3	2.2	13.0	0.2	0.9	5.8	5.7
14	Dandelion	15.0	2.3	15.5	0.2	1.2	6.4	5.4
15	Chickweed	8.7	2.2	25.0	0.3	3.1	17.0	4.5
16	Night-flowering catchfly	9.4	1.8	18.8	0.2	2.3	8.0	4.1
17	Shepherd's-purse	9.4	1.8	18.8	0.2	2.1	11.2	4.0
18	Barley	8.7	1.1	13.2	0.2	2.3	8.2	3.4
19	Wild mustard	8.7	1.5	17.7	0.1	1.0	2.2	3.2
20	Pale smartweed	10.2	0.9	9.2	0.1	0.9	4.8	3.0
21	Kochia	4.7	1.4	30.0	0.2	4.9	22.2	3.0
22	Black medick	5.5	0.9	15.7	0.1	2.3	6.0	2.2
23	Quack grass	4.7	0.7	15.8	0.2	3.2	13.2	2.1
24	Yellow sweet-clover	1.6	1.0	65.0	0.2	12.2	16.2	1.9
25	Round-leaved mallow	5.5	0.7	12.9	0.1	1.3	3.6	1.9
26	Narrow-leaved hawk's-beard	3.1	0.7	22.5	0.1	3.6	7.4	1.6
27	Spiny annual sow-thistle	4.7	0.6	11.7	< 0.1	0.8	1.4	1.5
28	Prostrate knotweed	4.7	0.5	10.0	< 0.1	1.0	3.6	1.4
29	Persian darnel	3.1	0.5	15.0	0.1	2.0	3.8	1.2
30	Bluebur	3.9	0.4	10.0	< 0.1	0.8	1.6	1.2
31	Oats	1.6	0.4	25.0	0.1	5.4	10.6	1.0
32	Wild tomato	3.1	0.3	10.0	< 0.1	0.7	1.2	0.9
33	Annual sow-thistle	2.4	0.3	13.3	< 0.1	1.8	3.4	0.9
34	Barnyard grass	2.4	0.4	15.0	< 0.1	0.7	1.4	0.8
35	Wormseed mustard	2.4	0.2	10.0	< 0.1	1.6	4.4	0.8
36	Flax	2.4	0.3	11.7	< 0.1	0.9	2.2	0.7
37	Dog mustard	1.6	0.2	12.5	0.1	4.1	8.0	0.7
38	Prostrate pigweed	2.4	0.2	8.3	< 0.1	0.8	1.6	0.7
39	Cow cockle	1.6	0.4	22.5	< 0.1	1.2	2.0	0.7
40	Stork's-bill	0.8	0.3	35.0	0.1	6.8	6.8	0.6
41	Biennial wormwood	1.6	0.1	7.5	< 0.1	2.2	3.6	0.5
42	Thyme-leaved spurge	0.8	0.1	15.0	0.1	8.0	8.0	0.5
43	Nodding thistle	0.8	0.3	35.0	< 0.1	2.2	2.2	0.4
44	Scentless chamomile	0.8	0.3	35.0	< 0.1	1.8	1.8	0.4
45	Red clover	0.8	0.2	30.0	< 0.1	1.4	1.4	0.4
46	Purslane speedwell	1.6	0.1	5.0	< 0.1	0.4	0.6	0.4
47	Canola (Argentine)	0.8	0.2	30.0	< 0.1	1.2	1.2	0.4
48	Broad-leaved plantain	1.6	0.1	5.0	< 0.1	0.3	0.4	0.4
49	Flixweed	1.6	0.1	5.0	< 0.1	0.2	0.2	0.4
50	Povertyweed	0.8	0.2	20.0	< 0.1	0.8	0.8	0.3
51	American dragonhead	0.8	0.1	15.0	< 0.1	1.4	1.4	0.3
52	Rose species	0.8	0.1	10.0	< 0.1	0.6	0.6	0.2

(Table continued on next page)

Table 163. Oilseed fields in the East Central Extension Region (127 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Common groundsel	0.8	0.1	10.0	< 0.1	0.4	0.4	0.2
54	Toad rush	0.8	< 0.1	5.0	< 0.1	0.8	0.8	0.2
55	Tansy	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.2
56	Rough cinquefoil	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
57	Slough grass	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
58	Striate knotweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
59	Black mustard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2
60	Corn spurry	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.2

Table 164. Canola fields in the East Central Extension Region (97 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	63.9	20.2	31.6	4.8	7.5	77.8	55.3
2	Green foxtail	47.4	14.8	31.3	5.1	10.7	72.6	48.5
3	Wild buckwheat	56.7	14.8	26.2	1.5	2.6	12.6	32.3
4	Canada thistle	57.7	11.0	19.1	1.3	2.2	18.2	27.9
5	Lamb's-quarters	36.1	6.3	17.6	2.7	7.4	204.6	26.2
6	Spring wheat/durum	14.4	4.4	30.7	1.1	7.8	51.8	12.6
7	Field horsetail	18.6	3.0	16.4	0.4	2.3	11.8	8.6
8	Perennial sow-thistle	18.6	2.7	14.7	0.2	1.1	5.2	7.2
9	Cleavers	18.6	2.0	10.6	0.1	0.8	3.2	6.1
10	Stinkweed	17.5	2.1	11.8	0.1	0.7	3.2	5.9
11	Hemp-nettle	14.4	2.0	13.6	0.2	1.2	4.0	5.5
12	Russian thistle	12.4	2.0	16.3	0.2	1.4	8.6	5.1
13	Dandelion	12.4	1.5	12.5	0.1	0.9	6.4	4.4
14	Redroot pigweed	8.2	0.9	11.3	0.3	3.7	27.0	4.0
15	Night-flowering catchfly	9.3	1.5	16.1	0.2	1.7	5.4	4.0
16	Wild mustard	8.2	1.6	19.4	0.1	1.1	2.2	3.6
17	Kochia	4.1	1.3	31.3	0.3	6.3	22.2	3.3
18	Black medick	5.2	1.0	20.0	0.2	3.1	6.0	2.8
19	Shepherd's-purse	8.2	0.8	10.0	0.1	0.7	1.2	2.7
20	Barley	7.2	0.7	10.0	0.1	1.2	2.6	2.5
21	Quack grass	4.1	0.9	21.3	0.2	4.0	13.2	2.4
22	Prostrate knotweed	6.2	0.6	10.0	0.1	1.0	3.6	2.1
23	Spiny annual sow-thistle	5.2	0.7	13.0	< 0.1	0.9	1.4	1.9
24	Chickweed	5.2	0.6	12.0	0.1	1.0	2.0	1.8
25	Pale smartweed	6.2	0.4	5.8	< 0.1	0.5	1.0	1.7
26	Round-leaved mallow	5.2	0.5	9.0	< 0.1	0.9	3.6	1.7
27	Oats	2.1	0.5	25.0	0.1	5.4	10.6	1.4
28	Wild tomato	4.1	0.4	10.0	< 0.1	0.7	1.2	1.3
29	Yellow sweet-clover	1.0	0.7	70.0	0.1	8.2	8.2	1.3
30	Annual sow-thistle	3.1	0.4	13.3	0.1	1.8	3.4	1.3
31	Bluebur	4.1	0.3	6.3	< 0.1	0.6	0.8	1.2
32	Persian darnel	3.1	0.4	11.7	< 0.1	1.4	2.4	1.2
33	Barnyard grass	3.1	0.5	15.0	< 0.1	0.7	1.4	1.1
34	Flax	3.1	0.4	11.7	< 0.1	0.9	2.2	1.1
35	Prostrate pigweed	3.1	0.3	8.3	< 0.1	0.8	1.6	1.0
36	Stork's-bill	1.0	0.4	35.0	0.1	6.8	6.8	0.9
37	Wormseed mustard	2.1	0.3	12.5	< 0.1	2.3	4.4	0.9
38	Dog mustard	1.0	0.2	20.0	0.1	8.0	8.0	0.8
39	Biennial wormwood	2.1	0.2	7.5	< 0.1	2.2	3.6	0.8
40	Thyme-leaved spurge	1.0	0.2	15.0	0.1	8.0	8.0	0.8
41	Cow cockle	1.0	0.4	35.0	< 0.1	2.0	2.0	0.6
42	Purslane speedwell	2.1	0.1	5.0	< 0.1	0.4	0.6	0.5
43	Flixweed	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
44	Narrow-leaved hawk's-beard	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
45	Povertyweed	1.0	0.2	20.0	< 0.1	0.8	0.8	0.4
46	American dragonhead	1.0	0.2	15.0	< 0.1	1.4	1.4	0.4
47	Rose species	1.0	0.1	10.0	< 0.1	0.6	0.6	0.3
48	Common groundsel	1.0	0.1	10.0	< 0.1	0.4	0.4	0.3
49	Broad-leaved plantain	1.0	0.1	5.0	< 0.1	0.4	0.4	0.3
50	Tansy	1.0	0.1	5.0	< 0.1	0.4	0.4	0.3
51	Rough cinquefoil	1.0	0.1	5.0	< 0.1	0.2	0.2	0.3
52	Slough grass	1.0	0.1	5.0	< 0.1	0.2	0.2	0.3

(Table continued on next page)

Table 164. Canola fields in the East Central Extension Region (97 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Striate knotweed	1.0	0.1	5.0	< 0.1	0.2	0.2	0.3
54	Corn spurry	1.0	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 165. Flax fields in the East Central Extension Region (25 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.0	22.4	46.7	13.3	27.7	111.2	55.4
2	Wild oats	64.0	22.6	35.3	3.2	5.1	33.6	31.6
3	Lamb's-quarters	36.0	12.6	35.0	6.7	18.6	153.6	30.5
4	Wild buckwheat	72.0	18.0	25.0	1.4	2.0	8.8	25.4
5	Spring wheat/durum	32.0	10.8	33.8	2.3	7.1	24.4	17.2
6	Russian thistle	16.0	8.0	50.0	2.6	16.0	53.8	13.8
7	Canada thistle	44.0	8.2	18.6	0.8	1.9	9.4	13.7
8	Chickweed	24.0	8.6	35.8	1.2	4.9	17.0	11.8
9	Redroot pigweed	40.0	6.6	16.5	0.6	1.5	6.0	11.6
10	Hemp-nettle	24.0	5.4	22.5	0.5	2.1	6.6	8.2
11	Dandelion	24.0	5.6	23.3	0.4	1.8	4.2	8.1
12	Cleavers	28.0	4.6	16.4	0.4	1.4	4.6	8.0
13	Pale smartweed	24.0	3.2	13.3	0.3	1.4	4.8	6.5
14	Barley	16.0	3.0	18.8	0.7	4.4	8.2	6.1
15	Field horsetail	12.0	4.0	33.3	0.5	4.4	7.4	5.6
16	Stinkweed	16.0	3.2	20.0	0.3	2.0	5.8	5.2
17	Night-flowering catchfly	12.0	3.2	26.7	0.5	4.0	8.0	5.0
18	Shepherd's-purse	12.0	3.0	25.0	0.3	2.7	4.4	4.5
19	Yellow sweet-clover	4.0	2.4	60.0	0.6	16.2	16.2	3.7
20	Wild mustard	12.0	1.6	13.3	0.1	0.7	1.2	3.0
21	Perennial sow-thistle	12.0	1.0	8.3	0.1	0.5	0.6	2.6
22	Kochia	4.0	2.0	50.0	0.2	4.2	4.2	2.2
23	Narrow-leaved hawk's-beard	4.0	1.6	40.0	0.3	6.4	6.4	2.2
24	Quack grass	8.0	0.4	5.0	0.1	1.7	2.6	1.8
25	Round-leaved mallow	4.0	1.2	30.0	0.1	3.6	3.6	1.7
26	Nodding thistle	4.0	1.4	35.0	0.1	2.2	2.2	1.7
27	Persian darnel	4.0	1.0	25.0	0.2	3.8	3.8	1.6
28	Black medick	8.0	0.4	5.0	< 0.1	0.2	0.2	1.5
29	Red clover	4.0	1.2	30.0	0.1	1.4	1.4	1.5
30	Canola (Argentine)	4.0	1.2	30.0	< 0.1	1.2	1.2	1.4
31	Bluebur	4.0	1.0	25.0	0.1	1.6	1.6	1.4
32	Cow cockle	4.0	0.4	10.0	< 0.1	0.4	0.4	0.9
33	Toad rush	4.0	0.2	5.0	< 0.1	0.8	0.8	0.8
34	Black mustard	4.0	0.2	5.0	< 0.1	0.2	0.2	0.8
35	Dog mustard	4.0	0.2	5.0	< 0.1	0.2	0.2	0.8
36	Wormseed mustard	4.0	0.2	5.0	< 0.1	0.2	0.2	0.8
37	Broad-leaved plantain	4.0	0.2	5.0	< 0.1	0.2	0.2	0.8
38	Spiny annual sow-thistle	4.0	0.2	5.0	< 0.1	0.2	0.2	0.8



Table 166. Pulse fields in the East Central Extension Region (16 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	62.5	25.0	40.0	29.6	47.4	323.4	68.9
2	Wild oats	93.8	35.9	38.3	6.7	7.1	34.6	40.7
3	Wild buckwheat	68.8	16.9	24.5	1.6	2.4	6.0	19.8
4	Redroot pigweed	18.8	6.6	35.0	7.9	41.9	121.8	18.5
5	Lamb's-quarters	50.0	16.9	33.8	1.7	3.4	9.4	17.5
6	Canada thistle	50.0	14.1	28.1	1.5	3.0	7.4	15.8
7	Kochia	25.0	9.4	37.5	1.6	6.5	18.2	10.5
8	Canola (Argentine)	37.5	7.2	19.2	1.3	3.4	13.8	10.4
9	Stinkweed	25.0	5.9	23.8	0.7	2.8	6.6	7.3
10	Flax	6.3	5.6	90.0	1.9	30.4	30.4	6.7
11	Russian thistle	18.8	5.6	30.0	0.9	4.7	8.0	6.6
12	Shepherd's-purse	25.0	5.3	21.3	0.4	1.5	2.6	6.4
13	Perennial sow-thistle	25.0	3.8	15.0	0.6	2.4	5.0	6.0
14	Spring wheat/durum	25.0	4.1	16.3	0.3	1.3	3.0	5.7
15	Chickweed	12.5	4.1	32.5	1.0	7.9	15.0	5.2
16	Dandelion	18.8	4.4	23.3	0.3	1.6	4.2	5.1
17	Annual sow-thistle	12.5	3.4	27.5	0.3	2.1	2.8	3.7
18	Barley	18.8	2.2	11.7	0.2	0.8	1.2	3.7
19	Hemp-nettle	12.5	2.5	20.0	0.5	4.2	7.2	3.7
20	Black medick	12.5	2.2	17.5	0.3	2.7	4.2	3.2
21	Wild mustard	18.8	1.3	6.7	0.1	0.5	0.8	3.2
22	Dog mustard	12.5	2.8	22.5	0.1	0.9	1.0	3.2
23	Round-leaved mallow	6.3	3.1	50.0	0.3	5.2	5.2	2.9
24	Downy brome	6.3	2.8	45.0	0.3	4.6	4.6	2.7
25	Spiny annual sow-thistle	12.5	1.6	12.5	0.2	1.3	1.8	2.6
26	Cleavers	12.5	1.6	12.5	0.1	0.8	1.2	2.5
27	Flixweed	12.5	1.3	10.0	0.1	0.5	0.8	2.3
28	Quack grass	12.5	0.9	7.5	0.1	0.7	1.0	2.2
29	Bluebur	12.5	0.9	7.5	0.1	0.6	0.8	2.2
30	Smooth brome	6.3	1.3	20.0	0.1	1.6	1.6	1.6
31	Prostrate knotweed	6.3	1.3	20.0	0.1	0.8	0.8	1.5
32	Pale smartweed	6.3	0.6	10.0	0.2	2.4	2.4	1.4
33	Biennial wormwood	6.3	0.6	10.0	< 0.1	0.6	0.6	1.2
34	Cow cockle	6.3	0.3	5.0	0.1	1.2	1.2	1.1
35	Persian darnel	6.3	0.3	5.0	0.1	0.8	0.8	1.0
36	Rose species	6.3	0.3	5.0	0.1	0.8	0.8	1.0
37	Narrow-leaved hawk's-beard	6.3	0.3	5.0	< 0.1	0.4	0.4	1.0
38	Scentless chamomile	6.3	0.3	5.0	< 0.1	0.2	0.2	1.0

Table 167. Pea fields in the East Central Extension Region (13 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	100.0	39.2	39.2	8.0	8.0	34.6	58.0
2	Green foxtail	53.8	18.5	34.3	8.0	14.8	59.4	41.3
3	Canada thistle	61.5	17.3	28.1	1.8	3.0	7.4	22.5
4	Wild buckwheat	69.2	16.2	23.3	1.7	2.4	6.0	22.4
5	Lamb's-quarters	46.2	15.8	34.2	1.7	3.7	9.4	19.4
6	Canola (Argentine)	38.5	6.5	17.0	1.5	3.8	13.8	12.8
7	Kochia	15.4	6.2	40.0	1.5	9.8	18.2	9.8
8	Shepherd's-purse	30.8	6.5	21.3	0.4	1.5	2.6	8.7
9	Perennial sow-thistle	30.8	4.6	15.0	0.7	2.4	5.0	8.5
10	Chickweed	15.4	5.0	32.5	1.2	7.9	15.0	8.3
11	Spring wheat/durum	30.8	5.0	16.3	0.4	1.3	3.0	7.7
12	Russian thistle	15.4	5.0	32.5	0.7	4.4	8.0	6.7
13	Stinkweed	15.4	4.6	30.0	0.5	3.4	6.6	6.0
14	Hemp-nettle	15.4	3.1	20.0	0.6	4.2	7.2	5.6
15	Dandelion	15.4	4.6	30.0	0.3	2.2	4.2	5.4
16	Annual sow-thistle	15.4	4.2	27.5	0.3	2.1	2.8	5.2
17	Barley	23.1	2.7	11.7	0.2	0.8	1.2	4.9
18	Black medick	15.4	2.7	17.5	0.4	2.7	4.2	4.6
19	Round-leaved mallow	7.7	3.8	50.0	0.4	5.2	5.2	4.2
20	Wild mustard	23.1	1.5	6.7	0.1	0.5	0.8	4.1
21	Downy brome	7.7	3.5	45.0	0.4	4.6	4.6	3.9
22	Spiny annual sow-thistle	15.4	1.9	12.5	0.2	1.3	1.8	3.6
23	Cleavers	15.4	1.9	12.5	0.1	0.8	1.2	3.3
24	Quack grass	15.4	1.2	7.5	0.1	0.7	1.0	2.9
25	Bluebur	15.4	1.2	7.5	0.1	0.6	0.8	2.8
26	Smooth brome	7.7	1.5	20.0	0.1	1.6	1.6	2.2
27	Prostrate knotweed	7.7	1.5	20.0	0.1	0.8	0.8	2.0
28	Dog mustard	7.7	1.5	20.0	0.1	0.8	0.8	2.0
29	Pale smartweed	7.7	0.8	10.0	0.2	2.4	2.4	1.9
30	Biennial wormwood	7.7	0.8	10.0	< 0.1	0.6	0.6	1.5
31	Cow cockle	7.7	0.4	5.0	0.1	1.2	1.2	1.5
32	Persian darnel	7.7	0.4	5.0	0.1	0.8	0.8	1.4
33	Rose species	7.7	0.4	5.0	0.1	0.8	0.8	1.4
34	Narrow-leaved hawk's-beard	7.7	0.4	5.0	< 0.1	0.4	0.4	1.3
35	Scentless chamomile	7.7	0.4	5.0	< 0.1	0.2	0.2	1.2
36	Flixweed	7.7	0.4	5.0	< 0.1	0.2	0.2	1.2

Table 168. All fields in the South West Extension Region (363 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	49.3	22.5	45.6	12.0	24.4	520.0	78.1
2	Wild oats	58.7	17.8	30.4	3.9	6.6	107.6	46.5
3	Wild buckwheat	47.1	10.7	22.7	1.4	3.0	50.0	27.5
4	Stinkweed	28.1	7.4	26.4	2.7	9.4	198.0	24.0
5	Kochia	39.7	7.7	19.4	1.2	3.0	64.2	21.9
6	Redroot pigweed	31.1	5.2	16.8	1.0	3.3	128.0	16.7
7	Russian thistle	17.9	4.3	24.2	0.9	5.1	113.4	12.1
8	Barnyard grass	10.2	2.2	21.4	0.8	7.5	67.6	7.5
9	Cow cockle	10.5	2.9	27.9	0.4	3.8	30.4	7.0
10	Spring wheat/durum	9.6	3.0	31.3	0.4	4.5	33.4	7.0
11	Lamb's-quarters	14.0	2.2	16.0	0.3	2.1	52.4	6.8
12	Persian darnel	6.3	1.8	28.0	0.8	12.4	142.6	6.2
13	Foxtail barley	11.0	1.3	11.4	0.3	2.9	96.0	5.2
14	Flixweed	9.9	1.1	10.8	0.1	0.5	2.2	3.7
15	Wild mustard	4.4	1.4	32.2	0.3	6.5	37.4	3.5
16	Canada thistle	7.4	0.8	10.6	0.1	1.4	15.4	3.0
17	White mustard	1.7	1.0	59.2	0.3	19.1	49.8	2.5
18	Prickly lettuce	6.1	0.5	8.2	< 0.1	0.6	2.8	2.2
19	Dandelion	3.9	0.8	21.1	< 0.1	1.3	4.8	2.0
20	Tumble pigweed	2.2	0.6	25.0	0.2	10.7	43.8	1.9
21	Thyme-leaved spurge	2.2	0.5	22.5	0.1	5.4	38.4	1.5
22	Round-leaved mallow	2.2	0.5	21.3	0.1	5.4	28.4	1.4
23	Tumble mustard	3.0	0.4	14.1	< 0.1	1.0	6.6	1.3
24	Lentils	1.7	0.6	35.8	0.1	3.4	11.6	1.2
25	Field bindweed	1.1	0.3	26.3	0.1	6.2	20.8	0.8
26	Canada fleabane	1.9	0.2	11.4	< 0.1	0.6	1.4	0.7
27	Flax	1.4	0.3	20.0	< 0.1	1.6	4.0	0.7
28	Field peas	1.4	0.2	18.0	< 0.1	1.2	4.8	0.7
29	Common pepper-grass	1.1	0.2	13.8	< 0.1	3.4	11.8	0.6
30	Canola (Argentine)	1.1	0.2	16.3	< 0.1	1.1	2.8	0.5
31	American vetch	1.1	0.1	8.8	< 0.1	0.5	0.6	0.4
32	Prostrate pigweed	0.8	0.1	11.7	< 0.1	0.5	1.0	0.3
33	Chickpeas	0.6	0.1	25.0	< 0.1	1.9	2.2	0.3
34	Wood-sorrel species	0.3	< 0.1	15.0	0.1	19.4	19.4	0.3
35	Curled dock	0.8	0.1	8.3	< 0.1	0.9	1.8	0.3
36	Biennial wormwood	0.8	0.1	6.7	< 0.1	0.3	0.6	0.3
37	Dog mustard	0.3	0.1	50.0	< 0.1	6.0	6.0	0.3
38	Goat's-beard	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
39	Prostrate knotweed	0.6	0.1	15.0	< 0.1	1.3	1.6	0.2
40	Rough cinquefoil	0.6	< 0.1	5.0	< 0.1	0.9	1.6	0.2
41	Field horsetail	0.3	0.1	20.0	< 0.1	5.6	5.6	0.2
42	Annual sow-thistle	0.6	< 0.1	5.0	< 0.1	0.4	0.6	0.2
43	Wild tomato	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
44	Alfalfa	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
45	Canola (Polish)	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.2
46	Barley	0.3	0.1	20.0	< 0.1	2.4	2.4	0.1
47	Spear-leaved goosefoot	0.3	< 0.1	15.0	< 0.1	0.8	0.8	0.1
48	Pygmyflower	0.3	< 0.1	15.0	< 0.1	0.6	0.6	0.1
49	Skeletonweed	0.3	< 0.1	10.0	< 0.1	1.8	1.8	0.1
50	Pale smartweed	0.3	< 0.1	10.0	< 0.1	1.6	1.6	0.1
51	Cocklebur	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
52	Green tansy mustard	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1

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Table 168. All fields in the South West Extension Region (363 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Unknown broad-leaved species	0.3	< 0.1	5.0	< 0.1	0.6	0.6	0.1
54	Downy brome	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
55	Prairie coneflower	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
56	Small-leaved lamb's-quarters	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
57	Rose species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
58	Purslane speedwell	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
59	Sunflower	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Oats	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 169. Cereal fields in the South West Extension Region (275 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	52.4	25.1	47.9	13.6	26.0	520.0	88.7
2	Wild oats	61.5	17.9	29.2	4.0	6.5	80.2	49.8
3	Wild buckwheat	44.4	10.1	22.7	1.3	2.9	50.0	27.3
4	Kochia	37.1	7.5	20.1	1.4	3.7	64.2	22.8
5	Stinkweed	24.7	5.6	22.6	2.2	8.7	198.0	20.3
6	Redroot pigweed	30.2	4.7	15.7	1.1	3.7	128.0	17.2
7	Russian thistle	17.5	3.8	22.0	1.0	5.6	113.4	12.3
8	Barnyard grass	11.6	2.6	22.7	1.0	8.2	67.6	9.3
9	Cow cockle	11.3	3.3	29.4	0.5	4.3	30.4	8.3
10	Persian darnel	6.9	2.2	32.4	1.0	14.8	142.6	7.8
11	Lamb's-quarters	11.6	1.9	16.4	0.3	2.7	52.4	6.3
12	Foxtail barley	10.5	0.7	6.7	< 0.1	0.3	0.8	3.7
13	Flixweed	7.6	0.8	10.0	< 0.1	0.5	2.2	3.0
14	Canada thistle	5.8	0.7	12.2	0.1	1.8	15.4	2.7
15	Round-leaved mallow	2.5	0.6	22.9	0.2	6.1	28.4	1.9
16	Spring wheat/durum	2.9	0.7	23.1	0.1	2.8	8.2	1.8
17	White mustard	1.5	0.7	45.0	0.2	13.1	45.4	1.8
18	Prickly lettuce	4.4	0.4	8.3	< 0.1	0.6	2.8	1.7
19	Wild mustard	1.8	0.5	27.0	0.2	10.1	37.4	1.7
20	Thyme-leaved spurge	1.5	0.4	30.0	0.1	9.9	38.4	1.4
21	Dandelion	2.5	0.5	20.0	< 0.1	1.3	4.8	1.4
22	Lentils	1.8	0.5	25.0	< 0.1	1.7	5.0	1.1
23	Field peas	1.5	0.3	20.0	< 0.1	1.4	4.8	0.8
24	Field bindweed	1.1	0.1	13.3	0.1	7.1	20.8	0.7
25	Flax	1.5	0.2	13.8	< 0.1	1.0	2.6	0.7
26	Tumble pigweed	1.5	0.1	7.5	< 0.1	0.5	0.8	0.5
27	Common pepper-grass	0.7	0.1	17.5	< 0.1	6.2	11.8	0.5
28	Canola (Argentine)	0.7	0.2	25.0	< 0.1	1.9	2.8	0.4
29	Curled dock	1.1	0.1	8.3	< 0.1	0.9	1.8	0.4
30	Wood-sorrel species	0.4	0.1	15.0	0.1	19.4	19.4	0.4
31	Dog mustard	0.4	0.2	50.0	< 0.1	6.0	6.0	0.4
32	Tumble mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Biennial wormwood	0.7	0.1	7.5	< 0.1	0.4	0.6	0.3
34	Canada fleabane	0.4	0.1	25.0	< 0.1	1.4	1.4	0.2
35	Chickpeas	0.4	0.1	20.0	< 0.1	2.2	2.2	0.2
36	Skeletonweed	0.4	< 0.1	10.0	< 0.1	1.8	1.8	0.2
37	Pale smartweed	0.4	< 0.1	10.0	< 0.1	1.6	1.6	0.2
38	Cocklebur	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
39	American vetch	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
40	Rough cinquefoil	0.4	< 0.1	5.0	< 0.1	1.6	1.6	0.1
41	Annual sow-thistle	0.4	< 0.1	5.0	< 0.1	0.6	0.6	0.1
42	Unknown broad-leaved species	0.4	< 0.1	5.0	< 0.1	0.6	0.6	0.1
43	Downy brome	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
44	Prairie coneflower	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
45	Goat's-beard	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
46	Prostrate pigweed	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
47	Rose species	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
48	Purslane speedwell	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
49	Wild tomato	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
50	Oats	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
51	Canola (Polish)	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 170. Spring wheat fields in the South West Extension Region (70 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.0	28.8	57.6	18.1	36.2	267.2	91.8
2	Wild oats	51.4	15.1	29.4	3.7	7.2	57.4	39.1
3	Stinkweed	31.4	9.6	30.7	6.4	20.5	198.0	35.7
4	Wild buckwheat	54.3	13.5	24.9	2.0	3.8	50.0	33.7
5	Redroot pigweed	28.6	5.9	20.8	2.3	8.1	128.0	19.9
6	Kochia	32.9	6.1	18.5	0.9	2.8	19.0	17.4
7	Russian thistle	20.0	4.0	20.0	0.5	2.3	10.0	10.6
8	Lamb's-quarters	15.7	2.7	17.3	0.9	5.5	52.4	9.3
9	Cow cockle	11.4	3.4	29.4	0.5	4.2	17.2	7.8
10	Barnyard grass	12.9	1.9	14.4	0.3	2.3	12.4	6.1
11	Canada thistle	11.4	1.1	9.4	0.1	1.1	2.2	4.5
12	Persian darnel	7.1	0.6	9.0	< 0.1	0.7	2.2	2.7
13	Flixweed	5.7	0.9	16.3	< 0.1	0.8	2.2	2.6
14	Foxtail barley	7.1	0.5	7.0	< 0.1	0.4	0.8	2.5
15	Field bindweed	1.4	0.4	30.0	0.3	20.8	20.8	1.6
16	Lentils	1.4	1.0	70.0	0.1	5.0	5.0	1.6
17	Dandelion	1.4	0.9	60.0	0.1	4.8	4.8	1.4
18	Prickly lettuce	4.3	0.2	5.0	< 0.1	0.2	0.2	1.4
19	Wild mustard	1.4	0.5	35.0	0.2	10.8	10.8	1.3
20	Flax	2.9	0.3	10.0	< 0.1	0.5	0.6	1.1
21	Tumble pigweed	2.9	0.1	5.0	< 0.1	0.3	0.4	0.9
22	Field peas	2.9	0.1	5.0	< 0.1	0.3	0.4	0.9
23	Canada fleabane	1.4	0.4	25.0	< 0.1	1.4	1.4	0.8
24	Canola (Argentine)	1.4	0.3	20.0	< 0.1	1.0	1.0	0.7
25	Curled dock	1.4	0.2	15.0	< 0.1	1.8	1.8	0.7
26	Common pepper-grass	1.4	0.2	15.0	< 0.1	0.6	0.6	0.6
27	Unknown broad-leaved species	1.4	0.1	5.0	< 0.1	0.6	0.6	0.5
28	Spring wheat/durum	1.4	0.1	5.0	< 0.1	0.4	0.4	0.5
29	Round-leaved mallow	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
30	Tumble mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Thyme-leaved spurge	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
32	Wild tomato	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
33	Canola (Polish)	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 171. Barley fields in the South West Extension Region (50 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	52.0	22.9	44.0	8.6	16.5	83.8	75.1
2	Wild oats	66.0	17.0	25.8	3.2	4.9	62.8	48.7
3	Kochia	46.0	10.7	23.3	1.8	3.9	42.8	30.8
4	Wild buckwheat	44.0	9.9	22.5	1.5	3.4	39.2	28.0
5	Redroot pigweed	42.0	5.9	14.0	1.4	3.4	45.4	23.0
6	Russian thistle	20.0	6.1	30.5	1.6	7.8	35.0	18.4
7	Stinkweed	20.0	5.1	25.5	1.1	5.3	29.0	15.0
8	Barnyard grass	12.0	2.7	22.5	1.5	12.1	67.6	12.3
9	Lamb's-quarters	18.0	2.2	12.2	0.1	0.8	2.4	7.4
10	Thyme-leaved spurge	2.0	1.8	90.0	0.8	38.4	38.4	5.8
11	Spring wheat/durum	8.0	2.2	27.5	0.2	2.7	7.2	5.3
12	Flixweed	12.0	1.0	8.3	< 0.1	0.4	0.8	4.2
13	Foxtail barley	12.0	0.7	5.8	< 0.1	0.2	0.4	3.9
14	Cow cockle	8.0	0.7	8.8	0.1	1.4	3.8	3.2
15	Prickly lettuce	6.0	0.6	10.0	0.1	1.2	2.8	2.4
16	Dog mustard	2.0	1.0	50.0	0.1	6.0	6.0	2.1
17	Common pepper-grass	2.0	0.4	20.0	0.2	11.8	11.8	2.0
18	White mustard	2.0	0.9	45.0	0.1	4.2	4.2	1.8
19	Round-leaved mallow	4.0	0.4	10.0	< 0.1	1.2	1.2	1.6
20	Dandelion	4.0	0.3	7.5	< 0.1	0.5	0.8	1.4
21	Flax	2.0	0.6	30.0	0.1	2.6	2.6	1.4
22	Wild mustard	2.0	0.5	25.0	< 0.1	1.6	1.6	1.2
23	Rough cinquefoil	2.0	0.1	5.0	< 0.1	1.6	1.6	0.7
24	Persian darnel	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
25	Goat's-beard	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
26	Canada thistle	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
27	Biennial wormwood	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
28	Lentils	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
29	Oats	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
30	Field peas	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 172. Durum fields in the South West Extension Region (144 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	51.4	21.9	42.6	13.4	26.0	520.0	91.9
2	Wild oats	64.6	20.0	31.0	4.5	7.0	80.2	59.8
3	Wild buckwheat	38.9	8.5	21.9	0.9	2.3	36.4	24.9
4	Kochia	34.7	6.6	19.0	1.3	3.7	64.2	22.8
5	Stinkweed	23.6	3.8	16.2	0.6	2.4	32.0	13.6
6	Redroot pigweed	25.0	3.5	14.0	0.5	1.9	31.2	13.3
7	Barnyard grass	11.1	3.2	28.4	1.2	10.5	59.6	11.4
8	Russian thistle	14.6	2.6	18.1	1.0	7.0	113.4	11.3
9	Cow cockle	12.5	4.3	34.4	0.7	5.2	30.4	11.2
10	Persian darnel	8.3	3.2	38.8	0.9	11.2	39.8	9.8
11	Foxtail barley	11.1	0.8	6.9	< 0.1	0.4	0.8	4.3
12	Lamb's-quarters	6.9	1.0	15.0	0.1	1.0	3.8	3.5
13	Round-leaved mallow	2.8	0.9	33.8	0.3	10.0	28.4	3.0
14	Flixweed	6.3	0.4	6.7	< 0.1	0.3	0.6	2.4
15	White mustard	0.7	0.6	85.0	0.3	45.4	45.4	2.1
16	Wild mustard	1.4	0.5	35.0	0.3	18.9	37.4	2.0
17	Canada thistle	4.2	0.3	7.5	< 0.1	0.7	1.8	1.7
18	Prickly lettuce	3.5	0.2	7.0	< 0.1	0.5	1.0	1.4
19	Lentils	2.1	0.3	16.7	< 0.1	1.1	3.0	1.1
20	Dandelion	2.1	0.3	16.7	< 0.1	0.9	1.6	1.1
21	Wood-sorrel species	0.7	0.1	15.0	0.1	19.4	19.4	0.8
22	Tumble pigweed	1.4	0.1	10.0	< 0.1	0.6	0.8	0.6
23	Canola (Argentine)	0.7	0.2	30.0	< 0.1	2.8	2.8	0.5
24	Curled dock	1.4	0.1	5.0	< 0.1	0.4	0.6	0.5
25	Field bindweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
26	Tumble mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
27	Chickpeas	0.7	0.1	20.0	< 0.1	2.2	2.2	0.4
28	Thyme-leaved spurge	0.7	0.1	20.0	< 0.1	0.8	0.8	0.4
29	Skeletonweed	0.7	0.1	10.0	< 0.1	1.8	1.8	0.3
30	Pale smartweed	0.7	0.1	10.0	< 0.1	1.6	1.6	0.3
31	Biennial wormwood	0.7	0.1	10.0	< 0.1	0.6	0.6	0.3
32	Cocklebur	0.7	0.1	10.0	< 0.1	0.4	0.4	0.3
33	Annual sow-thistle	0.7	< 0.1	5.0	< 0.1	0.6	0.6	0.3
34	Downy brome	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
35	Prairie coneflower	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
36	Prostrate pigweed	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
37	Rose species	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
38	Purslane speedwell	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
39	Flax	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2



Table 173. Oilseed fields in the South West Extension Region (33 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	51.5	22.6	43.8	4.4	8.5	42.0	44.6
2	Wild buckwheat	57.6	17.6	30.5	2.9	5.0	40.6	36.0
3	Stinkweed	42.4	12.3	28.9	4.2	10.0	89.0	34.7
4	Green foxtail	39.4	14.2	36.2	3.1	7.9	47.4	31.0
5	Kochia	63.6	12.6	19.8	0.9	1.5	6.6	25.7
6	Redroot pigweed	42.4	9.8	23.2	1.3	3.2	16.6	21.1
7	Tumble pigweed	12.1	5.2	42.5	2.5	20.9	43.8	16.5
8	Russian thistle	24.2	9.5	39.4	1.0	4.3	13.4	16.1
9	Lamb's-quarters	30.3	5.2	17.0	0.4	1.3	2.8	11.4
10	Spring wheat/durum	18.2	5.2	28.3	0.5	3.0	7.4	9.6
11	White mustard	3.0	2.7	90.0	1.5	49.8	49.8	8.8
12	Wild mustard	6.1	3.8	62.5	0.4	6.5	11.2	5.6
13	Tumble mustard	9.1	3.2	35.0	0.3	3.1	6.6	5.3
14	Flixweed	15.2	2.3	15.0	0.1	0.8	1.4	5.1
15	Canada thistle	15.2	1.4	9.0	0.2	1.4	4.0	4.9
16	Dandelion	9.1	2.7	30.0	0.2	1.8	4.8	4.5
17	Cow cockle	9.1	0.8	8.3	0.1	0.6	1.4	2.6
18	Foxtail barley	9.1	0.8	8.3	< 0.1	0.4	0.8	2.5
19	Thyme-leaved spurge	6.1	1.1	17.5	< 0.1	0.8	1.2	2.2
20	American vetch	6.1	0.5	7.5	< 0.1	0.4	0.6	1.6
21	Barnyard grass	3.0	0.3	10.0	0.2	5.8	5.8	1.5
22	Spear-leaved goosefoot	3.0	0.5	15.0	< 0.1	0.8	0.8	1.0
23	Pygmyflower	3.0	0.5	15.0	< 0.1	0.6	0.6	1.0
24	Common pepper-grass	3.0	0.3	10.0	< 0.1	0.4	0.4	0.9
25	Rough cinquefoil	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
26	Persian darnel	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
27	Canada fleabane	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
28	Goat's-beard	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
29	Prickly lettuce	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
30	Wild tomato	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
31	Biennial wormwood	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7
32	Alfalfa	3.0	0.2	5.0	< 0.1	0.2	0.2	0.7

Table 174. Canola fields in the South West Extension Region (17 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	52.9	26.2	49.4	6.5	12.4	42.0	53.3
2	Green foxtail	52.9	18.2	34.4	4.6	8.8	47.4	40.5
3	Wild buckwheat	58.8	19.7	33.5	2.1	3.6	16.6	33.5
4	Stinkweed	35.3	8.2	23.3	5.4	15.4	89.0	32.6
5	Kochia	70.6	14.7	20.8	1.3	1.9	6.6	29.2
6	Russian thistle	35.3	12.1	34.2	1.4	4.0	13.4	20.8
7	Tumble pigweed	11.8	2.9	25.0	2.6	22.2	43.8	13.9
8	Redroot pigweed	41.2	5.6	13.6	0.5	1.3	4.4	13.9
9	Spring wheat/durum	23.5	7.1	30.0	0.9	3.7	7.4	12.8
10	Lamb's-quarters	29.4	5.6	19.0	0.5	1.8	2.8	11.6
11	Canada thistle	23.5	2.4	10.0	0.4	1.6	4.0	7.5
12	Tumble mustard	11.8	4.7	40.0	0.4	3.4	6.6	7.2
13	Foxtail barley	17.6	1.5	8.3	0.1	0.4	0.8	4.7
14	Flixweed	11.8	1.8	15.0	0.1	0.9	1.4	3.9
15	Barnyard grass	5.9	0.6	10.0	0.3	5.8	5.8	2.8
16	Spear-leaved goosefoot	5.9	0.9	15.0	< 0.1	0.8	0.8	1.9
17	Common pepper-grass	5.9	0.6	10.0	< 0.1	0.4	0.4	1.6
18	Cow cockle	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
19	Persian darnel	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
20	Goat's-beard	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
21	American vetch	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
22	Biennial wormwood	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
23	Alfalfa	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4

Table 175. Pulse fields in the South West Extension Region (55 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	40.0	14.5	36.4	9.4	23.5	322.6	57.8
2	Stinkweed	36.4	13.6	37.5	4.2	11.5	103.8	35.9
3	Wild oats	49.1	14.3	29.1	3.1	6.3	107.6	34.9
4	Spring wheat/durum	38.2	13.5	35.2	2.1	5.5	33.4	28.1
5	Wild buckwheat	54.5	9.8	18.0	1.1	1.9	11.4	24.1
6	Kochia	38.2	5.9	15.5	0.4	1.0	7.0	14.7
7	Foxtail barley	14.5	4.3	29.4	1.9	13.2	96.0	14.3
8	Redroot pigweed	29.1	4.9	16.9	0.4	1.4	7.2	12.0
9	Wild mustard	16.4	4.6	28.3	0.7	4.4	26.8	10.3
10	Russian thistle	16.4	3.6	22.2	0.6	3.5	17.8	8.9
11	Flixweed	18.2	1.9	10.5	0.1	0.5	1.4	5.8
12	Lamb's-quarters	16.4	2.2	13.3	0.1	0.8	3.2	5.8
13	Prickly lettuce	16.4	1.4	8.3	0.1	0.7	2.2	5.0
14	Cow cockle	7.3	2.3	31.3	0.2	2.3	5.4	4.2
15	Canada thistle	10.9	0.8	7.5	< 0.1	0.4	0.8	3.2
16	Barnyard grass	7.3	1.0	13.8	0.2	2.4	3.8	3.1
17	Canada fleabane	9.1	0.9	10.0	0.1	0.6	1.4	2.9
18	Dandelion	7.3	1.2	16.3	0.1	0.9	2.0	2.8
19	Lentils	1.8	1.6	90.0	0.2	11.6	11.6	2.7
20	White mustard	1.8	1.5	85.0	0.2	12.4	12.4	2.6
21	Tumble mustard	9.1	0.6	7.0	< 0.1	0.3	0.4	2.5
22	Persian darnel	5.5	0.5	8.3	0.1	1.1	2.6	1.8
23	Field bindweed	1.8	1.2	65.0	0.1	3.4	3.4	1.7
24	Prostrate knotweed	3.6	0.5	15.0	< 0.1	1.3	1.6	1.4
25	Flax	1.8	0.8	45.0	0.1	4.0	4.0	1.4
26	Prostrate pigweed	3.6	0.5	15.0	< 0.1	0.6	1.0	1.3
27	Thyme-leaved spurge	3.6	0.5	12.5	< 0.1	1.1	1.4	1.3
28	Field horsetail	1.8	0.4	20.0	0.1	5.6	5.6	1.1
29	Canola (Argentine)	3.6	0.3	7.5	< 0.1	0.3	0.4	1.0
30	Chickpeas	1.8	0.5	30.0	< 0.1	1.6	1.6	1.0
31	Barley	1.8	0.4	20.0	< 0.1	2.4	2.4	0.9
32	Common pepper-grass	1.8	0.2	10.0	< 0.1	0.6	0.6	0.6
33	American vetch	1.8	0.2	10.0	< 0.1	0.6	0.6	0.6
34	Round-leaved mallow	1.8	0.2	10.0	< 0.1	0.4	0.4	0.6
35	Green tansy mustard	1.8	0.2	10.0	< 0.1	0.4	0.4	0.6
36	Field peas	1.8	0.2	10.0	< 0.1	0.4	0.4	0.6
37	Goat's-beard	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Small-leaved lamb's-quarters	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Annual sow-thistle	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
40	Sunflower	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
41	Alfalfa	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
42	Canola (Polish)	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 176. Pea fields in the South West Extension Region (25 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	36.0	13.2	36.7	5.2	14.5	77.8	44.6
2	Spring wheat/durum	44.0	19.4	44.1	3.7	8.3	33.4	44.1
3	Foxtail barley	20.0	8.0	40.0	4.1	20.7	96.0	31.4
4	Wild oats	56.0	14.0	25.0	1.0	1.8	7.2	28.8
5	Wild buckwheat	64.0	8.8	13.8	1.1	1.8	9.2	26.2
6	Kochia	48.0	7.6	15.8	0.4	0.8	2.0	18.3
7	Stinkweed	20.0	6.4	32.0	1.5	7.3	27.6	16.9
8	Russian thistle	20.0	5.6	28.0	1.1	5.4	17.8	14.3
9	Redroot pigweed	28.0	5.6	20.0	0.3	1.1	4.2	12.1
10	Lamb's-quarters	20.0	3.0	15.0	0.2	1.0	3.2	7.7
11	Lentils	4.0	3.6	90.0	0.5	11.6	11.6	6.3
12	Flixweed	16.0	2.2	13.8	0.1	0.7	1.4	5.7
13	Wild mustard	12.0	1.0	8.3	0.2	1.6	2.6	4.2
14	Canada fleabane	12.0	1.4	11.7	0.1	0.6	1.4	4.0
15	Persian darnel	12.0	1.0	8.3	0.1	1.1	2.6	4.0
16	Prickly lettuce	12.0	1.0	8.3	0.1	0.9	2.2	3.8
17	Thyme-leaved spurge	8.0	1.0	12.5	0.1	1.1	1.4	2.9
18	Prostrate pigweed	8.0	1.2	15.0	< 0.1	0.6	1.0	2.9
19	Field horsetail	4.0	0.8	20.0	0.2	5.6	5.6	2.6
20	Canola (Argentine)	8.0	0.6	7.5	< 0.1	0.3	0.4	2.3
21	Chickpeas	4.0	1.2	30.0	0.1	1.6	1.6	2.2
22	Barnyard grass	4.0	0.6	15.0	0.2	3.8	3.8	2.1
23	Prostrate knotweed	4.0	0.8	20.0	0.1	1.6	1.6	1.8
24	Cow cockle	4.0	0.8	20.0	< 0.1	0.8	0.8	1.7
25	American vetch	4.0	0.4	10.0	< 0.1	0.6	0.6	1.3
26	Round-leaved mallow	4.0	0.4	10.0	< 0.1	0.4	0.4	1.2
27	Green tansy mustard	4.0	0.4	10.0	< 0.1	0.4	0.4	1.2
28	Tumble mustard	4.0	0.4	10.0	< 0.1	0.4	0.4	1.2
29	Dandelion	4.0	0.2	5.0	< 0.1	0.2	0.2	1.0
30	Small-leaved lamb's-quarters	4.0	0.2	5.0	< 0.1	0.2	0.2	1.0
31	Alfalfa	4.0	0.2	5.0	< 0.1	0.2	0.2	1.0
32	Canola (Polish)	4.0	0.2	5.0	< 0.1	0.2	0.2	1.0

Table 177. Lentil fields in the South West Extension Region (27 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	40.7	15.2	37.3	13.7	33.6	322.6	63.8
2	Stinkweed	48.1	20.7	43.1	7.0	14.6	103.8	49.6
3	Wild oats	48.1	16.1	33.5	5.3	11.1	107.6	40.4
4	Wild buckwheat	48.1	11.1	23.1	1.1	2.2	11.4	22.9
5	Spring wheat/durum	29.6	8.5	28.8	0.8	2.8	12.8	16.1
6	Wild mustard	22.2	8.5	38.3	1.3	5.8	26.8	15.9
7	Redroot pigweed	29.6	4.6	15.6	0.5	1.8	7.2	11.8
8	Kochia	25.9	3.9	15.0	0.4	1.5	7.0	10.0
9	Cow cockle	11.1	3.9	35.0	0.3	2.8	5.4	6.6
10	Flixweed	22.2	1.9	8.3	0.1	0.4	1.0	6.5
11	Canada thistle	22.2	1.7	7.5	0.1	0.4	0.8	6.4
12	Russian thistle	14.8	2.2	15.0	0.2	1.3	2.4	5.6
13	White mustard	3.7	3.1	85.0	0.5	12.4	12.4	4.9
14	Lamb's-quarters	14.8	1.7	11.3	0.1	0.5	0.6	4.7
15	Prickly lettuce	14.8	1.1	7.5	0.1	0.4	1.0	4.2
16	Barnyard grass	11.1	1.5	13.3	0.2	1.9	2.6	4.2
17	Dandelion	7.4	2.0	27.5	0.1	1.5	2.0	3.6
18	Foxtail barley	11.1	1.3	11.7	0.1	0.5	1.0	3.6
19	Field bindweed	3.7	2.4	65.0	0.1	3.4	3.4	3.2
20	Tumble mustard	11.1	0.7	6.7	< 0.1	0.3	0.4	3.1
21	Flax	3.7	1.7	45.0	0.1	4.0	4.0	2.7
22	Canada fleabane	7.4	0.6	7.5	< 0.1	0.5	0.8	2.1
23	Barley	3.7	0.7	20.0	0.1	2.4	2.4	1.7
24	Prostrate knotweed	3.7	0.4	10.0	< 0.1	1.0	1.0	1.2
25	Common pepper-grass	3.7	0.4	10.0	< 0.1	0.6	0.6	1.2
26	Field peas	3.7	0.4	10.0	< 0.1	0.4	0.4	1.1
27	Goat's-beard	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
28	Annual sow-thistle	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0
29	Sunflower	3.7	0.2	5.0	< 0.1	0.2	0.2	1.0

Table 178. All fields in the South East Extension Region (444 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	55.2	23.3	42.2	12.4	22.4	254.2	93.3
2	Wild buckwheat	45.3	8.8	19.5	0.7	1.6	21.2	24.4
3	Wild oats	28.8	8.8	30.6	1.5	5.3	59.2	23.7
4	Canada thistle	35.8	6.8	18.9	0.8	2.1	29.2	19.9
5	Barnyard grass	26.8	5.1	18.9	1.2	4.5	227.8	17.6
6	Redroot pigweed	24.1	4.9	20.3	1.1	4.5	179.2	16.3
7	Kochia	19.6	3.6	18.6	0.5	2.7	40.0	11.3
8	Flax	9.7	3.9	40.7	0.9	9.0	49.6	10.6
9	Spring wheat/durum	12.2	3.5	28.4	0.8	7.0	95.0	10.6
10	Lamb's-quarters	11.9	3.2	26.9	0.6	4.9	56.2	9.1
11	Stinkweed	13.1	2.0	15.5	0.3	2.1	31.0	6.7
12	Wild mustard	11.0	2.0	18.0	0.2	1.7	20.8	5.8
13	Flixweed	5.9	1.1	18.5	0.7	12.3	141.0	5.8
14	Dandelion	12.2	1.8	14.8	0.2	1.3	21.8	5.8
15	Bluebur	7.4	1.4	18.2	0.3	3.9	43.8	4.6
16	Russian thistle	9.0	1.3	14.8	0.2	2.1	11.6	4.6
17	Perennial sow-thistle	9.2	0.8	8.3	0.1	0.7	8.6	3.5
18	Round-leaved mallow	6.5	0.9	14.5	0.1	1.3	8.4	3.1
19	Foxtail barley	6.1	0.6	9.3	0.1	0.9	4.2	2.4
20	Thyme-leaved spurge	5.9	0.6	11.0	< 0.1	0.7	5.6	2.4
21	Biennial wormwood	5.6	0.6	11.0	0.1	1.0	5.6	2.4
22	Shepherd's-purse	3.8	0.5	13.2	0.1	1.6	12.4	1.8
23	Night-flowering catchfly	2.5	0.5	18.2	0.1	2.2	12.0	1.4
24	Canola (Argentine)	2.0	0.4	18.9	< 0.1	1.8	10.0	1.1
25	Prickly lettuce	2.5	0.2	8.6	< 0.1	0.5	1.8	0.9
26	Pale smartweed	2.0	0.2	11.7	< 0.1	1.1	2.2	0.9
27	Black medick	1.4	0.3	23.3	< 0.1	1.7	4.2	0.8
28	Cleavers	1.1	0.3	27.0	< 0.1	3.3	9.6	0.8
29	Spiny annual sow-thistle	1.8	0.1	8.1	< 0.1	0.6	2.8	0.7
30	Curled dock	1.4	0.2	12.5	< 0.1	0.9	2.2	0.6
31	Yellow sweet-clover	0.9	0.2	23.8	< 0.1	2.8	8.4	0.6
32	Quack grass	1.1	0.1	10.0	< 0.1	2.8	11.4	0.5
33	Annual sow-thistle	1.4	0.1	9.2	< 0.1	0.6	1.4	0.5
34	Narrow-leaved hawk's-beard	0.7	0.2	23.3	< 0.1	4.1	9.4	0.5
35	Barley	0.9	0.2	17.5	< 0.1	1.2	4.0	0.4
36	Canary grass	0.9	0.1	13.8	< 0.1	1.3	3.0	0.4
37	Field horsetail	0.9	0.1	11.3	< 0.1	1.9	4.8	0.4
38	American vetch	0.7	0.1	15.0	< 0.1	1.2	2.6	0.3
39	Absinth	0.5	0.1	25.0	< 0.1	3.3	6.4	0.3
40	Cow cockle	0.7	0.1	13.3	< 0.1	0.9	2.2	0.3
41	Persian darnel	0.7	0.1	8.3	< 0.1	1.2	3.0	0.3
42	Prostrate pigweed	0.7	< 0.1	5.0	< 0.1	0.4	0.8	0.2
43	Cocklebur	0.2	0.1	45.0	< 0.1	4.4	4.4	0.2
44	Yellow foxtail	0.2	0.1	30.0	< 0.1	7.8	7.8	0.2
45	Rose species	0.5	< 0.1	10.0	< 0.1	1.6	2.6	0.2
46	White cockle	0.5	0.1	12.5	< 0.1	0.5	0.6	0.2
47	Goat's-beard	0.5	< 0.1	10.0	< 0.1	0.4	0.4	0.2
48	Field peas	0.5	< 0.1	7.5	< 0.1	0.9	1.6	0.2
49	Smooth brome	0.2	0.1	30.0	< 0.1	3.6	3.6	0.2
50	Canada fleabane	0.5	< 0.1	7.5	< 0.1	0.6	0.8	0.2
51	White clover	0.5	< 0.1	7.5	< 0.1	0.5	0.6	0.2
52	Spear-leaved goosefoot	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1

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Table 178. All fields in the South East Extension Region (444 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Common pepper-grass	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
54	Sunflower	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
55	Field bindweed	0.2	< 0.1	15.0	< 0.1	1.4	1.4	0.1
56	Unknown broad-leaved species	0.2	< 0.1	5.0	< 0.1	1.0	1.0	0.1
57	Purslane speedwell	0.2	< 0.1	5.0	< 0.1	0.6	0.6	0.1
58	Scentless chamomile	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
59	Chickweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
60	Prostrate knotweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1
61	Corn spurry	0.2	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 179. Cereal fields in the South East Extension Region (276 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	58.7	25.5	43.5	15.0	25.6	254.2	99.2
2	Wild buckwheat	43.5	8.6	19.8	0.7	1.7	21.2	23.4
3	Canada thistle	38.8	8.2	21.1	1.0	2.5	29.2	22.5
4	Wild oats	27.9	7.8	28.1	1.2	4.1	33.6	20.1
5	Barnyard grass	27.2	5.7	20.9	1.7	6.2	227.8	19.5
6	Redroot pigweed	23.2	5.1	21.9	1.3	5.7	179.2	16.5
7	Flax	12.0	4.8	40.3	1.1	9.2	49.6	12.5
8	Kochia	18.5	3.6	19.4	0.6	3.0	40.0	10.8
9	Lamb's-quarters	10.1	3.5	34.5	0.6	6.1	38.8	8.7
10	Flixweed	5.4	1.2	22.0	1.1	20.7	141.0	6.9
11	Dandelion	13.0	2.2	16.5	0.2	1.7	21.8	6.5
12	Stinkweed	11.2	1.7	15.3	0.2	2.1	31.0	5.7
13	Spring wheat/durum	5.4	2.1	39.0	0.5	9.4	55.4	5.6
14	Bluebur	8.0	1.8	22.0	0.4	5.4	43.8	5.6
15	Russian thistle	9.4	1.2	13.1	0.2	1.7	8.0	4.4
16	Wild mustard	9.1	1.2	12.8	0.1	0.9	2.8	3.9
17	Perennial sow-thistle	9.4	0.8	8.5	0.1	0.5	2.0	3.5
18	Foxtail barley	8.0	0.7	8.9	0.1	0.9	4.2	3.1
19	Round-leaved mallow	6.5	0.8	11.7	0.1	1.0	6.6	2.8
20	Biennial wormwood	4.3	0.5	12.5	0.1	1.4	5.6	1.9
21	Thyme-leaved spurge	4.3	0.5	11.7	< 0.1	0.8	5.6	1.8
22	Night-flowering catchfly	2.5	0.5	19.3	0.1	2.6	12.0	1.4
23	Shepherd's-purse	3.3	0.3	10.6	< 0.1	0.8	3.6	1.3
24	Cleavers	1.4	0.4	30.0	0.1	4.0	9.6	1.1
25	Canola (Argentine)	1.4	0.4	30.0	0.1	3.6	10.0	1.0
26	Black medick	1.4	0.5	32.5	< 0.1	2.5	4.2	1.0
27	Annual sow-thistle	2.2	0.2	9.2	< 0.1	0.6	1.4	0.8
28	Yellow sweet-clover	0.7	0.3	42.5	< 0.1	5.2	8.4	0.7
29	Barley	1.1	0.2	21.7	< 0.1	1.5	4.0	0.6
30	Pale smartweed	1.4	0.1	10.0	< 0.1	0.8	1.6	0.6
31	Narrow-leaved hawk's-beard	0.7	0.2	27.5	< 0.1	5.4	9.4	0.6
32	Canary grass	1.1	0.2	15.0	< 0.1	1.5	3.0	0.5
33	Spiny annual sow-thistle	1.4	0.1	7.5	< 0.1	0.4	0.8	0.5
34	Prickly lettuce	1.4	0.1	7.5	< 0.1	0.3	0.4	0.5
35	Curled dock	1.1	0.2	15.0	< 0.1	1.2	2.2	0.5
36	Absinth	0.7	0.2	25.0	< 0.1	3.3	6.4	0.5
37	Cow cockle	0.7	0.1	17.5	< 0.1	1.2	2.2	0.4
38	Yellow foxtail	0.4	0.1	30.0	< 0.1	7.8	7.8	0.3
39	White cockle	0.7	0.1	12.5	< 0.1	0.5	0.6	0.3
40	Quack grass	0.7	< 0.1	5.0	< 0.1	0.9	1.2	0.3
41	Prostrate pigweed	0.7	< 0.1	5.0	< 0.1	0.5	0.8	0.2
42	American vetch	0.7	< 0.1	5.0	< 0.1	0.5	0.8	0.2
43	Persian darnel	0.7	< 0.1	5.0	< 0.1	0.3	0.4	0.2
44	Field bindweed	0.4	0.1	15.0	< 0.1	1.4	1.4	0.2
45	White clover	0.4	< 0.1	10.0	< 0.1	0.6	0.6	0.1
46	Goat's-beard	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
47	Unknown broad-leaved species	0.4	< 0.1	5.0	< 0.1	1.0	1.0	0.1
48	Canada fleabane	0.4	< 0.1	5.0	< 0.1	0.8	0.8	0.1
49	Rose species	0.4	< 0.1	5.0	< 0.1	0.6	0.6	0.1
50	Spear-leaved goosefoot	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
51	Scentless chamomile	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
52	Chickweed	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

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Table 179. Cereal fields in the South East Extension Region (276 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Common pepper-grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
54	Corn spurry	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
55	Sunflower	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 180. Spring wheat fields in the South East Extension Region (115 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	64.3	29.1	45.2	16.6	25.8	254.2	110.9
2	Wild buckwheat	49.6	10.1	20.4	0.9	1.8	11.8	27.6
3	Wild oats	26.1	7.3	28.0	1.2	4.6	33.6	19.5
4	Canada thistle	33.9	6.3	18.5	0.7	2.0	12.4	18.4
5	Flax	13.0	6.1	46.7	1.7	13.3	49.6	16.6
6	Barnyard grass	28.7	4.7	16.2	0.7	2.4	30.2	15.4
7	Redroot pigweed	25.2	5.0	19.7	0.6	2.4	15.8	14.5
8	Lamb's-quarters	10.4	3.9	37.1	1.0	9.3	38.8	10.6
9	Kochia	16.5	3.1	18.9	0.5	2.8	22.2	9.6
10	Flixweed	4.3	0.8	18.0	1.2	28.6	141.0	6.7
11	Stinkweed	9.6	1.8	18.6	0.4	3.8	31.0	5.8
12	Russian thistle	7.8	1.7	21.1	0.1	1.9	7.0	4.5
13	Dandelion	9.6	1.3	14.1	0.1	0.9	2.4	4.4
14	Bluebur	5.2	1.3	25.0	0.3	5.3	20.6	3.8
15	Perennial sow-thistle	10.4	0.7	6.7	< 0.1	0.4	0.8	3.7
16	Round-leaved mallow	6.1	1.0	16.4	0.1	1.7	6.6	3.1
17	Wild mustard	7.0	0.5	7.5	< 0.1	0.5	1.4	2.5
18	Foxtail barley	7.0	0.5	6.9	< 0.1	0.6	2.2	2.5
19	Spring wheat/durum	2.6	0.9	35.0	0.1	3.3	9.4	2.0
20	Thyme-leaved spurge	3.5	0.7	21.3	0.1	1.8	5.6	2.0
21	Night-flowering catchfly	2.6	0.7	25.0	0.1	4.5	12.0	1.8
22	Black medick	2.6	0.8	31.7	0.1	2.2	4.2	1.8
23	Shepherd's-purse	5.2	0.3	5.0	< 0.1	0.3	0.4	1.7
24	Curled dock	2.6	0.4	15.0	< 0.1	1.2	2.2	1.2
25	Yellow sweet-clover	0.9	0.5	60.0	0.1	8.4	8.4	1.1
26	Canola (Argentine)	0.9	0.4	50.0	0.1	10.0	10.0	1.0
27	Spiny annual sow-thistle	1.7	0.2	10.0	< 0.1	0.6	0.8	0.7
28	Canary grass	1.7	0.1	7.5	< 0.1	0.8	1.0	0.7
29	Quack grass	1.7	0.1	5.0	< 0.1	0.9	1.2	0.6
30	Pale smartweed	0.9	0.1	15.0	< 0.1	1.6	1.6	0.4
31	Field bindweed	0.9	0.1	15.0	< 0.1	1.4	1.4	0.4
32	White cockle	0.9	0.1	15.0	< 0.1	0.6	0.6	0.4
33	Narrow-leaved hawk's-beard	0.9	0.1	10.0	< 0.1	1.4	1.4	0.4
34	Prickly lettuce	0.9	0.1	10.0	< 0.1	0.4	0.4	0.3
35	Annual sow-thistle	0.9	0.1	10.0	< 0.1	0.4	0.4	0.3
36	Spear-leaved goosefoot	0.9	< 0.1	5.0	< 0.1	0.4	0.4	0.3
37	Absinth	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
38	Scentless chamomile	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
39	Cleavers	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
40	Cow cockle	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
41	Persian darnel	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
42	Common pepper-grass	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
43	Corn spurry	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
44	Sunflower	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3
45	Barley	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.3

Table 181. Barley fields in the South East Extension Region (49 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	42.9	18.6	43.3	9.7	22.6	139.8	67.7
2	Barnyard grass	22.4	7.3	32.7	5.5	24.3	227.8	34.4
3	Canada thistle	40.8	12.6	30.8	1.8	4.4	29.2	30.7
4	Wild buckwheat	40.8	8.7	21.3	1.0	2.4	21.2	23.4
5	Wild oats	30.6	6.4	21.0	1.0	3.3	14.8	18.5
6	Flax	12.2	7.1	58.3	1.4	11.5	19.6	16.1
7	Spring wheat/durum	10.2	4.4	43.0	1.6	15.5	55.4	13.3
8	Bluebur	14.3	3.6	25.0	1.3	9.1	43.8	12.4
9	Kochia	14.3	2.9	20.0	0.3	1.8	6.2	7.7
10	Redroot pigweed	14.3	1.9	13.6	0.2	1.6	5.2	6.6
11	Flixweed	8.2	1.8	22.5	0.6	7.8	28.4	6.5
12	Dandelion	14.3	1.7	12.1	0.1	0.9	3.8	6.0
13	Perennial sow-thistle	14.3	1.4	10.0	0.1	0.5	2.0	5.5
14	Foxtail barley	10.2	1.1	11.0	0.2	1.9	4.2	4.5
15	Wild mustard	8.2	1.5	18.8	0.1	1.3	2.8	4.1
16	Russian thistle	12.2	0.7	5.8	0.1	0.4	1.6	4.1
17	Lamb's-quarters	8.2	1.5	18.8	0.1	1.2	3.2	4.1
18	Stinkweed	10.2	1.1	11.0	0.1	0.6	2.2	4.0
19	Biennial wormwood	8.2	1.1	13.8	0.1	1.6	5.4	3.8
20	Round-leaved mallow	8.2	0.6	7.5	< 0.1	0.4	0.8	2.8
21	Night-flowering catchfly	6.1	0.8	13.3	0.1	1.1	2.6	2.7
22	Shepherd's-purse	4.1	1.0	25.0	0.1	2.3	3.6	2.5
23	Annual sow-thistle	6.1	0.6	10.0	< 0.1	0.8	1.4	2.4
24	Narrow-leaved hawk's-beard	2.0	0.9	45.0	0.2	9.4	9.4	2.2
25	Absinth	2.0	0.9	45.0	0.1	6.4	6.4	2.0
26	Yellow foxtail	2.0	0.6	30.0	0.2	7.8	7.8	1.8
27	Black medick	2.0	0.7	35.0	0.1	3.2	3.2	1.5
28	Thyme-leaved spurge	4.1	0.3	7.5	< 0.1	0.4	0.6	1.4
29	American vetch	4.1	0.2	5.0	< 0.1	0.5	0.8	1.3
30	Yellow sweet-clover	2.0	0.5	25.0	< 0.1	2.0	2.0	1.2
31	Cleavers	2.0	0.4	20.0	< 0.1	2.2	2.2	1.1
32	Pale smartweed	2.0	0.2	10.0	< 0.1	0.8	0.8	0.8
33	White cockle	2.0	0.2	10.0	< 0.1	0.4	0.4	0.8
34	Goat's-beard	2.0	0.2	10.0	< 0.1	0.4	0.4	0.8
35	Prostrate pigweed	2.0	0.1	5.0	< 0.1	0.8	0.8	0.7
36	Persian darnel	2.0	0.1	5.0	< 0.1	0.4	0.4	0.7

Table 182. Durum fields in the South East Extension Region (60 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	58.3	20.2	34.6	8.4	14.3	88.4	108.9
2	Wild oats	40.0	14.4	36.0	1.9	4.8	14.0	48.1
3	Kochia	23.3	5.1	21.8	1.1	4.8	40.0	23.0
4	Canada thistle	35.0	5.5	15.7	0.5	1.4	5.4	22.7
5	Wild buckwheat	26.7	3.8	14.4	0.3	1.0	4.8	15.9
6	Barnyard grass	26.7	3.5	13.1	0.3	1.2	2.6	15.8
7	Redroot pigweed	16.7	2.6	15.5	0.4	2.3	9.0	11.9
8	Flax	11.7	2.2	18.6	0.2	1.9	5.8	8.5
9	Wild mustard	6.7	1.2	17.5	0.1	1.2	2.0	4.4
10	Dandelion	10.0	0.7	6.7	< 0.1	0.3	1.0	4.3
11	Foxtail barley	8.3	0.9	11.0	0.1	0.6	1.2	4.3
12	Stinkweed	8.3	0.5	6.0	0.1	0.8	1.8	3.8
13	Russian thistle	8.3	0.5	6.0	< 0.1	0.4	0.8	3.6
14	Round-leaved mallow	6.7	0.6	8.8	0.1	1.0	2.8	3.4
15	Cleavers	1.7	1.1	65.0	0.2	9.6	9.6	3.3
16	Bluebur	5.0	0.6	11.7	0.1	2.3	6.4	3.3
17	Thyme-leaved spurge	6.7	0.5	7.5	< 0.1	0.3	0.4	3.0
18	Flixweed	5.0	0.7	13.3	< 0.1	0.8	1.4	2.8
19	Biennial wormwood	3.3	0.5	15.0	0.1	2.9	5.6	2.5
20	Lamb's-quarters	5.0	0.3	5.0	< 0.1	0.2	0.2	2.0
21	Canola (Argentine)	1.7	0.2	10.0	< 0.1	0.8	0.8	0.9
22	Prickly lettuce	1.7	0.2	10.0	< 0.1	0.4	0.4	0.8
23	Spring wheat/durum	1.7	0.2	10.0	< 0.1	0.4	0.4	0.8
24	Canada fleabane	1.7	0.1	5.0	< 0.1	0.8	0.8	0.7
25	Spiny annual sow-thistle	1.7	0.1	5.0	< 0.1	0.2	0.2	0.7
26	Barley	1.7	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 183. Oat fields in the South East Extension Region (34 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	70.6	37.6	53.3	33.2	47.0	203.4	107.3
2	Canada thistle	61.8	14.4	23.3	1.8	2.8	16.4	25.9
3	Wild buckwheat	61.8	12.9	21.0	0.9	1.5	6.4	23.2
4	Barnyard grass	41.2	11.5	27.9	2.4	5.9	38.0	21.2
5	Lamb's-quarters	23.5	10.7	45.6	1.3	5.5	17.6	14.9
6	Dandelion	23.5	6.6	28.1	1.1	4.5	21.8	11.5
7	Flixweed	5.9	3.1	52.5	3.9	66.7	133.2	11.2
8	Redroot pigweed	26.5	6.2	23.3	0.6	2.1	6.0	10.7
9	Spring wheat/durum	11.8	5.7	48.8	1.4	11.8	31.8	9.2
10	Kochia	17.6	4.6	25.8	0.5	2.8	7.6	7.7
11	Wild mustard	23.5	3.1	13.1	0.2	1.0	2.6	7.3
12	Stinkweed	17.6	4.0	22.5	0.4	2.4	9.2	7.1
13	Bluebur	17.6	3.7	20.8	0.5	2.8	9.2	7.1
14	Russian thistle	17.6	2.5	14.2	0.7	3.7	8.0	6.6
15	Flax	11.8	2.9	25.0	0.3	2.3	6.2	5.0
16	Biennial wormwood	11.8	1.6	13.8	0.1	1.1	3.2	3.7
17	Perennial sow-thistle	8.8	1.2	13.3	0.1	1.1	1.6	2.8
18	Round-leaved mallow	8.8	0.9	10.0	0.1	0.6	1.2	2.5
19	Barley	2.9	1.6	55.0	0.1	4.0	4.0	2.0
20	Cleavers	2.9	0.9	30.0	0.1	3.8	3.8	1.4
21	Foxtail barley	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
22	Thyme-leaved spurge	5.9	0.3	5.0	< 0.1	0.2	0.2	1.4
23	Canary grass	2.9	0.9	30.0	0.1	3.0	3.0	1.4
24	Cow cockle	2.9	0.9	30.0	0.1	2.2	2.2	1.3
25	Night-flowering catchfly	2.9	0.6	20.0	< 0.1	1.2	1.2	1.1
26	White clover	2.9	0.3	10.0	< 0.1	0.6	0.6	0.8
27	Wild oats	2.9	0.3	10.0	< 0.1	0.4	0.4	0.8
28	Annual sow-thistle	2.9	0.3	10.0	< 0.1	0.4	0.4	0.8
29	Unknown broad-leaved species	2.9	0.1	5.0	< 0.1	1.0	1.0	0.7
30	Rose species	2.9	0.1	5.0	< 0.1	0.6	0.6	0.7
31	Chickweed	2.9	0.1	5.0	< 0.1	0.2	0.2	0.7
32	Spiny annual sow-thistle	2.9	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 184. Canary seed fields in the South East Extension Region (18 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Redroot pigweed	50.0	20.6	41.1	13.3	26.7	179.2	86.8
2	Green foxtail	44.4	16.9	38.1	7.2	16.3	73.2	57.7
3	Wild oats	38.9	7.5	19.3	0.8	2.1	7.6	21.0
4	Wild buckwheat	33.3	6.4	19.2	0.4	1.2	2.0	16.8
5	Canada thistle	33.3	5.8	17.5	0.5	1.5	4.2	16.6
6	Dandelion	22.2	5.0	22.5	0.3	1.6	2.0	12.3
7	Kochia	27.8	1.7	6.0	0.2	0.8	1.6	9.5
8	Stinkweed	22.2	2.8	12.5	0.1	0.7	1.8	9.1
9	Barnyard grass	5.6	3.9	70.0	0.7	13.2	13.2	8.5
10	Spring wheat/durum	11.1	3.3	30.0	0.4	3.3	3.4	7.8
11	Perennial sow-thistle	22.2	1.7	7.5	0.1	0.5	1.0	7.7
12	Lamb's-quarters	5.6	3.6	65.0	0.5	8.6	8.6	7.2
13	Canola (Argentine)	11.1	3.3	30.0	0.2	1.8	3.4	7.2
14	Flax	5.6	2.8	50.0	0.7	12.0	12.0	7.0
15	Foxtail barley	11.1	1.1	10.0	0.1	0.5	0.6	4.2
16	Pale smartweed	11.1	0.8	7.5	< 0.1	0.3	0.4	3.8
17	Biennial wormwood	11.1	0.6	5.0	< 0.1	0.3	0.4	3.5
18	Prickly lettuce	11.1	0.6	5.0	< 0.1	0.2	0.2	3.4
19	Shepherd's-purse	5.6	0.8	15.0	0.1	1.0	1.0	2.5
20	Wild mustard	5.6	0.6	10.0	< 0.1	0.4	0.4	2.1
21	Annual sow-thistle	5.6	0.3	5.0	< 0.1	0.6	0.6	1.8
22	Flixweed	5.6	0.3	5.0	< 0.1	0.2	0.2	1.7
23	Prostrate pigweed	5.6	0.3	5.0	< 0.1	0.2	0.2	1.7

Table 185. Oilseed fields in the South East Extension Region (119 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	55.5	22.6	40.8	9.4	16.9	232.2	87.4
2	Wild oats	26.9	9.5	35.5	2.1	7.8	59.2	28.1
3	Wild buckwheat	48.7	10.0	20.6	0.7	1.5	5.8	27.1
4	Spring wheat/durum	24.4	6.1	24.8	1.7	7.1	95.0	21.7
5	Redroot pigweed	28.6	4.7	16.6	0.7	2.6	27.6	16.1
6	Barnyard grass	28.6	4.1	14.4	0.4	1.5	10.0	13.8
7	Canada thistle	27.7	4.1	14.8	0.4	1.5	13.8	13.6
8	Kochia	21.0	4.1	19.4	0.6	2.9	36.2	12.9
9	Lamb's-quarters	15.1	3.0	20.0	0.7	4.5	56.2	10.6
10	Stinkweed	19.3	3.2	16.7	0.4	2.1	16.4	10.4
11	Wild mustard	11.8	3.9	33.6	0.5	4.2	20.8	9.9
12	Russian thistle	10.9	2.1	18.8	0.3	2.9	11.6	6.6
13	Flax	5.0	1.9	38.3	0.3	6.6	18.4	5.1
14	Dandelion	11.8	1.0	8.6	0.1	0.5	1.8	4.3
15	Round-leaved mallow	6.7	1.3	19.4	0.1	2.1	8.4	3.8
16	Shepherd's-purse	6.7	1.1	16.3	0.2	2.6	12.4	3.8
17	Flixweed	7.6	0.8	11.1	0.1	0.7	2.6	3.1
18	Bluebur	7.6	0.7	8.9	0.1	0.7	3.6	2.9
19	Thyme-leaved spurge	5.0	0.7	14.2	0.1	1.1	3.0	2.3
20	Perennial sow-thistle	6.7	0.4	6.3	< 0.1	0.5	1.0	2.3
21	Biennial wormwood	5.9	0.6	10.0	< 0.1	0.5	1.2	2.3
22	Night-flowering catchfly	3.4	0.5	16.3	0.1	1.6	3.8	1.7
23	Field horsetail	3.4	0.4	11.3	0.1	1.9	4.8	1.6
24	Pale smartweed	3.4	0.4	12.5	< 0.1	1.2	2.2	1.5
25	Prickly lettuce	1.7	0.3	17.5	< 0.1	1.6	1.8	0.9
26	Cocklebur	0.8	0.4	45.0	< 0.1	4.4	4.4	0.8
27	American vetch	0.8	0.3	35.0	< 0.1	2.6	2.6	0.6
28	Field peas	1.7	0.1	7.5	< 0.1	0.9	1.6	0.6
29	Foxtail barley	0.8	0.3	30.0	< 0.1	2.6	2.6	0.6
30	Yellow sweet-clover	1.7	0.1	5.0	< 0.1	0.3	0.4	0.5
31	Rose species	0.8	0.1	15.0	< 0.1	2.6	2.6	0.5
32	Narrow-leaved hawk's-beard	0.8	0.1	15.0	< 0.1	1.6	1.6	0.4
33	Cleavers	0.8	0.1	15.0	< 0.1	0.8	0.8	0.4
34	White clover	0.8	< 0.1	5.0	< 0.1	0.4	0.4	0.3
35	Prostrate knotweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
36	Prostrate pigweed	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
37	Spiny annual sow-thistle	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
38	Sunflower	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
39	Barley	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3
40	Canola (Argentine)	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.3

Table 186. Canola fields in the South East Extension Region (58 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	55.2	22.7	41.1	9.8	17.7	232.2	96.7
2	Wild buckwheat	50.0	9.6	19.1	0.7	1.5	5.6	28.4
3	Wild oats	19.0	7.5	39.5	2.0	10.3	51.6	25.0
4	Lamb's-quarters	19.0	4.6	24.1	1.2	6.5	56.2	17.3
5	Spring wheat/durum	24.1	4.1	17.1	0.6	2.3	15.2	14.2
6	Barnyard grass	27.6	3.4	12.2	0.4	1.6	10.0	13.4
7	Stinkweed	19.0	3.8	20.0	0.6	2.9	16.4	12.5
8	Kochia	19.0	3.8	20.0	0.4	1.9	5.8	11.5
9	Redroot pigweed	22.4	3.1	13.8	0.3	1.3	5.4	11.0
10	Canada thistle	25.9	2.4	9.3	0.2	0.7	1.6	10.4
11	Round-leaved mallow	12.1	2.3	19.3	0.3	2.1	8.4	7.3
12	Flax	6.9	2.2	32.5	0.4	5.3	11.6	6.5
13	Wild mustard	6.9	2.4	35.0	0.3	4.4	8.6	6.4
14	Russian thistle	12.1	1.3	10.7	0.1	0.7	1.6	5.1
15	Dandelion	13.8	1.0	7.5	0.1	0.4	1.0	5.0
16	Shepherd's-purse	8.6	1.0	12.0	0.1	0.7	1.6	3.7
17	Flixweed	8.6	1.0	12.0	0.1	0.6	1.4	3.7
18	Thyme-leaved spurge	6.9	1.0	15.0	0.1	1.2	3.0	3.5
19	Field horsetail	5.2	0.6	11.7	0.1	2.2	4.8	2.7
20	Perennial sow-thistle	5.2	0.3	6.7	< 0.1	0.5	0.8	1.8
21	Biennial wormwood	5.2	0.3	6.7	< 0.1	0.3	0.6	1.8
22	Bluebur	5.2	0.3	5.0	< 0.1	0.2	0.2	1.7
23	American vetch	1.7	0.6	35.0	< 0.1	2.6	2.6	1.4
24	Field peas	3.4	0.3	7.5	< 0.1	0.9	1.6	1.4
25	Night-flowering catchfly	3.4	0.2	5.0	< 0.1	0.6	1.0	1.2
26	Rose species	1.7	0.3	15.0	< 0.1	2.6	2.6	1.0
27	Narrow-leaved hawk's-beard	1.7	0.3	15.0	< 0.1	1.6	1.6	0.9
28	Prickly lettuce	1.7	0.3	15.0	< 0.1	1.4	1.4	0.9
29	Pale smartweed	1.7	0.2	10.0	< 0.1	0.8	0.8	0.7
30	White clover	1.7	0.1	5.0	< 0.1	0.4	0.4	0.6
31	Yellow sweet-clover	1.7	0.1	5.0	< 0.1	0.4	0.4	0.6
32	Prostrate knotweed	1.7	0.1	5.0	< 0.1	0.2	0.2	0.6
33	Spiny annual sow-thistle	1.7	0.1	5.0	< 0.1	0.2	0.2	0.6
34	Barley	1.7	0.1	5.0	< 0.1	0.2	0.2	0.6



Table 187. Flax fields in the South East Extension Region (50 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	56.0	22.6	40.4	8.7	15.6	139.0	80.0
2	Wild oats	34.0	11.7	34.4	2.4	7.2	59.2	32.8
3	Spring wheat/durum	24.0	8.6	35.8	3.4	14.1	95.0	31.5
4	Wild buckwheat	48.0	10.8	22.5	0.8	1.6	5.8	27.5
5	Redroot pigweed	38.0	7.2	18.9	1.3	3.5	27.6	23.7
6	Wild mustard	20.0	6.6	33.0	0.8	4.2	20.8	16.1
7	Barnyard grass	28.0	5.0	17.9	0.4	1.5	4.0	14.5
8	Canada thistle	26.0	4.3	16.5	0.5	2.0	13.8	13.8
9	Kochia	20.0	4.1	20.5	0.9	4.4	36.2	13.7
10	Russian thistle	8.0	2.2	27.5	0.4	5.3	11.6	6.4
11	Lamb's-quarters	12.0	1.5	12.5	0.2	1.4	6.8	5.5
12	Stinkweed	12.0	1.2	10.0	0.1	0.7	2.2	4.8
13	Bluebur	10.0	1.1	11.0	0.1	1.1	3.6	4.3
14	Shepherd's-purse	4.0	1.2	30.0	0.3	8.2	12.4	3.9
15	Pale smartweed	6.0	0.8	13.3	0.1	1.3	2.2	2.8
16	Night-flowering catchfly	4.0	1.1	27.5	0.1	2.5	3.8	2.7
17	Flixweed	6.0	0.7	11.7	0.1	1.0	2.6	2.6
18	Dandelion	6.0	0.7	11.7	0.1	0.9	1.8	2.5
19	Cocklebur	2.0	0.9	45.0	0.1	4.4	4.4	1.9
20	Thyme-leaved spurge	4.0	0.5	12.5	< 0.1	0.9	1.6	1.7
21	Perennial sow-thistle	4.0	0.3	7.5	< 0.1	0.6	1.0	1.5
22	Prickly lettuce	2.0	0.4	20.0	< 0.1	1.8	1.8	1.1
23	Round-leaved mallow	2.0	0.4	20.0	< 0.1	1.6	1.6	1.1
24	Biennial wormwood	2.0	0.3	15.0	< 0.1	0.6	0.6	0.9
25	Field horsetail	2.0	0.2	10.0	< 0.1	0.8	0.8	0.8
26	Prostrate pigweed	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
27	Flax	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
28	Canola (Argentine)	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 188. Mustard fields in the South East Extension Region (11 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	54.5	22.7	41.7	10.0	18.4	76.8	81.9
2	Canada thistle	45.5	12.3	27.0	1.2	2.7	5.4	25.9
3	Stinkweed	54.5	9.5	17.5	1.0	1.9	7.2	24.1
4	Wild oats	36.4	10.5	28.8	1.1	3.1	9.0	21.9
5	Wild buckwheat	45.5	9.1	20.0	0.7	1.5	5.6	20.2
6	Flax	9.1	8.6	95.0	1.7	18.4	18.4	18.0
7	Kochia	36.4	5.5	15.0	0.7	1.9	6.2	15.2
8	Russian thistle	18.2	5.5	30.0	1.1	5.9	11.6	13.8
9	Barnyard grass	36.4	4.1	11.3	0.4	1.1	2.0	12.4
10	Spring wheat/durum	27.3	4.5	16.7	0.3	1.2	2.4	10.9
11	Biennial wormwood	27.3	3.2	11.7	0.2	0.7	1.2	8.9
12	Redroot pigweed	18.2	2.3	12.5	0.5	2.5	4.8	7.8
13	Dandelion	27.3	2.3	8.3	0.1	0.3	0.4	7.6
14	Perennial sow-thistle	27.3	1.4	5.0	0.1	0.3	0.4	6.8
15	Foxtail barley	9.1	2.7	30.0	0.2	2.6	2.6	5.4
16	Lamb's-quarters	9.1	1.8	20.0	0.1	0.8	0.8	3.7
17	Cleavers	9.1	1.4	15.0	0.1	0.8	0.8	3.3
18	Shepherd's-purse	9.1	0.9	10.0	0.1	0.8	0.8	2.9
19	Bluebur	9.1	0.9	10.0	< 0.1	0.4	0.4	2.7
20	Flixweed	9.1	0.5	5.0	< 0.1	0.2	0.2	2.2
21	Sunflower	9.1	0.5	5.0	< 0.1	0.2	0.2	2.2
22	Yellow sweet-clover	9.1	0.5	5.0	< 0.1	0.2	0.2	2.2

Table 189. Pulse fields in the South East Extension Region (49 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	34.7	11.9	34.4	4.9	14.2	69.2	62.4
2	Wild oats	38.8	12.7	32.6	2.2	5.7	24.4	42.9
3	Wild buckwheat	46.9	7.1	15.2	0.5	1.1	8.8	24.5
4	Canada thistle	38.8	5.3	13.7	0.5	1.2	4.8	19.6
5	Spring wheat/durum	20.4	4.7	23.0	0.6	2.9	10.2	15.6
6	Redroot pigweed	18.4	4.2	22.8	0.7	3.7	19.4	15.1
7	Flax	8.2	3.9	47.5	0.9	10.6	18.4	13.8
8	Barnyard grass	20.4	3.9	19.0	0.5	2.3	6.4	13.6
9	Kochia	22.4	3.0	13.2	0.2	0.9	2.2	10.7
10	Wild mustard	20.4	1.8	9.0	0.1	0.5	2.0	7.9
11	Lamb's-quarters	14.3	2.0	14.3	0.2	1.2	3.8	7.3
12	Perennial sow-thistle	14.3	1.4	10.0	0.2	1.5	8.6	6.9
13	Thyme-leaved spurge	16.3	1.2	7.5	0.1	0.4	0.8	5.9
14	Biennial wormwood	12.2	1.1	9.2	0.1	0.7	2.4	5.0
15	Dandelion	8.2	1.7	21.3	0.1	1.2	3.4	4.9
16	Quack grass	6.1	0.8	13.3	0.2	4.1	11.4	4.5
17	Stinkweed	8.2	0.8	10.0	0.2	2.1	3.2	4.3
18	Prickly lettuce	10.2	0.6	6.0	< 0.1	0.3	0.6	3.4
19	Canola (Argentine)	8.2	0.9	11.3	< 0.1	0.5	1.0	3.4
20	Round-leaved mallow	6.1	1.1	18.3	< 0.1	0.8	1.4	3.3
21	Flixweed	4.1	1.0	25.0	0.1	2.2	3.4	3.0
22	Foxtail barley	8.2	0.5	6.3	< 0.1	0.6	1.6	3.0
23	Spiny annual sow-thistle	6.1	0.6	10.0	0.1	1.1	2.8	2.7
24	Curled dock	6.1	0.6	10.0	< 0.1	0.6	1.0	2.5
25	Bluebur	4.1	0.7	17.5	0.1	1.7	3.0	2.4
26	Smooth brome	2.0	0.6	30.0	0.1	3.6	3.6	1.9
27	Persian darnel	2.0	0.3	15.0	0.1	3.0	3.0	1.4
28	Black medick	4.1	0.2	5.0	< 0.1	0.2	0.2	1.3
29	Pale smartweed	2.0	0.3	15.0	< 0.1	1.8	1.8	1.2
30	Canary grass	2.0	0.2	10.0	< 0.1	0.6	0.6	0.8
31	Canada fleabane	2.0	0.2	10.0	< 0.1	0.4	0.4	0.8
32	Goat's-beard	2.0	0.2	10.0	< 0.1	0.4	0.4	0.8
33	Purslane speedwell	2.0	0.1	5.0	< 0.1	0.6	0.6	0.7
34	Spear-leaved goosefoot	2.0	0.1	5.0	< 0.1	0.4	0.4	0.7
35	Cow cockle	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
36	Common pepper-grass	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6
37	Russian thistle	2.0	0.1	5.0	< 0.1	0.2	0.2	0.6

Table 190. Pea fields in the South East Extension Region (23 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	47.8	22.6	47.3	10.1	21.0	69.2	85.2
2	Wild oats	34.8	14.8	42.5	3.0	8.7	24.4	38.5
3	Wild buckwheat	56.5	8.9	15.8	0.8	1.4	8.8	25.9
4	Spring wheat/durum	26.1	8.0	30.8	1.1	4.1	10.2	19.7
5	Canada thistle	34.8	6.3	18.1	0.6	1.7	4.8	17.3
6	Barnyard grass	26.1	4.1	15.8	0.4	1.6	6.0	12.2
7	Perennial sow-thistle	26.1	2.8	10.8	0.5	1.7	8.6	11.0
8	Biennial wormwood	26.1	2.4	9.2	0.2	0.7	2.4	9.2
9	Lamb's-quarters	17.4	3.5	20.0	0.3	1.9	3.8	9.1
10	Flax	8.7	2.4	27.5	0.8	9.3	18.4	8.5
11	Quack grass	8.7	1.5	17.5	0.5	6.0	11.4	6.2
12	Kochia	17.4	1.5	8.8	0.1	0.7	1.4	6.0
13	Round-leaved mallow	13.0	2.4	18.3	0.1	0.8	1.4	5.9
14	Stinkweed	13.0	1.5	11.7	0.2	1.7	3.0	5.6
15	Spiny annual sow-thistle	13.0	1.3	10.0	0.1	1.1	2.8	4.9
16	Bluebur	8.7	1.5	17.5	0.1	1.7	3.0	4.3
17	Foxtail barley	13.0	0.9	6.7	0.1	0.7	1.6	4.3
18	Wild mustard	8.7	1.3	15.0	0.1	1.1	2.0	3.8
19	Smooth brome	4.3	1.3	30.0	0.2	3.6	3.6	3.1
20	Dandelion	8.7	0.9	10.0	< 0.1	0.4	0.6	3.0
21	Persian darnel	4.3	0.7	15.0	0.1	3.0	3.0	2.3
22	Flixweed	4.3	0.9	20.0	< 0.1	1.0	1.0	2.1
23	Canola (Argentine)	4.3	0.9	20.0	< 0.1	1.0	1.0	2.1
24	Pale smartweed	4.3	0.7	15.0	0.1	1.8	1.8	2.0
25	Curled dock	4.3	0.4	10.0	< 0.1	0.6	0.6	1.5
26	Spear-leaved goosefoot	4.3	0.2	5.0	< 0.1	0.4	0.4	1.3
27	Cow cockle	4.3	0.2	5.0	< 0.1	0.2	0.2	1.2
28	Black medick	4.3	0.2	5.0	< 0.1	0.2	0.2	1.2
29	Redroot pigweed	4.3	0.2	5.0	< 0.1	0.2	0.2	1.2
30	Thyme-leaved spurge	4.3	0.2	5.0	< 0.1	0.2	0.2	1.2

Table 191. Lentil fields in the South East Extension Region (22 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	45.5	11.6	25.5	1.7	3.7	16.0	55.6
2	Flax	9.1	6.1	67.5	1.1	11.9	14.0	28.8
3	Wild buckwheat	40.9	6.1	15.0	0.3	0.8	3.4	24.4
4	Canada thistle	45.5	4.8	10.5	0.4	0.8	1.6	24.2
5	Redroot pigweed	27.3	4.5	16.7	0.6	2.3	8.4	23.4
6	Barnyard grass	13.6	4.1	30.0	0.6	4.5	6.4	19.4
7	Green foxtail	27.3	3.0	10.8	0.4	1.6	4.6	18.1
8	Kochia	22.7	4.5	20.0	0.3	1.3	2.2	17.2
9	Wild mustard	31.8	1.6	5.0	0.1	0.2	0.4	11.2
10	Thyme-leaved spurge	27.3	2.0	7.5	0.1	0.3	0.8	11.2
11	Spring wheat/durum	18.2	2.0	11.3	0.2	1.1	1.8	10.7
12	Dandelion	9.1	3.0	32.5	0.2	1.9	3.4	9.6
13	Prickly lettuce	22.7	1.4	6.0	0.1	0.3	0.6	8.7
14	Canola (Argentine)	13.6	1.1	8.3	< 0.1	0.3	0.6	5.8
15	Flixweed	4.5	1.4	30.0	0.2	3.4	3.4	5.7
16	Lamb's-quarters	13.6	0.9	6.7	< 0.1	0.3	0.4	5.3
17	Curled dock	9.1	0.9	10.0	0.1	0.6	1.0	4.5
18	Canary grass	4.5	0.5	10.0	< 0.1	0.6	0.6	2.2
19	Canada fleabane	4.5	0.5	10.0	< 0.1	0.4	0.4	2.1
20	Goat's-beard	4.5	0.5	10.0	< 0.1	0.4	0.4	2.1
21	Purslane speedwell	4.5	0.2	5.0	< 0.1	0.6	0.6	1.9
22	Foxtail barley	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
23	Quack grass	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
24	Black medick	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
25	Common pepper-grass	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6
26	Perennial sow-thistle	4.5	0.2	5.0	< 0.1	0.2	0.2	1.6

Table 192. Number of fields surveyed in each Extension District

Extension Region	Extension District	Number of Fields Surveyed
<b>North West</b>	Lloydminster	66
	Meadow Lake	13
	North Battleford	53
	Unity	70
	West Prince Albert	43
<b>North East</b>	Hudson Bay	12
	Humboldt	71
	Nipawin	64
	Prince Albert	59
	Tisdale	69
<b>West Central</b>	Biggar	72
	Davidson	58
	Kindersley	65
	Outlook	55
	Rosetown	70
<b>East Central</b>	Canora	68
	Kelvington	41
	Saskatoon	81
	Watrous	48
	Wynyard	74
	Yorkton	87
<b>South West</b>	Assiniboia	95
	Maple Creek	19
	Moose Jaw	88
	Shaunavon	72
	Swift Current	89
<b>South East</b>	Carnduff	55
	Estevan	65
	Indian Head	78
	Moosomin	57
	Regina	97
	Weyburn	92

Table 193. Lloydminster in the North West Extension Region (66 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	63.6	22.8	35.8	5.9	9.2	88.4	46.4
2	Lamb's-quarters	50.0	11.3	22.6	9.7	19.4	564.4	43.6
3	Wild buckwheat	68.2	19.9	29.2	3.3	4.8	94.4	38.2
4	Green foxtail	25.8	9.2	35.9	9.5	36.8	273.8	36.8
5	Canada thistle	45.5	8.1	17.8	1.2	2.6	11.8	18.5
6	Stinkweed	31.8	6.1	19.3	1.8	5.8	83.0	15.9
7	Redroot pigweed	9.1	3.7	40.8	3.2	34.9	168.2	12.9
8	Narrow-leaved hawk's-beard	28.8	5.7	19.7	0.8	2.7	17.0	12.3
9	Shepherd's-purse	21.2	4.5	21.1	0.7	3.5	17.8	9.7
10	Spring wheat/durum	22.7	3.3	14.7	0.3	1.5	8.4	8.0
11	Perennial sow-thistle	24.2	2.6	10.6	0.2	1.0	6.6	7.4
12	Cleavers	15.2	2.7	17.5	0.5	3.2	13.2	6.4
13	Canola (Argentine)	13.6	3.1	22.8	0.4	2.6	15.8	6.1
14	Alfalfa	3.0	1.5	50.0	0.8	24.9	44.2	3.8
15	Bluebur	12.1	1.1	9.4	0.1	0.7	2.2	3.5
16	Barley	7.6	1.7	23.0	0.2	2.6	4.6	3.4
17	Russian thistle	7.6	1.4	19.0	0.1	1.3	3.2	2.9
18	Field horsetail	6.1	0.8	13.8	0.2	4.1	8.0	2.5
19	Wild tomato	4.5	1.0	21.7	0.2	4.7	8.8	2.2
20	Yellow toadflax	7.6	0.7	9.0	0.1	0.8	2.2	2.2
21	Dandelion	7.6	0.7	9.0	< 0.1	0.6	1.6	2.1
22	Stork's-bill	6.1	0.8	13.8	0.1	0.9	2.0	2.0
23	Spiny annual sow-thistle	6.1	0.7	11.3	< 0.1	0.8	1.8	1.8
24	Kochia	4.5	0.5	10.0	0.1	1.5	3.6	1.4
25	Low cudweed	4.5	0.4	8.3	< 0.1	0.3	0.4	1.2
26	Quack grass	3.0	0.5	15.0	0.1	3.2	5.2	1.2
27	Rose species	4.5	0.2	5.0	< 0.1	1.0	1.6	1.2
28	Flixweed	3.0	0.4	12.5	< 0.1	0.9	1.6	1.0
29	Maple-leaved goosefoot	3.0	0.2	7.5	< 0.1	0.5	0.6	0.8
30	Pale smartweed	3.0	0.2	7.5	< 0.1	0.5	0.8	0.8
31	Round-leaved mallow	1.5	0.2	15.0	< 0.1	0.8	0.8	0.5
32	Common pepper-grass	1.5	0.2	10.0	< 0.1	0.8	0.8	0.4
33	Common groundsel	1.5	0.2	10.0	< 0.1	0.6	0.6	0.4
34	Thyme-leaved spurge	1.5	0.2	10.0	< 0.1	0.4	0.4	0.4
35	Field violet	1.5	0.1	5.0	< 0.1	0.4	0.4	0.4
36	Wild mustard	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4
37	Russian pigweed	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Corn spurry	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Field peas	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 194. Meadow Lake in the North West Extension Region (13 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	46.2	11.9	25.8	0.8	1.8	6.2	76.2
2	Wild oats	38.5	8.8	23.0	0.9	2.4	4.8	66.7
3	Narrow-leaved hawk's-beard	7.7	5.4	70.0	0.7	9.6	9.6	39.4
4	Field horsetail	23.1	2.7	11.7	0.4	1.6	3.6	28.0
5	Spring wheat/durum	23.1	1.9	8.3	0.1	0.3	0.6	17.3
6	Stork's-bill	7.7	1.5	20.0	0.1	1.8	1.8	11.5
7	Lamb's-quarters	15.4	1.2	7.5	< 0.1	0.3	0.4	11.0
8	Alfalfa	7.7	1.2	15.0	< 0.1	0.6	0.6	7.7
9	Canola (Argentine)	7.7	0.8	10.0	< 0.1	0.6	0.6	6.7
10	Shepherd's-purse	7.7	0.8	10.0	< 0.1	0.4	0.4	6.3
11	Spreading dogbane	7.7	0.4	5.0	< 0.1	0.4	0.4	5.3
12	Green foxtail	7.7	0.4	5.0	< 0.1	0.2	0.2	4.8
13	Hemp-nettle	7.7	0.4	5.0	< 0.1	0.2	0.2	4.8
14	Round-leaved mallow	7.7	0.4	5.0	< 0.1	0.2	0.2	4.8
15	Pineappleweed	7.7	0.4	5.0	< 0.1	0.2	0.2	4.8
16	Pale smartweed	7.7	0.4	5.0	< 0.1	0.2	0.2	4.8



Table 195. North Battleford in the North West Extension Region (53 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	50.9	22.0	43.1	26.5	52.0	483.6	62.6
2	Wild oats	77.4	30.8	39.9	10.2	13.2	91.0	45.2
3	Wild buckwheat	71.7	29.0	40.4	4.4	6.2	43.2	34.0
4	Lamb's-quarters	49.1	12.8	26.2	3.5	7.1	91.4	20.1
5	Canada thistle	60.4	13.6	22.5	1.8	3.1	32.6	19.6
6	Stinkweed	37.7	8.5	22.5	4.1	10.8	159.6	17.0
7	Russian thistle	28.3	9.4	33.3	2.2	7.9	53.0	13.1
8	Spring wheat/durum	17.0	8.1	47.8	2.2	13.2	45.8	10.7
9	Canola (Argentine)	20.8	5.9	28.6	1.8	8.5	41.8	9.3
10	Narrow-leaved hawk's-beard	34.0	5.1	15.0	0.5	1.6	9.2	8.8
11	Dandelion	30.2	4.9	16.3	0.3	0.9	3.2	7.7
12	Shepherd's-purse	20.8	3.8	18.2	1.1	5.1	27.6	6.9
13	Perennial sow-thistle	18.9	3.2	17.0	0.4	2.4	18.0	5.3
14	Cleavers	18.9	2.0	10.5	0.2	1.2	5.0	4.3
15	Field horsetail	11.3	1.6	14.2	0.5	4.7	14.2	3.4
16	Quack grass	13.2	1.2	9.3	0.2	1.3	2.8	2.9
17	Prostrate knotweed	11.3	1.6	14.2	0.1	0.8	1.6	2.7
18	Common groundsel	11.3	1.0	9.2	0.1	0.8	2.0	2.4
19	Redroot pigweed	7.5	1.7	22.5	0.1	1.9	4.8	2.3
20	Kochia	3.8	1.9	50.0	0.3	8.4	15.4	2.1
21	Thyme-leaved spurge	1.9	1.9	100.0	0.4	19.4	19.4	1.9
22	American vetch	7.5	0.6	7.5	< 0.1	0.6	1.2	1.5
23	White cockle	5.7	0.8	15.0	0.1	1.7	3.6	1.5
24	Field peas	1.9	1.7	90.0	0.1	7.6	7.6	1.5
25	Bluebur	5.7	0.8	15.0	0.1	1.4	3.8	1.4
26	Pale smartweed	5.7	0.8	13.3	0.1	1.7	4.6	1.4
27	Chickweed	1.9	0.8	40.0	0.3	16.4	16.4	1.2
28	Flixweed	5.7	0.3	5.0	< 0.1	0.2	0.2	1.0
29	Wild mustard	5.7	0.3	5.0	< 0.1	0.2	0.2	1.0
30	Barley	3.8	0.5	12.5	< 0.1	0.9	1.0	0.9
31	Hemp-nettle	1.9	0.6	30.0	0.1	3.4	3.4	0.7
32	Rose species	3.8	0.2	5.0	< 0.1	0.3	0.4	0.7
33	Spiny annual sow-thistle	3.8	0.2	5.0	< 0.1	0.2	0.2	0.7
34	Alfalfa	1.9	0.4	20.0	< 0.1	1.0	1.0	0.5
35	Oats	1.9	0.3	15.0	< 0.1	1.6	1.6	0.5
36	Night-flowering catchfly	1.9	0.2	10.0	< 0.1	0.6	0.6	0.4
37	Prostrate pigweed	1.9	0.2	10.0	< 0.1	0.4	0.4	0.4
38	Yellow toadflax	1.9	0.1	5.0	< 0.1	0.8	0.8	0.4
39	Foxtail barley	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3
40	Persian darnel	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Round-leaved mallow	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3
42	Russian pigweed	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Corn spurry	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Wood whitlow-grass	1.9	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 196. Unity in the North West Extension Region (70 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	54.3	12.1	22.4	3.5	6.5	117.6	66.2
2	Green foxtail	18.6	7.1	38.5	6.3	34.0	204.8	62.6
3	Wild buckwheat	50.0	9.4	18.9	0.6	1.3	4.8	40.1
4	Stinkweed	32.9	6.1	18.7	2.2	6.7	117.4	38.2
5	Canada thistle	22.9	2.6	11.3	0.2	0.8	3.2	14.3
6	Lamb's-quarters	15.7	2.6	16.4	0.3	1.9	6.2	12.5
7	Spring wheat/durum	5.7	1.6	27.5	0.3	6.1	22.4	7.4
8	Russian thistle	8.6	1.4	15.8	0.2	2.6	11.6	7.2
9	Shepherd's-purse	4.3	1.6	38.3	0.3	6.5	11.0	6.5
10	Narrow-leaved hawk's-beard	5.7	0.8	13.8	0.1	1.2	1.8	4.0
11	Kochia	7.1	0.6	8.0	< 0.1	0.4	0.6	3.8
12	Cow cockle	2.9	0.9	30.0	0.1	4.2	8.2	3.5
13	White clover	4.3	0.4	10.0	0.2	3.7	6.6	3.4
14	Povertyweed	1.4	0.9	60.0	0.2	13.2	13.2	3.4
15	Persian darnel	4.3	0.6	15.0	< 0.1	0.9	2.2	3.0
16	Redroot pigweed	4.3	0.4	8.3	< 0.1	0.4	0.6	2.3
17	Field peas	1.4	0.7	50.0	0.1	4.6	4.6	2.3
18	Perennial sow-thistle	4.3	0.2	5.0	< 0.1	0.2	0.2	2.0
19	Striate knotweed	2.9	0.3	10.0	< 0.1	0.6	1.0	1.7
20	Wild tomato	2.9	0.3	10.0	< 0.1	0.6	0.8	1.7
21	Foxtail barley	2.9	0.2	7.5	< 0.1	1.3	2.4	1.7
22	American vetch	2.9	0.1	5.0	< 0.1	1.1	2.0	1.5
23	Flixweed	2.9	0.2	7.5	< 0.1	0.3	0.4	1.5
24	Yellow toadflax	2.9	0.1	5.0	< 0.1	0.6	0.8	1.4
25	Lentils	1.4	0.3	20.0	< 0.1	1.6	1.6	1.2
26	Spiny annual sow-thistle	1.4	0.2	15.0	< 0.1	1.0	1.0	1.0
27	Common pepper-grass	1.4	0.1	10.0	< 0.1	1.4	1.4	0.9
28	Prostrate knotweed	1.4	0.1	10.0	< 0.1	0.6	0.6	0.8
29	Canola (Argentine)	1.4	0.1	10.0	< 0.1	0.6	0.6	0.8
30	Dandelion	1.4	0.1	10.0	< 0.1	0.4	0.4	0.8
31	Barley	1.4	0.1	5.0	< 0.1	1.0	1.0	0.7
32	Cleavers	1.4	0.1	5.0	< 0.1	0.6	0.6	0.7
33	Pale smartweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.7

Table 197. West Prince Albert in the North West Extension Region (43 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	27.9	15.0	53.8	13.0	46.7	355.2	45.8
2	Wild buckwheat	81.4	25.7	31.6	3.1	3.8	24.0	35.1
3	Stinkweed	48.8	17.1	35.0	4.9	10.0	135.6	29.7
4	Lamb's-quarters	46.5	16.5	35.5	2.5	5.5	29.0	23.1
5	Chickweed	41.9	12.4	29.7	2.1	5.1	19.8	19.0
6	Canada thistle	48.8	12.0	24.5	1.5	3.1	18.0	18.3
7	Cleavers	44.2	13.6	30.8	1.4	3.1	11.8	18.1
8	Wild oats	46.5	11.0	23.8	1.6	3.4	25.4	17.5
9	Quack grass	27.9	10.1	36.3	2.0	7.0	20.0	15.0
10	Spring wheat/durum	9.3	6.0	65.0	2.6	28.4	93.2	11.5
11	Canola (Argentine)	16.3	5.2	32.1	1.7	10.4	59.6	9.8
12	Field horsetail	30.2	5.8	19.2	0.6	2.1	7.4	9.6
13	Dandelion	20.9	3.6	17.2	0.3	1.6	8.6	6.2
14	Shepherd's-purse	11.6	4.7	40.0	0.5	4.4	9.2	5.8
15	Perennial sow-thistle	16.3	1.9	11.4	0.1	0.8	1.6	3.9
16	Hemp-nettle	14.0	1.9	13.3	0.2	1.1	3.4	3.6
17	Pale smartweed	11.6	1.4	12.0	0.2	1.4	5.4	3.0
18	Alfalfa	7.0	2.0	28.3	0.2	3.4	8.8	2.8
19	Narrow-leaved hawk's-beard	7.0	2.0	28.3	0.1	2.1	4.4	2.6
20	Spiny annual sow-thistle	7.0	1.7	25.0	0.2	2.5	5.0	2.5
21	Annual sow-thistle	9.3	0.8	8.8	< 0.1	0.5	1.0	2.0
22	Common groundsel	7.0	0.9	13.3	0.1	0.8	1.2	1.8
23	Wild mustard	7.0	0.6	8.3	< 0.1	0.7	1.0	1.5
24	Bluebur	7.0	0.5	6.7	< 0.1	0.3	0.4	1.4
25	Bicknell's geranium	4.7	0.6	12.5	< 0.1	0.6	1.0	1.1
26	Redroot pigweed	4.7	0.2	5.0	0.1	1.8	3.4	1.1
27	Night-flowering catchfly	2.3	0.9	40.0	< 0.1	2.0	2.0	1.0
28	Wormseed mustard	2.3	0.5	20.0	0.1	4.8	4.8	0.9
29	Scentless chamomile	2.3	0.6	25.0	< 0.1	1.6	1.6	0.8
30	Barley	2.3	0.3	15.0	0.1	3.8	3.8	0.8
31	Smooth brome	2.3	0.2	10.0	0.1	2.6	2.6	0.7
32	Pineappleweed	2.3	0.3	15.0	< 0.1	0.6	0.6	0.6
33	American vetch	2.3	0.3	15.0	< 0.1	0.6	0.6	0.6
34	Tartary buckwheat	2.3	0.2	10.0	< 0.1	0.8	0.8	0.5
35	Broad-leaved plantain	2.3	0.1	5.0	< 0.1	0.2	0.2	0.4
36	Russian thistle	2.3	0.1	5.0	< 0.1	0.2	0.2	0.4
37	Biennial wormwood	2.3	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Yellow sweet-clover	2.3	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Canola (Polish)	2.3	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 198. Hudson Bay in the North East Extension Region (12 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	41.7	16.3	39.0	16.8	40.4	167.2	61.1
2	Wild oats	91.7	41.7	45.5	6.0	6.5	18.6	49.5
3	Wild buckwheat	100.0	32.5	32.5	3.7	3.7	17.2	39.2
4	Canada thistle	91.7	19.2	20.9	1.2	1.3	4.6	24.3
5	Dandelion	83.3	12.5	15.0	0.7	0.8	3.4	18.5
6	Narrow-leaved hawk's-beard	58.3	8.8	15.0	0.4	0.6	1.0	12.6
7	Cleavers	25.0	8.8	35.0	1.1	4.3	11.2	10.6
8	Lamb's-quarters	33.3	7.1	21.3	0.7	2.1	7.0	9.7
9	Quack grass	16.7	4.2	25.0	1.2	7.1	9.0	7.5
10	Pale smartweed	33.3	3.8	11.3	0.4	1.1	3.4	7.0
11	Barley	16.7	5.8	35.0	0.4	2.2	4.2	6.1
12	Wild mustard	16.7	4.6	27.5	0.6	3.3	6.2	5.9
13	Hemp-nettle	25.0	2.9	11.7	0.3	1.1	1.6	5.3
14	Canary grass	8.3	5.0	60.0	0.5	6.0	6.0	5.0
15	American dragonhead	16.7	4.2	25.0	0.2	1.1	1.2	4.7
16	Red clover	16.7	2.5	15.0	0.1	0.6	0.8	3.6
17	Field horsetail	16.7	2.1	12.5	0.2	1.0	1.0	3.6
18	Barnyard grass	16.7	0.8	5.0	0.3	2.0	2.4	3.4
19	Shepherd's-purse	16.7	0.8	5.0	0.1	0.5	0.8	2.7
20	Canola (Argentine)	16.7	0.8	5.0	0.1	0.3	0.4	2.6
21	Night-flowering catchfly	8.3	1.3	15.0	0.3	3.8	3.8	2.5
22	Broad-leaved plantain	16.7	0.8	5.0	< 0.1	0.2	0.2	2.5
23	Perennial sow-thistle	16.7	0.8	5.0	< 0.1	0.2	0.2	2.5
24	Flax	8.3	1.3	15.0	0.2	2.0	2.0	2.1
25	Bluebur	8.3	1.7	20.0	0.1	0.8	0.8	2.1
26	Foxtail barley	8.3	0.8	10.0	< 0.1	0.4	0.4	1.5
27	Spring wheat/durum	8.3	0.4	5.0	< 0.1	0.4	0.4	1.3
28	Annual sow-thistle	8.3	0.4	5.0	< 0.1	0.2	0.2	1.3
29	Alfalfa	8.3	0.4	5.0	< 0.1	0.2	0.2	1.3

Table 199. Humboldt in the North East Extension Region (71 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	73.2	38.8	53.0	16.2	22.1	352.2	87.1
2	Wild buckwheat	67.6	18.6	27.5	1.5	2.3	14.6	30.6
3	Canada thistle	63.4	12.7	20.0	1.3	2.0	13.2	24.8
4	Green foxtail	23.9	8.9	37.1	4.2	17.4	89.6	22.6
5	Lamb's-quarters	32.4	7.5	23.0	2.2	6.9	88.2	17.7
6	Cleavers	36.6	8.0	21.9	0.8	2.1	12.8	14.9
7	Russian thistle	16.9	6.1	35.8	1.9	11.5	75.4	13.0
8	Canola (Argentine)	15.5	4.6	30.0	1.6	10.5	92.8	10.9
9	Spring wheat/durum	9.9	4.6	46.4	1.7	16.7	88.6	9.8
10	Perennial sow-thistle	28.2	3.1	11.0	0.3	1.0	5.6	8.4
11	Wild mustard	9.9	2.3	22.9	1.4	14.4	96.0	7.5
12	Shepherd's-purse	16.9	3.0	17.9	0.4	2.2	13.6	6.4
13	Dandelion	19.7	2.5	12.5	0.1	0.6	1.4	5.8
14	Barnyard grass	5.6	1.8	31.3	0.6	10.5	39.6	4.0
15	Stinkweed	9.9	1.6	16.4	0.1	1.5	7.2	3.5
16	Field horsetail	11.3	1.1	9.4	0.1	1.2	4.2	3.3
17	Spiny annual sow-thistle	5.6	1.4	25.0	0.2	3.0	4.2	2.6
18	Pale smartweed	7.0	1.1	15.0	0.1	1.8	7.0	2.5
19	Narrow-leaved hawk's-beard	5.6	1.1	20.0	0.2	3.6	8.6	2.4
20	Kochia	5.6	1.1	18.8	0.1	2.4	5.8	2.2
21	Bluebur	5.6	0.8	15.0	0.1	1.2	3.4	1.9
22	Round-leaved mallow	4.2	0.6	15.0	0.2	4.0	11.0	1.7
23	Purslane speedwell	4.2	0.5	11.7	< 0.1	0.6	1.4	1.2
24	Night-flowering catchfly	2.8	0.8	27.5	< 0.1	1.5	2.0	1.2
25	Cow cockle	1.4	1.0	70.0	0.1	5.4	5.4	1.2
26	Flax	1.4	0.8	55.0	0.1	9.2	9.2	1.2
27	Chickweed	2.8	0.4	15.0	0.1	3.5	6.8	1.1
28	White cockle	4.2	0.3	6.7	< 0.1	0.3	0.6	1.0
29	Flixweed	2.8	0.3	10.0	< 0.1	0.4	0.6	0.8
30	Hemp-nettle	2.8	0.1	5.0	< 0.1	1.7	3.0	0.8
31	Pineappleweed	2.8	0.2	7.5	< 0.1	0.7	1.2	0.7
32	Biennial wormwood	2.8	0.1	5.0	< 0.1	0.4	0.6	0.7
33	American dragonhead	2.8	0.1	5.0	< 0.1	0.2	0.2	0.7
34	Quack grass	1.4	0.4	25.0	< 0.1	2.6	2.6	0.6
35	Yellow sweet-clover	1.4	0.4	25.0	< 0.1	2.6	2.6	0.6
36	Bicknell's geranium	1.4	0.2	15.0	< 0.1	1.0	1.0	0.5
37	American vetch	1.4	0.1	10.0	< 0.1	1.8	1.8	0.4
38	Prostrate knotweed	1.4	0.1	10.0	< 0.1	1.2	1.2	0.4
39	Canada fleabane	1.4	0.1	10.0	< 0.1	0.6	0.6	0.4
40	Stork's-bill	1.4	0.1	10.0	< 0.1	0.6	0.6	0.4
41	Goat's-beard	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
42	Silverweed	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
43	Caraway	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
44	Foxtail barley	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Field mint	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Wormseed mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
47	Alfalfa	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
48	Barley	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 200. Nipawin in the North East Extension Region (64 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	57.8	16.6	28.8	3.4	5.9	127.0	45.6
2	Wild oats	56.3	16.3	28.9	1.8	3.2	22.8	33.4
3	Wild buckwheat	62.5	16.8	26.9	1.2	1.9	18.0	30.7
4	Field horsetail	48.4	12.0	24.8	1.5	3.0	18.0	26.8
5	Canada thistle	48.4	8.9	18.4	0.5	1.1	7.4	17.8
6	Green foxtail	23.4	7.1	30.3	1.2	4.9	14.6	17.1
7	Shepherd's-purse	26.6	5.5	20.6	0.4	1.6	8.8	11.1
8	Pale smartweed	32.8	3.9	11.9	0.2	0.6	3.2	9.4
9	Narrow-leaved hawk's-beard	20.3	4.5	22.3	0.4	1.7	10.6	9.0
10	Canola (Argentine)	21.9	3.8	17.5	0.3	1.3	6.8	8.2
11	Hemp-nettle	20.3	2.7	13.5	0.3	1.5	8.2	7.3
12	Dandelion	21.9	3.1	14.3	0.2	1.0	8.2	7.2
13	Wild mustard	6.3	3.0	47.5	0.4	6.8	16.4	6.2
14	Cleavers	26.6	1.8	6.8	0.1	0.3	0.8	6.0
15	Stinkweed	18.8	2.6	13.8	0.2	0.9	4.8	6.0
16	Perennial sow-thistle	23.4	2.0	8.7	0.1	0.4	1.0	5.8
17	Spring wheat/durum	15.6	2.5	16.0	0.1	0.7	1.6	5.1
18	Alfalfa	12.5	2.7	21.3	0.1	1.1	3.0	4.8
19	Redroot pigweed	3.1	1.2	37.5	0.4	13.5	26.8	4.4
20	Barley	12.5	2.0	16.3	0.1	0.8	2.2	4.2
21	Borage	1.6	1.6	100.0	0.3	21.4	21.4	3.8
22	Red clover	9.4	1.3	14.2	0.1	0.6	1.4	2.8
23	Night-flowering catchfly	6.3	1.3	20.0	0.1	1.9	7.0	2.7
24	Quack grass	3.1	1.6	50.0	0.1	4.2	5.8	2.6
25	Field peas	3.1	1.4	45.0	0.1	3.0	5.8	2.2
26	Annual sow-thistle	7.8	0.8	10.0	< 0.1	0.5	1.0	2.1
27	Bluebur	4.7	1.1	23.3	0.1	1.1	2.2	1.9
28	Spiny annual sow-thistle	6.3	0.8	12.5	< 0.1	0.8	1.4	1.9
29	Chickweed	4.7	0.9	18.3	0.1	1.5	3.4	1.9
30	American dragonhead	4.7	0.9	18.3	< 0.1	0.7	1.4	1.6
31	Pineappleweed	4.7	0.8	16.7	< 0.1	0.8	1.4	1.6
32	Flax	3.1	0.9	27.5	< 0.1	1.5	2.8	1.5
33	Maple-leaved goosefoot	4.7	0.3	6.7	< 0.1	0.3	0.4	1.0
34	Biennial wormwood	4.7	0.2	5.0	< 0.1	0.2	0.2	1.0
35	Prickly lettuce	3.1	0.4	12.5	< 0.1	0.5	0.6	0.9
36	Black medick	1.6	0.5	35.0	< 0.1	1.8	1.8	0.8
37	Ball mustard	3.1	0.2	7.5	< 0.1	0.4	0.4	0.7
38	Broad-leaved plantain	3.1	0.2	5.0	< 0.1	0.2	0.2	0.6
39	Corn spurry	1.6	0.1	5.0	< 0.1	0.6	0.6	0.4
40	Rough cinquefoil	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Dog mustard	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3
42	Common pepper-grass	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Cream-colored vetchling	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3
44	White sweet-clover	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Yellow sweet-clover	1.6	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 201. Prince Albert in the North East Extension Region (59 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild buckwheat	62.7	24.9	39.7	2.8	4.5	22.2	33.2
2	Green foxtail	27.1	7.3	26.9	11.9	44.1	397.4	31.8
3	Redroot pigweed	10.2	1.9	19.2	12.9	126.8	758.4	27.0
4	Wild oats	44.1	17.8	40.4	3.7	8.5	38.2	26.8
5	Lamb's-quarters	55.9	15.3	27.4	1.6	2.9	11.4	23.3
6	Spring wheat/durum	15.3	6.6	43.3	7.1	46.5	280.8	20.3
7	Canada thistle	54.2	10.8	19.8	1.2	2.2	13.0	19.0
8	Quack grass	22.0	8.1	36.5	3.2	14.3	84.8	15.2
9	Canola (Argentine)	20.3	5.4	26.7	2.6	12.8	78.6	12.1
10	Field horsetail	22.0	7.7	35.0	1.4	6.3	23.4	11.7
11	Cleavers	23.7	6.5	27.5	0.5	2.3	8.6	9.6
12	Dandelion	30.5	4.7	15.3	0.4	1.2	4.6	9.2
13	Hemp-nettle	13.6	3.4	25.0	1.0	7.7	44.4	6.6
14	Chickweed	18.6	3.5	18.6	0.4	2.4	15.4	6.5
15	Perennial sow-thistle	18.6	2.7	14.5	0.6	3.2	26.8	6.2
16	Pale smartweed	22.0	2.6	11.9	0.1	0.6	1.8	5.9
17	Wild mustard	5.1	2.6	51.7	0.9	16.9	37.6	4.3
18	Stinkweed	13.6	2.2	16.3	0.2	1.3	4.2	4.2
19	Spiny annual sow-thistle	10.2	2.4	23.3	0.3	3.4	13.6	4.0
20	Narrow-leaved hawk's-beard	6.8	1.4	21.3	0.3	3.8	13.2	2.6
21	Annual sow-thistle	8.5	1.2	14.0	0.1	0.7	1.2	2.4
22	Shepherd's-purse	8.5	0.8	9.0	0.1	1.0	3.8	2.2
23	Barnyard grass	3.4	0.9	27.5	0.2	5.7	11.0	1.6
24	Common groundsel	5.1	0.8	16.7	0.1	1.0	1.6	1.6
25	Wild tomato	5.1	0.6	11.7	< 0.1	0.8	1.0	1.4
26	Barley	3.4	0.6	17.5	0.1	2.3	4.4	1.1
27	Russian thistle	3.4	0.6	17.5	< 0.1	1.4	2.0	1.1
28	Flax	3.4	0.3	10.0	< 0.1	0.5	0.8	0.9
29	American vetch	3.4	0.2	5.0	< 0.1	0.2	0.2	0.7
30	Tartary buckwheat	1.7	0.3	20.0	< 0.1	1.4	1.4	0.6
31	American dragonhead	1.7	0.3	20.0	< 0.1	1.4	1.4	0.6
32	Night-flowering catchfly	1.7	0.3	15.0	< 0.1	0.6	0.6	0.5
33	Stork's-bill	1.7	0.2	10.0	< 0.1	2.4	2.4	0.5
34	Broad-leaved plantain	1.7	0.2	10.0	< 0.1	1.8	1.8	0.5
35	Field bindweed	1.7	0.2	10.0	< 0.1	0.8	0.8	0.4
36	Rough cinquefoil	1.7	0.2	10.0	< 0.1	0.4	0.4	0.4
37	Cow cockle	1.7	0.2	10.0	< 0.1	0.4	0.4	0.4
38	Prickly lettuce	1.7	0.2	10.0	< 0.1	0.4	0.4	0.4
39	White cockle	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
40	Kochia	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
41	Round-leaved mallow	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
42	Black medick	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
43	Pasture sage	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
44	Thyme-leaved spurge	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
45	Yellow sweet-clover	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
46	Field peas	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4
47	Fall rye	1.7	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 202. Tisdale in the North East Extension Region (69 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	63.8	22.9	35.9	6.7	10.6	148.4	64.7
2	Wild buckwheat	59.4	15.0	25.2	1.1	1.9	16.4	29.0
3	Green foxtail	18.8	6.0	31.9	4.0	21.4	218.0	28.8
4	Canada thistle	53.6	10.1	18.9	0.7	1.2	9.6	21.4
5	Lamb's-quarters	29.0	6.4	22.3	1.1	3.8	42.2	16.1
6	Cleavers	29.0	5.9	20.5	1.1	3.8	50.2	15.7
7	Field horsetail	27.5	7.5	27.1	0.9	3.3	11.6	15.7
8	Dandelion	36.2	5.3	14.6	0.2	0.7	2.6	12.2
9	Shepherd's-purse	24.6	3.3	13.2	0.5	2.0	14.2	9.6
10	Pale smartweed	23.2	3.8	16.6	0.2	1.0	4.8	8.5
11	Barley	18.8	4.3	22.7	0.3	1.5	9.0	8.4
12	Narrow-leaved hawk's-beard	23.2	2.8	12.2	0.1	0.6	2.0	7.2
13	Spring wheat/durum	11.6	2.9	25.0	0.5	4.3	27.2	7.0
14	Canola (Argentine)	18.8	3.0	16.2	0.2	1.1	3.2	6.9
15	Perennial sow-thistle	14.5	1.8	12.5	0.1	0.8	3.8	4.7
16	Redroot pigweed	2.9	0.9	30.0	0.6	20.7	41.0	4.3
17	American dragonhead	14.5	1.4	9.5	0.1	0.5	1.2	4.1
18	Bluebur	11.6	1.5	13.1	0.1	0.9	4.0	3.8
19	Spiny annual sow-thistle	8.7	1.7	20.0	0.1	1.7	2.8	3.8
20	Wild mustard	10.1	1.7	16.4	0.1	0.7	2.2	3.6
21	Quack grass	5.8	1.2	21.3	0.2	3.3	8.2	3.0
22	Stinkweed	7.2	1.2	17.0	0.1	1.0	1.8	2.7
23	Hemp-nettle	5.8	1.1	18.8	0.1	1.8	6.4	2.5
24	Corn spurry	1.4	1.2	80.0	0.2	14.6	14.6	2.3
25	Night-flowering catchfly	5.8	0.6	10.0	< 0.1	0.5	0.6	1.7
26	Flax	1.4	0.9	65.0	0.1	7.6	7.6	1.6
27	Round-leaved mallow	1.4	0.3	20.0	0.1	7.6	7.6	1.1
28	Yellow sweet-clover	2.9	0.5	17.5	< 0.1	0.7	1.2	1.0
29	Pineappleweed	2.9	0.4	12.5	< 0.1	0.7	1.2	0.9
30	Alfalfa	2.9	0.4	12.5	< 0.1	0.5	0.8	0.9
31	Scentless chamomile	1.4	0.4	25.0	< 0.1	2.6	2.6	0.8
32	Foxtail barley	2.9	0.1	5.0	< 0.1	0.2	0.2	0.7
33	Common groundsel	2.9	0.1	5.0	< 0.1	0.2	0.2	0.7
34	Chickweed	1.4	0.3	20.0	< 0.1	0.8	0.8	0.6
35	Kochia	1.4	0.2	15.0	< 0.1	0.6	0.6	0.5
36	Cream-colored vetchling	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
37	Field violet	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
38	Low cudweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
39	Barnyard grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
40	Black medick	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Ball mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
42	Dog mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Common pepper-grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Broad-leaved plantain	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Fowl-meadow grass	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
46	Red clover	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3



Table 203. Biggar in the West Central Extension Region (72 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	44.4	19.9	44.8	21.7	48.9	568.4	112.2
2	Wild oats	48.6	9.9	20.3	1.9	3.9	53.6	33.9
3	Wild buckwheat	52.8	9.1	17.2	0.8	1.5	11.4	30.5
4	Stinkweed	26.4	4.4	16.8	1.1	4.1	59.2	17.3
5	Russian thistle	27.8	5.1	18.5	0.5	2.0	15.8	16.9
6	Canada thistle	19.4	2.6	13.2	0.2	0.9	2.2	9.7
7	Lamb's-quarters	9.7	2.5	25.7	0.8	8.1	37.2	8.9
8	Kochia	13.9	2.6	18.5	0.3	2.1	6.6	8.5
9	Lentils	8.3	3.7	44.2	0.3	3.7	7.2	8.5
10	Oats	1.4	1.4	100.0	1.5	104.4	104.4	7.1
11	Spring wheat/durum	6.9	1.7	25.0	0.3	4.7	19.6	5.5
12	Flixweed	6.9	1.3	19.0	0.1	1.2	2.8	4.1
13	Wild mustard	6.9	1.3	18.0	0.1	1.0	2.2	4.0
14	Canola (Argentine)	9.7	0.6	6.4	< 0.1	0.3	0.8	3.8
15	Cow cockle	6.9	1.0	15.0	0.1	1.4	6.0	3.8
16	Rose species	5.6	0.6	11.3	0.1	2.5	9.0	2.9
17	Persian darnel	2.8	0.8	30.0	0.1	3.4	6.6	2.3
18	Foxtail barley	5.6	0.3	6.3	< 0.1	0.4	0.8	2.2
19	Redroot pigweed	5.6	0.3	6.3	< 0.1	0.3	0.4	2.1
20	Scouring-rush	4.2	0.4	10.0	0.1	1.9	4.0	2.0
21	Dandelion	4.2	0.4	10.0	< 0.1	0.7	1.6	1.9
22	Alfalfa	2.8	0.6	22.5	< 0.1	1.5	2.6	1.8
23	Barley	2.8	0.6	20.0	0.1	2.3	4.4	1.8
24	Field horsetail	4.2	0.2	5.0	< 0.1	0.8	1.0	1.6
25	Annual sow-thistle	2.8	0.2	7.5	< 0.1	0.9	1.2	1.2
26	Yellow sweet-clover	2.8	0.2	7.5	< 0.1	0.3	0.4	1.1
27	Narrow-leaved hawk's-beard	2.8	0.1	5.0	< 0.1	0.2	0.2	1.0
28	Common pepper-grass	2.8	0.1	5.0	< 0.1	0.2	0.2	1.0
29	Indian mustard	1.4	0.3	20.0	< 0.1	1.4	1.4	0.8
30	Prostrate knotweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Perennial sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5
32	American vetch	1.4	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 204. Davidson in the West Central Extension Region (58 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	60.3	28.5	47.3	3.9	6.4	38.2	76.7
2	Wild oats	50.0	24.1	48.1	2.1	4.1	17.0	52.5
3	Kochia	43.1	12.9	30.0	0.7	1.7	9.8	29.2
4	Wild buckwheat	37.9	12.8	33.6	0.7	1.8	5.2	26.9
5	Lamb's-quarters	31.0	8.9	28.6	0.4	1.4	3.6	19.7
6	Redroot pigweed	25.9	8.9	34.3	0.5	2.0	6.2	19.1
7	Canada thistle	24.1	6.6	27.5	0.5	2.0	7.2	16.4
8	Russian thistle	17.2	8.2	47.5	0.5	2.9	5.4	16.0
9	Stinkweed	13.8	3.1	22.5	0.2	1.3	5.0	7.9
10	Flax	5.2	2.2	41.7	0.2	3.8	10.4	5.0
11	Round-leaved mallow	10.3	1.2	11.7	0.1	0.6	1.6	4.3
12	Canada fleabane	5.2	1.6	30.0	0.1	1.6	2.8	3.4
13	Common pepper-grass	6.9	0.9	12.5	< 0.1	0.6	1.4	2.9
14	Perennial sow-thistle	3.4	1.4	40.0	0.1	2.1	2.2	2.7
15	Lentils	3.4	1.2	35.0	0.1	1.6	1.8	2.4
16	Biennial wormwood	5.2	0.8	15.0	< 0.1	0.7	1.4	2.3
17	Thyme-leaved spurge	1.7	1.1	65.0	0.1	3.2	3.2	1.9
18	Cow cockle	3.4	0.6	17.5	< 0.1	1.0	1.4	1.7
19	Flixweed	3.4	0.5	15.0	< 0.1	0.7	0.8	1.6
20	Rose species	3.4	0.4	12.5	< 0.1	0.9	1.0	1.6
21	Prostrate pigweed	3.4	0.3	10.0	< 0.1	0.5	0.6	1.4
22	Spring wheat/durum	3.4	0.3	7.5	< 0.1	0.3	0.4	1.2
23	Goat's-beard	1.7	0.3	20.0	< 0.1	0.8	0.8	0.9
24	False ragweed	1.7	0.3	15.0	< 0.1	0.6	0.6	0.8
25	Bluebur	1.7	0.2	10.0	< 0.1	0.4	0.4	0.7
26	Sunflower	1.7	0.2	10.0	< 0.1	0.4	0.4	0.7

Table 205. Kindersley in the West Central Extension Region (65 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	44.6	9.7	21.7	1.1	2.4	8.8	64.1
2	Kochia	18.5	5.0	27.1	2.5	13.4	99.8	61.0
3	Wild buckwheat	32.3	6.5	20.2	0.5	1.5	5.0	40.9
4	Redroot pigweed	18.5	3.5	19.2	0.5	2.9	23.8	26.9
5	Russian thistle	15.4	2.7	17.5	0.3	2.2	13.0	20.1
6	Green foxtail	12.3	2.4	19.4	0.5	3.8	14.2	19.7
7	Stinkweed	9.2	2.2	24.2	0.3	2.9	11.2	14.7
8	Spring wheat/durum	3.1	1.2	37.5	0.4	11.8	23.0	10.2
9	Wild mustard	9.2	1.2	12.5	0.1	0.9	3.6	8.9
10	Cow cockle	9.2	0.7	7.5	< 0.1	0.4	0.6	7.0
11	Canola (Argentine)	1.5	1.1	70.0	0.1	9.0	9.0	5.7
12	Canada thistle	4.6	0.5	10.0	< 0.1	0.8	2.0	4.1
13	Barley	3.1	0.5	17.5	< 0.1	0.9	1.6	3.4
14	Dandelion	3.1	0.5	17.5	< 0.1	0.8	0.8	3.3
15	Flixweed	3.1	0.2	5.0	< 0.1	0.3	0.4	2.1
16	Common pepper-grass	3.1	0.2	5.0	< 0.1	0.3	0.4	2.1
17	Prostrate knotweed	1.5	0.2	10.0	< 0.1	0.4	0.4	1.3
18	Field peas	1.5	0.2	10.0	< 0.1	0.4	0.4	1.3
19	Narrow-leaved hawk's-beard	1.5	0.1	5.0	< 0.1	0.2	0.2	1.0
20	Tumble pigweed	1.5	0.1	5.0	< 0.1	0.2	0.2	1.0
21	Wild tomato	1.5	0.1	5.0	< 0.1	0.2	0.2	1.0

Table 206. Outlook in the West Central Extension Region (55 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	58.2	22.1	38.0	11.5	19.8	244.4	104.4
2	Kochia	38.2	13.5	35.5	7.6	20.0	181.4	67.5
3	Wild oats	29.1	7.0	24.1	0.8	2.6	16.4	24.8
4	Wild buckwheat	23.6	4.9	20.8	0.5	2.0	14.2	18.4
5	Redroot pigweed	20.0	3.0	15.0	0.2	1.1	3.2	13.2
6	Lamb's-quarters	9.1	3.4	37.0	0.9	10.2	44.4	12.5
7	Stinkweed	12.7	2.7	21.4	0.3	2.3	8.2	10.2
8	Russian thistle	9.1	2.0	22.0	0.1	1.5	5.0	7.1
9	Flixweed	7.3	1.5	20.0	0.1	1.9	4.8	5.6
10	Canola (Argentine)	7.3	1.3	17.5	0.1	1.7	5.0	5.2
11	Common pepper-grass	3.6	1.5	42.5	0.4	10.0	19.8	5.2
12	Spring wheat/durum	5.5	1.4	25.0	0.1	1.8	4.0	4.5
13	Canada thistle	7.3	0.6	8.8	0.1	0.8	1.8	4.0
14	Foxtail barley	3.6	1.1	30.0	0.1	2.9	5.6	3.5
15	Dandelion	1.8	1.1	60.0	0.2	9.4	9.4	3.0
16	Biennial wormwood	3.6	0.7	20.0	< 0.1	0.9	1.4	2.6
17	Field horsetail	1.8	0.8	45.0	0.2	8.6	8.6	2.6
18	Goat's-beard	1.8	0.2	10.0	< 0.1	0.4	0.4	1.0
19	Prostrate pigweed	1.8	0.2	10.0	< 0.1	0.4	0.4	1.0
20	Spear-leaved goosefoot	1.8	0.1	5.0	< 0.1	0.4	0.4	0.9
21	Wild mustard	1.8	0.1	5.0	< 0.1	0.2	0.2	0.9
22	Shepherd's-purse	1.8	0.1	5.0	< 0.1	0.2	0.2	0.9
23	Field peas	1.8	0.1	5.0	< 0.1	0.2	0.2	0.9

Table 207. Rosetown in the West Central Extension Region (70 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	35.7	9.5	26.6	2.4	6.8	54.4	106.6
2	Green foxtail	11.4	2.9	25.0	0.7	6.5	14.0	32.9
3	Wild buckwheat	20.0	2.6	13.2	0.1	0.6	1.6	23.1
4	Wild mustard	15.7	2.7	17.3	0.2	1.3	5.6	22.8
5	Kochia	11.4	2.2	19.4	0.1	1.2	5.0	17.1
6	Stinkweed	12.9	1.4	11.1	0.1	0.8	3.0	14.5
7	Canada thistle	8.6	1.3	15.0	0.2	2.6	7.4	14.3
8	Redroot pigweed	5.7	1.4	25.0	0.1	2.0	4.4	10.6
9	Field peas	4.3	1.1	26.7	0.1	2.4	6.8	8.6
10	Russian thistle	5.7	0.9	16.3	0.1	1.5	3.0	8.2
11	Flixweed	7.1	0.6	8.0	< 0.1	0.4	1.0	6.5
12	Lamb's-quarters	5.7	0.5	8.8	0.1	1.1	2.4	6.3
13	Foxtail barley	7.1	0.4	5.0	< 0.1	0.2	0.2	5.6
14	Thyme-leaved spurge	5.7	0.3	5.0	< 0.1	0.2	0.2	4.5
15	Prickly lettuce	2.9	0.3	10.0	< 0.1	0.5	0.6	2.9
16	Dandelion	2.9	0.2	7.5	< 0.1	0.4	0.6	2.6
17	Spring wheat/durum	2.9	0.2	7.5	< 0.1	0.3	0.4	2.5
18	Lentils	1.4	0.4	25.0	< 0.1	1.4	1.4	2.5
19	Cow cockle	2.9	0.1	5.0	< 0.1	0.2	0.2	2.2
20	American vetch	1.4	0.1	5.0	< 0.1	0.6	0.6	1.2
21	Common pepper-grass	1.4	0.1	5.0	< 0.1	0.2	0.2	1.1
22	Perennial sow-thistle	1.4	0.1	5.0	< 0.1	0.2	0.2	1.1
23	Alfalfa	1.4	0.1	5.0	< 0.1	0.2	0.2	1.1
24	Canary grass	1.4	0.1	5.0	< 0.1	0.2	0.2	1.1

Table 208. Canora in the East Central Extension Region (68 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	72.1	23.5	32.6	8.1	11.2	113.4	59.8
2	Canada thistle	69.1	22.5	32.6	2.8	4.0	18.2	38.1
3	Wild buckwheat	63.2	18.8	29.7	2.4	3.8	20.4	33.1
4	Green foxtail	48.5	13.0	26.8	3.1	6.4	69.8	29.3
5	Hemp-nettle	39.7	6.5	16.3	1.2	2.9	35.6	15.5
6	Cleavers	44.1	6.5	14.7	0.8	1.8	10.6	14.8
7	Field horsetail	38.2	6.2	16.2	0.9	2.3	10.2	14.1
8	Wild mustard	30.9	3.4	11.0	1.0	3.2	25.0	11.2
9	Perennial sow-thistle	22.1	4.6	21.0	0.4	2.0	8.4	8.6
10	Dandelion	25.0	3.8	15.0	0.3	1.2	4.4	7.9
11	Chickweed	16.2	3.9	24.1	0.6	3.5	12.2	7.6
12	Redroot pigweed	16.2	3.1	19.1	0.5	3.3	11.2	6.9
13	Lamb's-quarters	20.6	3.5	16.8	0.3	1.3	3.6	6.8
14	Pale smartweed	13.2	2.4	18.3	0.6	4.3	31.0	6.1
15	Night-flowering catchfly	7.4	2.1	29.0	0.3	3.9	13.4	3.8
16	Stinkweed	11.8	1.3	11.3	0.2	2.0	12.6	3.8
17	Flax	1.5	1.3	90.0	0.5	36.0	36.0	3.3
18	Spring wheat/durum	8.8	1.7	19.2	0.2	1.8	7.2	3.2
19	Yellow sweet-clover	2.9	1.9	65.0	0.4	12.2	16.2	3.2
20	Quack grass	10.3	1.0	9.3	0.2	1.7	5.4	3.0
21	Canola (Argentine)	7.4	1.5	20.0	0.1	1.8	6.0	2.8
22	Oats	2.9	1.3	45.0	0.3	11.2	16.0	2.7
23	Narrow-leaved hawk's-beard	7.4	1.2	16.0	0.1	1.8	6.4	2.6
24	Barley	8.8	0.8	9.2	0.1	0.9	2.4	2.3
25	Bluebur	4.4	0.7	15.0	< 0.1	0.9	1.2	1.3
26	Shepherd's-purse	4.4	0.3	6.7	< 0.1	0.6	1.2	1.0
27	Prostrate knotweed	4.4	0.3	6.7	< 0.1	0.5	0.8	1.0
28	Black medick	1.5	0.3	20.0	0.1	4.2	4.2	0.7
29	American dragonhead	2.9	0.1	5.0	< 0.1	0.6	0.8	0.6
30	Tumble pigweed	1.5	0.4	25.0	< 0.1	1.8	1.8	0.6
31	Russian thistle	2.9	0.1	5.0	< 0.1	0.2	0.2	0.6
32	Common groundsel	1.5	0.4	25.0	< 0.1	1.6	1.6	0.6
33	Foxtail barley	1.5	0.1	5.0	0.1	4.0	4.0	0.5
34	Bicknell's geranium	1.5	0.1	10.0	< 0.1	1.0	1.0	0.4
35	Round-leaved mallow	1.5	0.1	10.0	< 0.1	0.4	0.4	0.4
36	Milk-vetch species	1.5	0.1	5.0	< 0.1	1.0	1.0	0.3
37	Flixweed	1.5	0.1	5.0	< 0.1	0.8	0.8	0.3
38	Canada fleabane	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
39	Barnyard grass	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
40	Dog mustard	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Spiny annual sow-thistle	1.5	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 209. Kelvington in the East Central Extension Region (41 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Lamb's-quarters	39.0	8.0	20.6	4.2	10.7	153.6	43.5
2	Wild oats	56.1	15.1	27.0	2.1	3.8	33.6	38.5
3	Wild buckwheat	63.4	14.0	22.1	1.1	1.7	13.0	31.1
4	Canada thistle	80.5	11.8	14.7	0.6	0.7	3.0	28.4
5	Spring wheat/durum	19.5	7.6	38.8	1.2	6.3	20.6	19.0
6	Hemp-nettle	36.6	7.2	19.7	0.6	1.5	6.6	16.7
7	Field horsetail	29.3	6.0	20.4	0.8	2.8	11.8	16.2
8	Canola (Argentine)	22.0	4.8	21.7	1.0	4.8	37.2	15.5
9	Dandelion	39.0	6.0	15.3	0.3	0.9	5.0	14.4
10	Cleavers	31.7	3.5	11.2	0.2	0.7	4.6	10.1
11	Perennial sow-thistle	29.3	2.6	8.8	0.2	0.5	2.2	8.3
12	Green foxtail	12.2	2.3	19.0	0.3	2.1	8.2	6.0
13	Night-flowering catchfly	9.8	2.2	22.5	0.2	2.5	8.0	5.4
14	Pale smartweed	9.8	1.7	17.5	0.2	1.9	6.0	4.5
15	Shepherd's-purse	14.6	1.3	9.2	0.1	0.5	1.2	4.2
16	Black medick	12.2	1.3	11.0	0.1	0.9	2.0	4.0
17	Chickweed	12.2	1.3	11.0	0.1	0.8	1.8	3.9
18	Stinkweed	9.8	1.2	12.5	0.2	1.7	5.8	3.9
19	Barley	9.8	1.1	11.3	0.1	0.9	2.6	3.2
20	Wild mustard	7.3	1.0	13.3	0.1	0.9	1.4	2.6
21	Foxtail barley	9.8	0.7	7.5	< 0.1	0.4	0.8	2.5
22	Stork's-bill	2.4	0.9	35.0	0.2	6.8	6.8	2.4
23	Narrow-leaved hawk's-beard	9.8	0.6	6.3	< 0.1	0.3	0.6	2.4
24	Purslane speedwell	7.3	0.4	5.0	< 0.1	0.3	0.6	1.7
25	Flax	2.4	0.9	35.0	0.1	2.6	2.6	1.6
26	Bluebur	2.4	0.6	25.0	< 0.1	1.6	1.6	1.2
27	Quack grass	4.9	0.4	7.5	< 0.1	0.3	0.4	1.2
28	Broad-leaved plantain	4.9	0.2	5.0	< 0.1	0.3	0.4	1.1
29	Tansy	4.9	0.2	5.0	< 0.1	0.3	0.4	1.1
30	Red clover	2.4	0.2	10.0	< 0.1	0.8	0.8	0.8
31	Annual sow-thistle	2.4	0.2	10.0	< 0.1	0.6	0.6	0.7
32	Rough cinquefoil	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
33	American dragonhead	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
34	Slough grass	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
35	Black mustard	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
36	Wormseed mustard	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
37	Spiny annual sow-thistle	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Fowl-meadow grass	2.4	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 210. Saskatoon in the East Central Extension Region (81 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	71.6	31.2	43.5	24.2	33.8	323.4	98.7
2	Wild oats	53.1	16.7	31.4	3.4	6.3	77.8	33.8
3	Wild buckwheat	54.3	19.3	35.6	2.3	4.2	29.0	33.8
4	Canada thistle	50.6	12.5	24.6	1.6	3.2	21.4	25.7
5	Russian thistle	27.2	9.9	36.6	3.1	11.3	58.8	21.6
6	Lamb's-quarters	24.7	5.3	21.5	1.7	7.0	113.2	14.1
7	Redroot pigweed	14.8	2.3	15.8	1.8	11.9	121.8	9.4
8	Stinkweed	17.3	3.6	21.1	0.5	3.1	25.8	8.2
9	Kochia	9.9	2.7	26.9	0.7	7.3	31.4	6.1
10	Field horsetail	2.5	1.4	55.0	1.2	47.3	93.0	4.4
11	Spring wheat/durum	9.9	1.6	16.3	0.2	2.4	12.6	4.1
12	Quack grass	7.4	1.9	25.0	0.3	4.2	13.2	4.0
13	Rose species	7.4	0.7	10.0	0.1	1.6	4.2	2.6
14	Flax	2.5	1.3	52.5	0.4	15.9	30.4	2.6
15	Perennial sow-thistle	7.4	0.6	8.3	0.1	1.0	4.4	2.4
16	Barnyard grass	4.9	0.6	12.5	0.3	5.3	18.6	2.2
17	Oats	1.2	0.9	70.0	0.5	42.8	42.8	2.2
18	Scouring-rush	4.9	0.8	16.3	0.1	1.6	3.8	2.0
19	Cow cockle	4.9	0.7	13.8	0.1	1.2	2.6	1.8
20	Wild tomato	4.9	0.6	12.5	< 0.1	0.9	1.2	1.7
21	Wild mustard	4.9	0.6	12.5	< 0.1	0.6	1.2	1.7
22	Prostrate knotweed	4.9	0.6	12.5	< 0.1	0.6	0.8	1.7
23	Cleavers	3.7	0.5	13.3	< 0.1	1.1	2.4	1.4
24	Barley	3.7	0.4	11.7	< 0.1	1.0	2.6	1.3
25	Bluebur	3.7	0.3	8.3	< 0.1	1.2	2.6	1.2
26	Pale smartweed	3.7	0.3	8.3	< 0.1	0.5	1.2	1.1
27	Dandelion	3.7	0.2	6.7	< 0.1	0.3	0.4	1.1
28	Round-leaved mallow	3.7	0.2	5.0	< 0.1	0.3	0.4	1.0
29	Spiny annual sow-thistle	2.5	0.3	12.5	< 0.1	0.8	0.8	0.9
30	Shepherd's-purse	2.5	0.2	7.5	< 0.1	0.6	1.0	0.8
31	Striate knotweed	2.5	0.2	7.5	< 0.1	0.5	0.8	0.7
32	Flixweed	2.5	0.1	5.0	< 0.1	1.3	2.4	0.7
33	Persian darnel	1.2	0.2	15.0	< 0.1	3.4	3.4	0.5
34	Thyme-leaved spurge	1.2	0.2	15.0	< 0.1	1.6	1.6	0.5
35	Annual sow-thistle	1.2	0.2	15.0	< 0.1	0.6	0.6	0.5
36	Canola (Argentine)	1.2	0.2	15.0	< 0.1	0.6	0.6	0.5
37	Witch grass	1.2	0.1	10.0	< 0.1	1.4	1.4	0.4
38	Prostrate pigweed	1.2	0.1	10.0	< 0.1	0.4	0.4	0.4
39	Narrow-leaved hawk's-beard	1.2	0.1	5.0	< 0.1	0.4	0.4	0.3
40	Foxtail barley	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
41	Night-flowering catchfly	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
42	Chickweed	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
43	Hemp-nettle	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
44	Common pepper-grass	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Water smartweed	1.2	0.1	5.0	< 0.1	0.2	0.2	0.3



Table 211. Watrous in the East Central Extension Region (48 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	52.1	23.3	44.8	13.3	25.5	308.6	81.0
2	Wild oats	58.3	20.2	34.6	2.7	4.7	36.6	38.4
3	Wild buckwheat	64.6	20.4	31.6	1.7	2.7	10.4	35.8
4	Canada thistle	58.3	10.7	18.4	1.1	1.8	12.8	24.4
5	Canola (Argentine)	20.8	5.3	25.5	2.2	10.6	84.6	17.0
6	Kochia	20.8	4.2	20.0	0.3	1.5	4.8	8.7
7	Stinkweed	22.9	2.9	12.7	0.3	1.2	6.2	8.0
8	Lamb's-quarters	16.7	4.1	24.4	0.3	1.6	3.6	7.6
9	Russian thistle	20.8	2.5	12.0	0.3	1.3	4.0	7.2
10	Barnyard grass	10.4	3.5	34.0	0.4	4.2	16.6	6.6
11	Redroot pigweed	14.6	3.1	21.4	0.2	1.3	3.6	6.1
12	Dandelion	14.6	2.7	18.6	0.2	1.6	6.4	6.0
13	Spring wheat/durum	8.3	2.5	30.0	0.6	6.6	24.4	5.8
14	Shepherd's-purse	12.5	2.6	20.8	0.3	2.5	11.2	5.8
15	Wild mustard	10.4	2.1	20.0	0.1	1.2	2.2	4.2
16	Field horsetail	6.3	2.2	35.0	0.3	4.3	10.4	4.0
17	Round-leaved mallow	8.3	2.1	25.0	0.2	2.1	5.2	4.0
18	Narrow-leaved hawk's-beard	8.3	1.5	17.5	0.2	2.3	7.4	3.6
19	Flixweed	8.3	1.5	17.5	0.1	1.3	3.8	3.2
20	Perennial sow-thistle	8.3	0.6	7.5	0.1	0.8	1.8	2.4
21	Dog mustard	4.2	0.9	22.5	0.2	4.5	8.0	2.3
22	Cleavers	6.3	1.0	16.7	0.1	0.8	1.2	2.3
23	Thyme-leaved spurge	4.2	0.4	10.0	0.2	4.1	8.0	1.8
24	Flax	4.2	0.5	12.5	< 0.1	1.0	1.8	1.4
25	Night-flowering catchfly	2.1	0.8	40.0	0.1	2.4	2.4	1.3
26	Nodding thistle	2.1	0.7	35.0	< 0.1	2.2	2.2	1.2
27	Cow cockle	2.1	0.7	35.0	< 0.1	2.0	2.0	1.2
28	Pygmyflower	2.1	0.5	25.0	0.1	3.0	3.0	1.1
29	Quack grass	4.2	0.2	5.0	< 0.1	0.3	0.4	1.0
30	Pale smartweed	4.2	0.2	5.0	< 0.1	0.2	0.2	1.0
31	Persian darnel	2.1	0.4	20.0	< 0.1	1.2	1.2	0.8
32	Common groundsel	2.1	0.2	10.0	< 0.1	0.4	0.4	0.6
33	Spiny annual sow-thistle	2.1	0.1	5.0	< 0.1	0.6	0.6	0.5
34	Common pepper-grass	2.1	0.1	5.0	< 0.1	0.4	0.4	0.5
35	Bluebur	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
36	Prostrate knotweed	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
37	Broad-leaved plantain	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
38	Corn spurry	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
39	Wild tomato	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5
40	Biennial wormwood	2.1	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 212. Wynyard in the East Central Extension Region (74 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	70.3	33.2	47.3	18.2	25.9	236.8	76.0
2	Wild oats	70.3	28.2	40.1	5.8	8.2	49.4	43.0
3	Wild buckwheat	54.1	18.5	34.3	2.3	4.2	47.6	26.0
4	Canada thistle	51.4	10.8	21.1	1.4	2.8	22.0	18.7
5	Lamb's-quarters	36.5	7.4	20.2	0.9	2.4	20.4	12.8
6	Spring wheat/durum	16.2	6.6	40.8	1.4	8.9	51.8	10.3
7	Redroot pigweed	18.9	5.8	30.7	1.0	5.5	29.6	9.3
8	Perennial sow-thistle	17.6	6.3	35.8	0.8	4.7	21.8	8.8
9	Flax	4.1	1.6	38.3	2.2	54.8	161.6	7.0
10	Shepherd's-purse	16.2	3.6	22.1	0.5	3.3	17.2	6.2
11	Dandelion	13.5	3.2	24.0	0.5	3.8	26.8	5.5
12	Russian thistle	10.8	3.3	30.6	0.5	4.2	8.8	4.9
13	Wild mustard	12.2	2.6	21.7	0.5	3.8	15.2	4.8
14	Hemp-nettle	12.2	2.4	19.4	0.5	3.8	14.2	4.6
15	Kochia	5.4	3.4	63.8	0.6	10.5	22.2	4.4
16	Cleavers	13.5	2.2	16.5	0.3	2.2	6.0	4.4
17	Canola (Argentine)	8.1	2.0	25.0	0.7	8.1	32.8	4.2
18	Night-flowering catchfly	12.2	1.8	14.4	0.3	2.8	8.0	4.0
19	Pale smartweed	12.2	1.1	9.4	0.4	3.0	12.0	3.6
20	Quack grass	9.5	1.4	15.0	0.2	2.5	4.2	3.0
21	Persian darnel	8.1	1.1	13.3	0.4	5.0	22.4	3.0
22	Black medick	8.1	1.5	18.3	0.3	3.7	7.8	3.0
23	Chickweed	4.1	1.9	46.7	0.4	10.7	17.0	2.9
24	Biennial wormwood	8.1	0.7	9.2	0.1	1.2	3.6	2.1
25	Annual sow-thistle	6.8	1.0	15.0	0.1	1.4	2.8	2.0
26	Prostrate knotweed	5.4	0.8	15.0	0.1	1.6	3.6	1.6
27	Field horsetail	6.8	0.4	6.0	0.1	0.9	2.6	1.5
28	Spiny annual sow-thistle	5.4	0.7	12.5	0.1	1.3	1.8	1.5
29	Downy brome	2.7	0.9	32.5	0.1	4.7	4.8	1.3
30	White mustard	2.7	0.9	32.5	0.1	2.8	5.0	1.2
31	Stinkweed	4.1	0.5	13.3	< 0.1	0.7	1.0	1.1
32	Canary grass	1.4	0.8	60.0	0.1	11.0	11.0	1.1
33	Barnyard grass	4.1	0.4	10.0	< 0.1	1.0	1.6	1.0
34	Bluebur	4.1	0.3	8.3	< 0.1	0.9	1.0	1.0
35	Narrow-leaved hawk's-beard	4.1	0.3	8.3	< 0.1	0.7	0.8	1.0
36	Oats	1.4	0.6	45.0	0.1	10.6	10.6	0.9
37	Round-leaved mallow	2.7	0.5	17.5	0.1	2.1	3.6	0.9
38	Flixweed	4.1	0.3	6.7	< 0.1	0.3	0.4	0.9
39	Foxtail barley	2.7	0.5	17.5	< 0.1	1.4	2.2	0.8
40	Barley	2.7	0.5	17.5	< 0.1	1.4	1.6	0.8
41	Pineappleweed	2.7	0.4	15.0	< 0.1	0.6	1.0	0.7
42	Smooth brome	2.7	0.3	12.5	< 0.1	1.2	1.6	0.7
43	Prickly lettuce	2.7	0.2	7.5	< 0.1	1.7	3.2	0.7
44	Prostrate pigweed	2.7	0.2	7.5	< 0.1	1.0	1.6	0.6
45	Scentless chamomile	1.4	0.5	35.0	< 0.1	1.8	1.8	0.6
46	Purslane speedwell	2.7	0.1	5.0	< 0.1	0.4	0.6	0.6
47	Wormseed mustard	2.7	0.1	5.0	< 0.1	0.2	0.2	0.6
48	American dragonhead	1.4	0.1	10.0	0.1	7.2	7.2	0.5
49	Red clover	1.4	0.4	30.0	< 0.1	1.4	1.4	0.5
50	Dog mustard	1.4	0.3	20.0	< 0.1	0.8	0.8	0.4
51	Povertyweed	1.4	0.3	20.0	< 0.1	0.8	0.8	0.4
52	Aspen poplar	1.4	0.1	10.0	< 0.1	0.4	0.4	0.3

(Table continued on next page)

Table 212. Wynyard in the East Central Extension Region (74 fields) *(continued)*

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Toad rush	1.4	0.1	5.0	< 0.1	0.8	0.8	0.3
54	Goat's-beard	1.4	0.1	5.0	< 0.1	0.4	0.4	0.3
55	Tall hedge mustard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
56	Tumble pigweed	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
57	Broad-leaved plantain	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
58	Thyme-leaved spurge	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3
59	Fall rye	1.4	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 213. Yorkton in the East Central Extension Region (87 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.3	16.0	33.1	7.0	14.5	97.4	66.3
2	Wild oats	64.4	20.9	32.5	3.6	5.6	52.8	58.5
3	Canada thistle	50.6	9.5	18.8	1.0	1.9	8.6	28.5
4	Lamb's-quarters	21.8	4.9	22.4	3.0	13.6	204.6	26.3
5	Wild buckwheat	43.7	8.4	19.3	1.0	2.2	19.4	25.5
6	Redroot pigweed	20.7	3.4	16.7	0.8	3.8	27.0	13.2
7	Barley	13.8	2.6	18.8	0.4	2.8	8.2	8.4
8	Spring wheat/durum	9.2	3.0	33.1	0.4	4.6	14.8	7.9
9	Dandelion	16.1	1.7	10.7	0.2	1.1	4.4	6.9
10	Field horsetail	6.9	2.1	30.8	0.4	5.7	13.8	6.2
11	Wild mustard	8.0	1.4	17.9	0.2	2.2	9.4	4.6
12	Cleavers	8.0	1.0	12.1	0.1	1.7	9.4	3.8
13	Pale smartweed	6.9	1.2	17.5	0.1	1.8	5.8	3.7
14	Perennial sow-thistle	9.2	0.6	6.9	< 0.1	0.3	0.6	3.2
15	Night-flowering catchfly	4.6	1.0	21.3	0.1	2.6	5.4	2.9
16	Russian thistle	5.7	0.9	16.0	< 0.1	0.8	1.4	2.7
17	Hemp-nettle	5.7	0.6	11.0	0.1	1.4	2.2	2.6
18	Flax	4.6	0.8	17.5	0.1	1.7	3.6	2.5
19	Round-leaved mallow	5.7	0.6	10.0	0.1	1.0	3.6	2.4
20	Wormseed mustard	2.3	0.7	30.0	0.1	6.3	8.2	2.1
21	Coriander	1.1	1.0	85.0	0.1	11.8	11.8	2.1
22	Shepherd's-purse	4.6	0.6	12.5	< 0.1	0.9	2.6	2.0
23	Chickweed	1.1	0.5	40.0	0.2	16.4	16.4	1.8
24	Black medick	3.4	0.3	8.3	0.1	2.9	7.6	1.7
25	Annual sow-thistle	3.4	0.4	11.7	0.1	1.7	3.4	1.6
26	Stinkweed	3.4	0.2	6.7	< 0.1	0.5	1.0	1.2
27	Borage	1.1	0.5	45.0	0.1	5.0	5.0	1.2
28	Prostrate knotweed	3.4	0.2	5.0	< 0.1	0.4	0.8	1.1
29	Kochia	1.1	0.5	40.0	< 0.1	2.6	2.6	1.0
30	Bluebur	2.3	0.2	10.0	< 0.1	1.1	1.4	1.0
31	Flixweed	2.3	0.2	7.5	< 0.1	0.4	0.6	0.8
32	Narrow-leaved hawk's-beard	2.3	0.2	7.5	< 0.1	0.3	0.4	0.8
33	Quack grass	2.3	0.1	5.0	< 0.1	0.2	0.2	0.7
34	Barnyard grass	1.1	0.2	15.0	< 0.1	2.8	2.8	0.6
35	American dragonhead	1.1	0.2	15.0	< 0.1	1.4	1.4	0.6
36	Spiny annual sow-thistle	1.1	0.2	15.0	< 0.1	0.6	0.6	0.5
37	Persian darnel	1.1	0.1	10.0	< 0.1	1.6	1.6	0.5
38	Purslane speedwell	1.1	0.1	10.0	< 0.1	1.0	1.0	0.5
39	Absinth	1.1	0.1	10.0	< 0.1	0.4	0.4	0.4
40	Broad-leaved plantain	1.1	0.1	5.0	< 0.1	0.8	0.8	0.4
41	Biennial wormwood	1.1	0.1	5.0	< 0.1	0.8	0.8	0.4
42	Rayless aster	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
43	Scentless chamomile	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
44	Oats	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 214. Assiniboia in the South West Extension Region (95 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	70.5	37.1	52.6	21.7	30.7	322.6	96.8
2	Wild oats	68.4	20.1	29.4	4.9	7.2	107.6	42.0
3	Wild buckwheat	52.6	10.6	20.1	1.4	2.7	50.0	22.7
4	Stinkweed	31.6	10.1	31.8	2.9	9.2	103.8	21.6
5	Kochia	43.2	8.2	19.0	2.0	4.7	64.2	20.3
6	Redroot pigweed	38.9	5.5	14.1	0.6	1.6	16.6	13.9
7	Barnyard grass	25.3	4.6	18.3	1.3	5.1	59.6	12.0
8	Russian thistle	22.1	4.9	22.4	0.7	3.3	18.2	10.3
9	Spring wheat/durum	13.7	4.6	33.5	0.6	4.4	17.6	7.9
10	Cow cockle	13.7	4.5	33.1	0.5	4.0	17.2	7.7
11	Lamb's-quarters	15.8	2.4	15.3	0.2	1.3	7.4	5.7
12	Foxtail barley	8.4	1.7	20.0	1.0	12.3	96.0	5.6
13	White mustard	5.3	2.8	53.0	0.7	12.9	45.4	4.9
14	Tumble pigweed	2.1	1.5	70.0	0.8	39.8	43.8	3.6
15	Persian darnel	9.5	1.4	14.4	0.1	1.1	3.6	3.3
16	Flixweed	10.5	0.8	7.5	< 0.1	0.4	1.0	2.9
17	Prickly lettuce	9.5	0.6	6.1	0.1	0.6	2.2	2.5
18	Flax	4.2	0.9	22.5	0.1	1.9	4.0	1.8
19	Canada thistle	2.1	0.8	37.5	0.2	7.8	15.4	1.5
20	Field peas	3.2	0.8	25.0	0.1	1.8	4.8	1.4
21	Common pepper-grass	3.2	0.5	15.0	0.1	4.3	11.8	1.4
22	Dandelion	4.2	0.4	10.0	< 0.1	0.5	0.8	1.3
23	Wild mustard	3.2	0.6	18.3	0.1	1.7	3.0	1.2
24	Canada fleabane	3.2	0.4	13.3	< 0.1	0.8	1.4	1.0
25	Curled dock	3.2	0.3	8.3	< 0.1	0.9	1.8	0.9
26	Round-leaved mallow	2.1	0.3	12.5	0.1	4.6	8.8	0.9
27	Wood-sorrel species	1.1	0.2	15.0	0.2	19.4	19.4	0.8
28	Field horsetail	1.1	0.2	20.0	0.1	5.6	5.6	0.5
29	Chickpeas	1.1	0.3	30.0	< 0.1	1.6	1.6	0.5
30	Pale smartweed	1.1	0.1	10.0	< 0.1	1.6	1.6	0.3
31	Unknown broad-leaved species	1.1	0.1	5.0	< 0.1	0.6	0.6	0.3
32	Field bindweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
33	Prairie coneflower	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
34	Tumble mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
35	Prostrate pigweed	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
36	Rose species	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
37	Sunflower	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
38	Alfalfa	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
39	Canola (Argentine)	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
40	Canola (Polish)	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3

Table 215. Maple Creek in the South West Extension Region (19 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	42.1	18.2	43.1	5.9	14.0	57.4	121.4
2	Russian thistle	36.8	5.8	15.7	0.4	1.1	3.8	33.6
3	Stinkweed	15.8	3.7	23.3	0.8	5.3	14.6	24.2
4	Spring wheat/durum	5.3	4.7	90.0	0.9	16.8	16.8	22.0
5	Kochia	21.1	3.7	17.5	0.2	0.8	1.2	19.2
6	Green foxtail	26.3	2.4	9.0	0.2	0.7	1.8	19.1
7	Wild buckwheat	21.1	2.6	12.5	0.3	1.4	3.8	18.3
8	Cow cockle	10.5	3.7	35.0	0.3	2.7	5.0	15.7
9	Redroot pigweed	10.5	0.5	5.0	< 0.1	0.3	0.4	6.3
10	Wild mustard	5.3	0.5	10.0	0.1	2.6	2.6	5.0
11	Thyme-leaved spurge	5.3	0.8	15.0	< 0.1	0.8	0.8	4.5
12	Round-leaved mallow	5.3	0.5	10.0	< 0.1	0.4	0.4	3.8
13	Green tansy mustard	5.3	0.5	10.0	< 0.1	0.4	0.4	3.8
14	Foxtail barley	5.3	0.3	5.0	< 0.1	0.2	0.2	3.1

Table 216. Moose Jaw in the South West Extension Region (88 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	52.3	23.4	44.7	8.5	16.3	96.2	85.4
2	Wild oats	54.5	21.4	39.3	4.6	8.4	75.6	62.9
3	Kochia	42.0	10.6	25.1	1.4	3.3	23.8	30.6
4	Wild buckwheat	38.6	8.8	22.8	1.1	2.8	39.2	26.2
5	Redroot pigweed	33.0	5.7	17.2	0.5	1.4	11.2	17.9
6	Stinkweed	18.2	3.7	20.3	0.7	3.6	19.6	12.6
7	Canada thistle	20.5	1.8	8.6	0.2	0.9	4.0	8.7
8	Wild mustard	4.5	3.1	67.5	0.5	10.7	26.8	7.2
9	Foxtail barley	14.8	1.8	11.9	0.1	0.8	7.0	6.7
10	Dandelion	6.8	2.6	37.5	0.2	2.4	4.8	5.6
11	Russian thistle	6.8	1.5	21.7	0.1	1.4	3.4	4.0
12	Lamb's-quarters	6.8	1.3	18.3	0.1	1.0	2.6	3.6
13	Round-leaved mallow	2.3	1.1	47.5	0.3	14.8	28.4	3.6
14	Prickly lettuce	6.8	0.6	9.2	0.1	0.9	2.8	2.9
15	Barnyard grass	4.5	0.9	18.8	0.1	2.1	3.6	2.7
16	Persian darnel	2.3	0.8	35.0	0.2	9.4	18.6	2.6
17	Spring wheat/durum	5.7	0.6	11.0	< 0.1	0.6	1.2	2.4
18	Flixweed	4.5	0.4	8.8	< 0.1	0.6	1.2	1.8
19	Field bindweed	2.3	0.8	35.0	< 0.1	1.8	3.4	1.7
20	Canada fleabane	3.4	0.4	11.7	< 0.1	0.6	1.4	1.5
21	Tumble pigweed	3.4	0.2	6.7	< 0.1	0.3	0.4	1.3
22	Prostrate pigweed	2.3	0.3	15.0	< 0.1	0.6	1.0	1.1
23	Thyme-leaved spurge	2.3	0.2	7.5	< 0.1	0.3	0.4	0.9
24	Cow cockle	2.3	0.1	5.0	< 0.1	0.2	0.2	0.8
25	Biennial wormwood	2.3	0.1	5.0	< 0.1	0.2	0.2	0.8
26	Barley	1.1	0.2	20.0	< 0.1	2.4	2.4	0.7
27	Rough cinquefoil	1.1	0.1	5.0	< 0.1	1.6	1.6	0.5
28	Common pepper-grass	1.1	0.1	10.0	< 0.1	0.4	0.4	0.5
29	Field peas	1.1	0.1	10.0	< 0.1	0.4	0.4	0.5
30	Goat's-beard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
31	Tumble mustard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Annual sow-thistle	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
33	American vetch	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
34	Alfalfa	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
35	Lentils	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 217. Shaunavon in the South West Extension Region (72 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	25.0	12.4	49.4	11.5	46.0	520.0	49.6
2	Stinkweed	37.5	13.1	34.8	7.8	20.8	198.0	43.2
3	Wild buckwheat	55.6	15.3	27.5	2.2	4.0	40.6	34.2
4	Redroot pigweed	37.5	9.7	25.9	3.6	9.7	128.0	28.4
5	Wild oats	50.0	10.0	20.0	1.3	2.6	16.0	25.4
6	Russian thistle	25.0	8.1	32.5	3.0	12.2	113.4	22.2
7	Kochia	38.9	8.2	21.1	1.0	2.6	31.0	20.0
8	Persian darnel	12.5	4.6	36.7	1.6	12.5	39.8	11.7
9	Lamb's-quarters	22.2	3.8	16.9	0.9	4.0	52.4	11.4
10	Cow cockle	15.3	4.8	31.4	1.0	6.3	30.4	10.9
11	Spring wheat/durum	11.1	4.4	40.0	0.5	4.8	10.0	8.4
12	Flixweed	19.4	3.1	15.7	0.2	0.8	2.2	8.1
13	Thyme-leaved spurge	5.6	1.9	35.0	0.6	10.2	38.4	4.8
14	Tumble mustard	8.3	1.7	20.8	0.1	1.7	6.6	4.1
15	Foxtail barley	8.3	0.6	7.5	< 0.1	0.3	0.6	2.7
16	Barnyard grass	4.2	0.8	20.0	0.3	6.5	18.4	2.6
17	Tumble pigweed	4.2	0.6	13.3	0.1	1.5	3.2	1.7
18	Field bindweed	1.4	0.4	30.0	0.3	20.8	20.8	1.5
19	Wild mustard	2.8	0.6	20.0	< 0.1	1.1	1.8	1.3
20	Prickly lettuce	2.8	0.3	10.0	< 0.1	0.6	1.0	1.0
21	Wild tomato	2.8	0.1	5.0	< 0.1	0.2	0.2	0.8
22	Spear-leaved goosefoot	1.4	0.2	15.0	< 0.1	0.8	0.8	0.6
23	Pygmyflower	1.4	0.2	15.0	< 0.1	0.6	0.6	0.6
24	American vetch	1.4	0.1	10.0	< 0.1	0.6	0.6	0.5
25	Cocklebur	1.4	0.1	10.0	< 0.1	0.4	0.4	0.5
26	Dandelion	1.4	0.1	10.0	< 0.1	0.4	0.4	0.5
27	Flax	1.4	0.1	10.0	< 0.1	0.4	0.4	0.5
28	Annual sow-thistle	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
29	Canada thistle	1.4	0.1	5.0	< 0.1	0.6	0.6	0.4
30	Rough cinquefoil	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
31	Canada fleabane	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Goat's-beard	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Small-leaved lamb's-quarters	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4
34	Oats	1.4	0.1	5.0	< 0.1	0.2	0.2	0.4



Table 218. Swift Current in the South West Extension Region (89 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	48.3	18.6	38.5	8.1	16.8	164.0	75.1
2	Wild oats	62.9	18.0	28.7	3.7	5.9	80.2	56.3
3	Wild buckwheat	48.3	10.7	22.2	1.2	2.5	36.4	31.4
4	Kochia	38.2	4.8	12.5	0.4	1.1	7.4	17.7
5	Stinkweed	29.2	4.6	15.6	0.6	1.9	11.4	15.8
6	Barnyard grass	6.7	2.4	35.8	1.4	21.2	67.6	11.7
7	Persian darnel	3.4	1.3	38.3	1.6	47.8	142.6	10.4
8	Russian thistle	14.6	3.1	21.2	0.3	2.3	9.4	9.1
9	Redroot pigweed	20.2	1.9	9.4	0.1	0.6	1.8	8.1
10	Lamb's-quarters	15.7	2.3	14.6	0.2	1.2	3.8	7.8
11	Spring wheat/durum	9.0	2.2	24.4	0.5	5.1	33.4	7.2
12	Cow cockle	11.2	2.3	20.5	0.2	1.9	5.4	6.7
13	Wild mustard	6.7	1.6	23.3	0.6	8.4	37.4	6.5
14	Lentils	5.6	2.4	42.0	0.2	4.0	11.6	5.4
15	Foxtail barley	13.5	1.0	7.5	< 0.1	0.4	1.0	5.0
16	White mustard	1.1	1.0	90.0	0.6	49.8	49.8	4.3
17	Flixweed	9.0	0.7	7.5	< 0.1	0.3	0.8	3.3
18	Canada thistle	6.7	0.6	8.3	0.1	0.8	1.8	2.7
19	Prickly lettuce	5.6	0.6	10.0	< 0.1	0.4	1.0	2.3
20	Canola (Argentine)	3.4	0.7	20.0	< 0.1	1.4	2.8	1.9
21	Round-leaved mallow	3.4	0.4	13.3	< 0.1	1.2	2.2	1.6
22	Dog mustard	1.1	0.6	50.0	0.1	6.0	6.0	1.3
23	Dandelion	3.4	0.2	6.7	< 0.1	0.4	0.8	1.2
24	Tumble mustard	3.4	0.2	6.7	< 0.1	0.3	0.4	1.2
25	Prostrate knotweed	2.2	0.3	15.0	< 0.1	1.3	1.6	1.1
26	American vetch	2.2	0.2	10.0	< 0.1	0.5	0.6	0.9
27	Chickpeas	1.1	0.2	20.0	< 0.1	2.2	2.2	0.7
28	Skeletonweed	1.1	0.1	10.0	< 0.1	1.8	1.8	0.5
29	Thyme-leaved spurge	1.1	0.1	10.0	< 0.1	1.4	1.4	0.5
30	Biennial wormwood	1.1	0.1	10.0	< 0.1	0.6	0.6	0.5
31	Downy brome	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Goat's-beard	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Purslane speedwell	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
34	Field peas	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
35	Canola (Polish)	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 219. Carnduff in the South East Extension Region (55 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	61.8	31.5	50.9	17.5	28.3	199.6	99.4
2	Wild buckwheat	63.6	17.9	28.1	1.5	2.4	11.8	33.7
3	Redroot pigweed	61.8	15.0	24.3	2.3	3.6	27.6	33.5
4	Flax	20.0	9.4	46.8	2.6	12.8	49.6	20.9
5	Barnyard grass	34.5	6.3	18.2	1.2	3.6	38.0	16.9
6	Lamb's-quarters	21.8	4.6	21.3	0.5	2.2	8.6	10.2
7	Kochia	23.6	3.8	16.2	0.4	1.8	5.8	9.7
8	Canada thistle	23.6	3.0	12.7	0.2	1.0	5.0	8.3
9	Wild oats	18.2	3.5	19.0	0.4	2.1	6.8	8.1
10	Spring wheat/durum	14.5	3.7	25.6	0.4	2.6	9.4	7.5
11	Stinkweed	18.2	3.2	17.5	0.3	1.4	5.0	7.4
12	Wild mustard	9.1	2.3	25.0	0.4	4.4	20.8	5.2
13	Thyme-leaved spurge	10.9	2.1	19.2	0.2	1.6	5.6	4.7
14	Flixweed	14.5	1.1	7.5	0.1	0.8	2.6	4.4
15	Night-flowering catchfly	7.3	1.5	21.3	0.3	3.5	12.0	3.7
16	Perennial sow-thistle	10.9	0.5	5.0	< 0.1	0.3	0.8	2.9
17	Yellow sweet-clover	5.5	1.3	23.3	0.2	3.0	8.4	2.8
18	Russian thistle	7.3	0.7	10.0	0.2	2.2	8.0	2.7
19	Foxtail barley	7.3	0.7	10.0	0.1	1.4	4.2	2.5
20	Bluebur	3.6	0.5	15.0	0.2	6.7	12.4	2.1
21	Biennial wormwood	3.6	0.7	20.0	0.1	2.8	5.4	1.7
22	Black medick	1.8	1.2	65.0	0.1	4.2	4.2	1.6
23	Canola (Argentine)	1.8	1.0	55.0	0.1	3.4	3.4	1.4
24	Cocklebur	1.8	0.8	45.0	0.1	4.4	4.4	1.3
25	Shepherd's-purse	3.6	0.5	12.5	< 0.1	0.9	1.0	1.3
26	Dandelion	3.6	0.4	10.0	< 0.1	0.6	1.0	1.2
27	Round-leaved mallow	3.6	0.3	7.5	< 0.1	0.4	0.6	1.0
28	Quack grass	1.8	0.1	5.0	< 0.1	1.2	1.2	0.5
29	Annual sow-thistle	1.8	0.1	5.0	< 0.1	0.6	0.6	0.5
30	Chickweed	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
31	Cleavers	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
32	Prostrate pigweed	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
33	Pale smartweed	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
34	Corn spurry	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5
35	Sunflower	1.8	0.1	5.0	< 0.1	0.2	0.2	0.5

Table 220. Estevan in the South East Extension Region (65 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	73.8	33.7	45.6	13.7	18.6	88.4	93.9
2	Barnyard grass	53.8	11.7	21.7	4.8	9.0	227.8	38.9
3	Kochia	41.5	10.5	25.2	1.8	4.4	40.0	25.1
4	Wild oats	30.8	10.1	32.8	2.3	7.5	59.2	24.0
5	Wild buckwheat	55.4	8.4	15.1	0.6	1.0	5.6	21.8
6	Redroot pigweed	23.1	5.1	22.0	3.2	13.7	179.2	20.4
7	Canada thistle	30.8	3.5	11.5	0.3	1.0	5.4	11.0
8	Lamb's-quarters	9.2	3.4	36.7	1.3	13.9	56.2	9.5
9	Flax	7.7	3.2	42.0	0.8	10.6	34.0	7.5
10	Stinkweed	16.9	2.2	12.7	0.2	1.0	4.8	6.3
11	Spring wheat/durum	12.3	2.2	18.1	0.2	1.6	5.6	5.4
12	Russian thistle	15.4	1.5	10.0	0.2	1.2	7.4	5.4
13	Thyme-leaved spurge	12.3	0.9	7.5	< 0.1	0.4	0.6	3.7
14	Flixweed	9.2	1.4	15.0	0.1	0.8	1.4	3.6
15	Biennial wormwood	9.2	1.1	11.7	0.1	1.3	5.6	3.4
16	Dandelion	10.8	0.8	7.1	< 0.1	0.3	0.8	3.2
17	Foxtail barley	7.7	0.8	11.0	0.1	0.9	2.6	2.7
18	Bluebur	4.6	0.8	16.7	0.2	3.3	9.2	2.2
19	Perennial sow-thistle	6.2	0.5	8.8	< 0.1	0.7	1.6	2.0
20	Spiny annual sow-thistle	6.2	0.3	5.0	< 0.1	0.3	0.4	1.7
21	Wild mustard	4.6	0.6	13.3	< 0.1	0.5	1.0	1.7
22	Round-leaved mallow	3.1	0.2	7.5	< 0.1	0.9	1.4	1.0
23	Black medick	3.1	0.2	5.0	< 0.1	0.2	0.2	0.8
24	Shepherd's-purse	3.1	0.2	5.0	< 0.1	0.2	0.2	0.8
25	Narrow-leaved hawk's-beard	1.5	0.2	10.0	< 0.1	1.4	1.4	0.6
26	Canola (Argentine)	1.5	0.2	10.0	< 0.1	0.8	0.8	0.5
27	Curled dock	1.5	0.2	10.0	< 0.1	0.6	0.6	0.5
28	Annual sow-thistle	1.5	0.2	10.0	< 0.1	0.4	0.4	0.5
29	Unknown broad-leaved species	1.5	0.1	5.0	< 0.1	1.0	1.0	0.5
30	Field horsetail	1.5	0.1	5.0	< 0.1	0.8	0.8	0.4
31	Prostrate pigweed	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Sunflower	1.5	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 221. Indian Head in the South East Extension Region (78 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	42.3	14.9	35.2	15.1	35.8	254.2	82.5
2	Canada thistle	44.9	11.7	26.0	1.6	3.6	29.2	32.4
3	Spring wheat/durum	25.6	8.4	32.8	3.2	12.5	95.0	28.6
4	Wild buckwheat	43.6	6.5	14.9	0.6	1.3	8.6	21.9
5	Wild oats	20.5	6.7	32.5	1.1	5.3	24.4	17.6
6	Flixweed	7.7	2.4	31.7	3.5	46.0	141.0	17.4
7	Barnyard grass	19.2	4.7	24.7	0.5	2.7	13.2	12.9
8	Bluebur	10.3	2.6	25.0	0.9	8.4	43.8	9.0
9	Flax	9.0	3.2	35.7	0.4	4.2	12.6	7.7
10	Dandelion	15.4	1.8	11.7	0.1	0.7	3.8	6.8
11	Perennial sow-thistle	15.4	1.5	10.0	0.1	0.6	2.0	6.4
12	Round-leaved mallow	9.0	2.1	22.9	0.2	1.7	6.6	5.5
13	Stinkweed	10.3	1.6	15.6	0.1	1.4	3.0	5.3
14	Lamb's-quarters	10.3	1.2	11.9	0.1	0.6	1.8	4.5
15	Shepherd's-purse	9.0	1.3	14.3	0.1	1.4	4.0	4.5
16	Wild mustard	7.7	1.4	18.3	0.1	1.3	4.0	4.2
17	Redroot pigweed	7.7	0.7	9.2	0.1	1.4	3.8	3.3
18	Foxtail barley	6.4	0.6	10.0	0.1	1.2	4.2	2.8
19	Canola (Argentine)	2.6	0.9	35.0	0.1	5.5	10.0	2.3
20	Narrow-leaved hawk's-beard	2.6	0.8	30.0	0.1	5.5	9.4	2.1
21	Night-flowering catchfly	3.8	0.6	15.0	0.1	1.3	2.6	1.9
22	Absinth	2.6	0.6	25.0	0.1	3.3	6.4	1.8
23	Russian thistle	5.1	0.3	5.0	< 0.1	0.3	0.4	1.8
24	Persian darnel	3.8	0.3	8.3	< 0.1	1.2	3.0	1.6
25	Biennial wormwood	3.8	0.4	10.0	< 0.1	0.5	0.8	1.6
26	Canary grass	2.6	0.4	17.5	< 0.1	1.8	3.0	1.4
27	Kochia	3.8	0.2	5.0	< 0.1	0.7	1.8	1.4
28	Pale smartweed	2.6	0.4	15.0	< 0.1	1.7	1.8	1.3
29	Yellow foxtail	1.3	0.4	30.0	0.1	7.8	7.8	1.2
30	White cockle	2.6	0.3	12.5	< 0.1	0.5	0.6	1.1
31	Field horsetail	2.6	0.3	10.0	< 0.1	0.9	1.0	1.1
32	Annual sow-thistle	2.6	0.3	10.0	< 0.1	0.9	1.4	1.1
33	Quack grass	2.6	0.2	7.5	< 0.1	0.6	0.6	1.0
34	Smooth brome	1.3	0.4	30.0	< 0.1	3.6	3.6	1.0
35	Yellow sweet-clover	1.3	0.3	25.0	< 0.1	2.0	2.0	0.8
36	Spiny annual sow-thistle	1.3	0.2	15.0	< 0.1	0.8	0.8	0.6
37	Goat's-beard	1.3	0.1	10.0	< 0.1	0.4	0.4	0.5
38	Spear-leaved goosefoot	1.3	0.1	5.0	< 0.1	0.4	0.4	0.4
39	Prickly lettuce	1.3	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 222. Moosomin in the South East Extension Region (57 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	64.9	30.4	46.8	18.4	28.3	203.4	103.9
2	Wild buckwheat	64.9	16.4	25.3	1.2	1.9	8.8	32.0
3	Canada thistle	47.4	10.5	22.2	0.9	2.0	8.6	22.2
4	Barnyard grass	42.1	8.3	19.8	1.4	3.4	25.2	20.9
5	Lamb's-quarters	24.6	7.0	28.6	0.9	3.7	17.6	14.3
6	Wild mustard	31.6	5.7	18.1	0.6	1.8	8.6	13.4
7	Wild oats	15.8	5.4	33.9	1.3	8.4	19.0	12.6
8	Flax	12.3	5.0	40.7	0.9	7.7	18.4	10.2
9	Dandelion	22.8	4.2	18.5	0.4	1.6	8.6	9.7
10	Bluebur	21.1	2.9	13.8	0.5	2.2	7.0	8.5
11	Spring wheat/durum	12.3	3.2	25.7	0.5	3.7	15.2	6.9
12	Biennial wormwood	15.8	1.9	12.2	0.1	0.9	3.2	5.4
13	Stinkweed	12.3	1.8	15.0	0.4	3.0	16.4	5.4
14	Round-leaved mallow	12.3	2.2	17.9	0.2	2.0	8.4	5.3
15	Redroot pigweed	15.8	1.1	7.2	0.1	0.7	1.6	4.6
16	Cleavers	5.3	2.0	38.3	0.3	5.2	9.6	3.8
17	Russian thistle	10.5	0.9	8.3	0.2	1.4	5.4	3.5
18	Night-flowering catchfly	7.0	1.2	17.5	0.1	1.6	3.8	2.9
19	Perennial sow-thistle	8.8	0.6	7.0	< 0.1	0.4	0.8	2.5
20	Shepherd's-purse	5.3	0.8	15.0	< 0.1	0.9	1.6	1.9
21	Foxtail barley	5.3	0.4	8.3	0.1	1.0	2.2	1.7
22	Pale smartweed	3.5	0.4	10.0	< 0.1	1.2	2.2	1.2
23	Field peas	3.5	0.3	7.5	< 0.1	0.9	1.6	1.1
24	White clover	3.5	0.3	7.5	< 0.1	0.5	0.6	1.0
25	Cow cockle	1.8	0.5	30.0	< 0.1	2.2	2.2	1.0
26	Flixweed	3.5	0.2	5.0	< 0.1	0.2	0.2	0.9
27	Annual sow-thistle	1.8	0.2	10.0	< 0.1	0.6	0.6	0.6
28	American vetch	1.8	0.1	5.0	< 0.1	0.8	0.8	0.5
29	Spear-leaved goosefoot	1.8	0.1	5.0	< 0.1	0.4	0.4	0.5
30	Prostrate knotweed	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
31	Kochia	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Spiny annual sow-thistle	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Canola (Argentine)	1.8	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 223. Regina in the South East Extension Region (97 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	32.0	10.6	33.1	5.4	17.0	155.8	68.2
2	Wild oats	38.1	12.3	32.3	1.9	5.1	33.6	46.0
3	Canada thistle	46.4	8.4	18.0	0.9	2.0	16.4	34.9
4	Wild buckwheat	35.1	6.6	19.0	0.6	1.8	21.2	26.2
5	Redroot pigweed	21.6	4.3	19.8	0.7	3.0	35.4	18.5
6	Spring wheat/durum	8.2	3.4	40.6	0.7	8.1	31.8	12.9
7	Dandelion	11.3	2.9	25.5	0.4	3.1	21.8	10.8
8	Russian thistle	11.3	2.6	22.7	0.4	3.4	11.6	10.5
9	Flax	4.1	2.1	50.0	0.6	15.8	31.0	9.5
10	Perennial sow-thistle	11.3	1.1	9.5	0.1	1.3	8.6	6.4
11	Lamb's-quarters	5.2	1.4	27.0	0.2	4.7	20.6	5.6
12	Stinkweed	6.2	1.2	20.0	0.1	2.3	9.2	5.0
13	Kochia	10.3	0.6	6.0	< 0.1	0.4	1.0	4.5
14	Barnyard grass	10.3	0.6	5.5	< 0.1	0.4	1.2	4.5
15	Wild mustard	9.3	0.7	7.8	< 0.1	0.4	2.0	4.4
16	Bluebur	4.1	0.8	20.0	0.1	1.6	3.0	3.1
17	Shepherd's-purse	3.1	0.5	15.0	0.1	4.3	12.4	2.7
18	Round-leaved mallow	4.1	0.6	15.0	< 0.1	1.1	2.6	2.6
19	Prickly lettuce	5.2	0.5	9.0	< 0.1	0.6	1.8	2.6
20	Thyme-leaved spurge	5.2	0.4	8.0	< 0.1	0.4	0.8	2.4
21	Barley	3.1	0.7	21.7	< 0.1	1.5	4.0	2.4
22	Quack grass	2.1	0.3	15.0	0.1	5.8	11.4	2.1
23	Foxtail barley	4.1	0.4	8.8	< 0.1	0.4	0.6	2.0
24	Canola (Argentine)	3.1	0.3	8.3	< 0.1	0.3	0.6	1.5
25	Spiny annual sow-thistle	2.1	0.3	12.5	< 0.1	1.5	2.8	1.3
26	Canary grass	2.1	0.2	10.0	< 0.1	0.8	1.0	1.1
27	Flixweed	1.0	0.3	30.0	< 0.1	3.4	3.4	1.1
28	Field horsetail	1.0	0.2	20.0	< 0.1	4.8	4.8	1.0
29	Pale smartweed	1.0	0.2	20.0	< 0.1	1.6	1.6	0.8
30	Curled dock	1.0	0.2	15.0	< 0.1	1.0	1.0	0.6
31	Cleavers	1.0	0.2	15.0	< 0.1	0.8	0.8	0.6
32	Goat's-beard	1.0	0.1	10.0	< 0.1	0.4	0.4	0.5
33	Annual sow-thistle	1.0	0.1	10.0	< 0.1	0.4	0.4	0.5
34	Prostrate pigweed	1.0	0.1	5.0	< 0.1	0.8	0.8	0.5
35	Purslane speedwell	1.0	0.1	5.0	< 0.1	0.6	0.6	0.5
36	Scentless chamomile	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4
37	Cow cockle	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4
38	Black medick	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4
39	Common pepper-grass	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4
40	American vetch	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4
41	Biennial wormwood	1.0	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 224. Weyburn in the South East Extension Region (92 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	67.4	27.1	40.2	9.7	14.4	84.6	108.9
2	Wild oats	39.1	11.5	29.3	1.7	4.3	18.2	34.9
3	Kochia	35.9	7.1	19.7	1.0	2.7	36.2	24.4
4	Redroot pigweed	23.9	5.2	21.8	0.9	3.6	20.4	18.1
5	Wild buckwheat	27.2	3.3	12.2	0.3	1.0	9.0	13.2
6	Canada thistle	20.7	3.2	15.5	0.3	1.7	9.0	11.7
7	Stinkweed	17.4	2.6	14.7	0.5	3.2	31.0	11.2
8	Lamb's-quarters	8.7	3.5	40.0	0.7	8.5	38.8	11.0
9	Barnyard grass	17.4	2.6	15.0	0.3	1.8	6.4	9.9
10	Flax	9.8	3.2	32.2	0.5	5.0	14.0	9.5
11	Wild mustard	8.7	2.3	26.3	0.2	2.3	10.4	6.4
12	Russian thistle	5.4	1.4	26.0	0.2	3.0	5.2	4.2
13	Flixweed	3.3	1.1	33.3	0.3	10.0	28.4	4.2
14	Dandelion	9.8	0.8	7.8	< 0.1	0.4	1.0	3.9
15	Thyme-leaved spurge	7.6	0.8	10.0	0.1	0.7	3.0	3.4
16	Round-leaved mallow	7.6	0.5	6.4	0.1	0.7	2.8	3.0
17	Foxtail barley	6.5	0.5	7.5	< 0.1	0.6	1.6	2.6
18	Bluebur	4.3	0.8	18.8	0.1	1.5	3.4	2.6
19	Prickly lettuce	5.4	0.5	9.0	< 0.1	0.5	1.4	2.3
20	Curled dock	4.3	0.5	12.5	< 0.1	1.0	2.2	2.1
21	Black medick	2.2	0.7	30.0	0.1	2.7	3.2	1.8
22	Biennial wormwood	4.3	0.2	5.0	< 0.1	0.5	0.6	1.6
23	Pale smartweed	3.3	0.3	10.0	< 0.1	0.7	0.8	1.4
24	Spring wheat/durum	3.3	0.3	8.3	< 0.1	0.7	1.2	1.4
25	Perennial sow-thistle	3.3	0.2	5.0	< 0.1	0.2	0.2	1.2
26	Rose species	2.2	0.2	10.0	< 0.1	1.6	2.6	1.1
27	American vetch	1.1	0.4	35.0	< 0.1	2.6	2.6	0.9
28	Canada fleabane	2.2	0.2	7.5	< 0.1	0.6	0.8	0.9
29	Field bindweed	1.1	0.2	15.0	< 0.1	1.4	1.4	0.6
30	Cow cockle	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
31	Common pepper-grass	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
32	Barley	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4
33	Canola (Argentine)	1.1	0.1	5.0	< 0.1	0.2	0.2	0.4

Table 225. Provincial summary in 1995 (1178 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	53.4	22.2	41.6	9.0	16.8	487.8	50.4
2	Wild oats	67.4	19.8	29.3	5.2	7.6	248.0	39.1
3	Wild buckwheat	64.3	21.1	32.9	2.5	3.9	167.6	31.3
4	Stinkweed	40.6	10.9	26.7	2.7	6.8	348.2	21.8
5	Canada thistle	45.9	10.1	21.9	1.2	2.7	61.8	17.4
6	Lamb's-quarters	32.2	7.2	22.4	0.9	2.8	84.6	12.4
7	Perennial sow-thistle	31.8	6.9	21.7	0.8	2.5	39.8	11.8
8	Russian thistle	22.9	4.8	20.8	0.8	3.4	138.0	9.0
9	Wild mustard	20.5	4.8	23.7	0.6	2.7	37.4	8.0
10	Redroot pigweed	20.7	4.0	19.5	0.4	1.9	31.0	7.0
11	Shepherd's-purse	15.3	3.5	22.7	0.7	4.3	62.6	6.6
12	Canola	13.0	4.0	30.8	0.7	5.1	65.8	6.6
13	Kochia	15.2	2.9	18.9	0.3	2.3	29.0	5.2
14	Dandelion	18.3	2.6	14.4	0.2	1.0	15.6	5.1
15	Quack grass	10.2	1.9	19.0	0.6	5.6	175.6	4.6
16	Cleavers	9.7	2.6	27.1	0.4	4.1	74.4	4.4
17	Field horsetail	8.8	1.8	20.1	0.5	5.1	70.8	3.9
18	Thyme-leaved spurge	7.4	2.2	30.2	0.3	4.7	41.6	3.6
19	Spring wheat/durum	10.4	1.7	16.1	0.2	2.3	137.0	3.4
20	Cow cockle	7.8	1.7	21.1	0.2	3.1	30.2	3.0
21	Pale smartweed	10.9	1.4	12.9	0.1	1.1	9.0	2.9
22	Hemp-nettle	6.7	1.6	23.8	0.2	3.6	41.2	2.8
23	Chickweed	4.4	1.1	25.8	0.4	10.1	60.4	2.8
24	Flax	4.7	1.7	35.5	0.3	6.7	42.6	2.7
25	Persian darnel	4.2	0.9	21.9	0.4	10.6	243.6	2.6
26	Flixweed	9.5	1.1	11.6	0.1	0.8	10.0	2.4
27	Bluebur	8.0	1.0	12.0	0.1	1.3	40.0	2.2
28	Barnyard grass	3.3	0.6	18.2	0.3	8.6	224.8	1.8
29	Narrow-leaved hawk's-beard	5.9	0.7	11.9	0.1	1.3	14.8	1.6
30	Common groundsel	3.5	0.7	19.9	0.1	3.4	56.0	1.3
31	Night-flowering catchfly	3.6	0.8	21.5	0.1	2.7	46.0	1.3
32	Barley	3.3	0.7	20.9	0.1	2.9	23.4	1.3
33	Rose species	4.4	0.4	9.1	< 0.1	1.1	9.8	1.1
34	Stork's-bill	0.8	0.4	44.5	0.2	20.7	59.0	0.9
35	Prostrate knotweed	3.1	0.4	13.1	0.1	1.6	24.0	0.9
36	Corn spurry	1.2	0.2	20.7	0.2	13.5	148.6	0.8
37	Round-leaved mallow	2.8	0.4	15.0	< 0.1	1.4	6.8	0.8
38	Dog mustard	2.2	0.4	18.7	0.1	2.7	27.0	0.8
39	Prostrate pigweed	2.9	0.3	11.0	< 0.1	1.3	15.6	0.8
40	Canary grass	0.7	0.2	26.9	0.2	22.2	144.2	0.7
41	Absinth	1.5	0.5	31.9	< 0.1	1.9	5.4	0.6
42	Foxtail barley	2.4	0.3	10.9	< 0.1	1.2	9.6	0.6
43	Canada fleabane	2.4	0.2	10.0	< 0.1	0.7	4.2	0.6
44	Tumble pigweed	1.6	0.3	20.3	< 0.1	2.2	11.0	0.6
45	Annual sow-thistle	2.0	0.3	12.5	< 0.1	0.9	4.2	0.5
46	Biennial wormwood	2.1	0.2	10.6	< 0.1	0.9	5.6	0.5
47	Scentless chamomile	1.7	0.3	16.0	< 0.1	1.5	9.2	0.5
48	Field peas	1.7	0.3	16.0	< 0.1	1.0	4.4	0.5
49	Vetch species	2.0	0.2	9.1	< 0.1	0.7	2.0	0.5
50	Lentils	1.1	0.3	27.3	< 0.1	2.5	12.2	0.4
51	Yellow sweet-clover	1.1	0.2	14.6	< 0.1	4.1	48.8	0.4
52	Ball mustard	1.2	0.2	19.3	< 0.1	2.2	13.6	0.4

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Table 225. Provincial summary in 1995 (1178 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Wild tomato	1.9	0.1	7.7	< 0.1	0.5	2.6	0.4
54	Striate knotweed	1.5	0.1	9.2	< 0.1	0.4	2.0	0.3
55	Curled dock	1.1	0.2	15.8	< 0.1	1.0	5.2	0.3
56	Sunflower	0.8	0.1	15.5	< 0.1	2.1	11.8	0.3
57	Water smartweed	0.8	0.1	12.5	< 0.1	2.3	8.4	0.3
58	Broad-leaved plantain	0.9	0.1	13.2	< 0.1	1.1	4.4	0.3
59	Common pepper-grass	1.0	0.1	9.2	< 0.1	0.6	2.4	0.2
60	Alfalfa	0.9	0.1	10.0	< 0.1	0.5	1.4	0.2
61	Common milkweed	0.2	0.1	57.5	< 0.1	22.3	42.8	0.2
62	Pineappleweed	0.7	0.1	10.6	< 0.1	2.5	15.8	0.2
63	Clover species	0.8	0.1	9.0	< 0.1	0.7	4.2	0.2
64	Wood whitlow-grass	0.6	0.1	12.1	< 0.1	3.0	18.0	0.2
65	Fall rye	0.5	0.1	24.2	< 0.1	2.2	6.8	0.2
66	White mustard	0.3	0.1	36.3	< 0.1	3.9	12.8	0.2
67	Wormseed mustard	0.7	0.1	11.9	< 0.1	0.7	1.4	0.2
68	Black medick	0.7	< 0.1	6.3	< 0.1	0.3	0.8	0.1
69	Field violet	0.3	0.1	33.3	< 0.1	5.3	15.0	0.1
70	Rough cinquefoil	0.6	< 0.1	5.7	< 0.1	0.3	0.8	0.1
71	Peavine species	0.5	< 0.1	8.3	< 0.1	0.4	1.4	0.1
72	American stinging nettle	0.1	< 0.1	50.0	< 0.1	26.8	26.8	0.1
73	Milk-vetch species	0.3	0.1	15.0	< 0.1	1.4	3.6	0.1
74	American dragonhead	0.3	< 0.1	12.5	< 0.1	0.7	2.0	0.1
75	Green tansy mustard	0.4	< 0.1	6.0	< 0.1	0.2	0.4	0.1
76	Aspen poplar	0.3	< 0.1	11.3	< 0.1	0.7	1.2	0.1
77	Field bindweed	0.2	< 0.1	27.5	< 0.1	3.2	6.2	0.1
78	Povertyweed	0.2	< 0.1	15.0	< 0.1	5.2	8.8	0.1
79	Prickly lettuce	0.3	< 0.1	6.3	< 0.1	0.4	0.8	0.1
80	Black-eyed Susan	0.1	< 0.1	55.0	< 0.1	9.0	9.0	0.1
81	Goat's-beard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Purslane	0.3	< 0.1	8.3	< 0.1	1.1	3.0	0.1
83	Gray tansy mustard	0.3	< 0.1	10.0	< 0.1	0.7	1.0	0.1
84	Kentucky blue grass	0.1	0.1	60.0	< 0.1	4.6	4.6	0.1
85	Downy brome	0.3	< 0.1	8.3	< 0.1	0.3	0.4	0.1
86	Maple-leaved goosefoot	0.3	< 0.1	8.3	< 0.1	0.3	0.4	0.1
87	Yellow toadflax	0.3	< 0.1	6.7	< 0.1	0.5	1.2	0.1
88	Henbit	0.3	< 0.1	6.7	< 0.1	0.4	0.6	0.1
89	Nodding thistle	0.2	< 0.1	17.5	< 0.1	1.0	1.0	0.1
90	Fireweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
91	Slough grass	0.1	< 0.1	5.0	< 0.1	9.6	9.6	< 0.1
92	Borage	0.1	< 0.1	30.0	< 0.1	2.6	2.6	< 0.1
93	Russian pigweed	0.2	< 0.1	5.0	< 0.1	0.4	0.6	< 0.1
94	Diffuse knapweed	0.2	< 0.1	5.0	< 0.1	0.3	0.4	< 0.1
95	Prairie sunflower	0.2	< 0.1	5.0	< 0.1	0.3	0.4	< 0.1
96	Bicknell's geranium	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
97	Spear-leaved goosefoot	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
98	Tumble mustard	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
99	Common ragweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
100	Skeletonweed	0.2	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
101	Purslane speedwell	0.1	< 0.1	25.0	< 0.1	2.2	2.2	< 0.1
102	Caraway	0.1	< 0.1	20.0	< 0.1	2.6	2.6	< 0.1
103	Low cudweed	0.1	< 0.1	10.0	< 0.1	4.4	4.4	< 0.1
104	Oats	0.1	< 0.1	20.0	< 0.1	1.6	1.6	< 0.1

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Table 225. Provincial summary in 1995 (1178 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
105	Bladder campion	0.1	< 0.1	20.0	< 0.1	1.0	1.0	< 0.1
106	False ragweed	0.1	< 0.1	10.0	< 0.1	0.8	0.8	< 0.1
107	Field mint	0.1	< 0.1	5.0	< 0.1	1.8	1.8	< 0.1
108	Sedge species	0.1	< 0.1	10.0	< 0.1	0.6	0.6	< 0.1
109	Tansy	0.1	< 0.1	10.0	< 0.1	0.6	0.6	< 0.1
110	Common burdock	0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
111	Small-seeded false flax	0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
112	Manitoba maple	0.1	< 0.1	10.0	< 0.1	0.4	0.4	< 0.1
113	Aster species	0.1	< 0.1	5.0	< 0.1	0.8	0.8	< 0.1
114	Smooth brome	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
115	Blue lettuce	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
116	Eastern black nightshade	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
117	Field pepper-grass	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
118	Plains prickly-pear	0.1	< 0.1	5.0	< 0.1	0.4	0.4	< 0.1
119	Buffaloberry species	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
120	White cockle	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
121	Spreading dogbane	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
122	Short-awned foxtail	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
123	Gunweed	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
124	Leafy spurge	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
125	Vervain species	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
126	Purple vetchling	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
127	Sticky willowherb	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
128	Meadow rue species	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
129	Canada blue grass	0.1	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1

Table 226. Number of fields surveyed, density, species richness and weed-free quadrats in the surveyed ecoregions in 1995

Ecoregion	Number of Fields Surveyed	Density (number/m <sup>2</sup> )	Species (number/field)	Weed-free Quadrats (%)
Boreal Transition & Mid-Boreal Uplands	196	45.0	8	16.0
Aspen Parkland	384	29.6	7	18.2
Moist Mixed Grassland	319	31.6	6	25.6
Mixed Grassland & Cypress Uplands	279	26.3	5	34.9

Table 227. All fields in the Boreal Transition Ecoregion in 1995 (196 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Wild oats	74.0	28.0	37.9	7.2	9.7	248.0	39.2
2	Canada thistle	78.6	20.7	26.4	3.0	3.8	34.8	26.8
3	Stinkweed	43.9	13.8	31.5	5.2	11.8	348.2	23.9
4	Wild buckwheat	54.6	17.5	32.0	2.2	4.1	118.0	20.5
5	Lamb's-quarters	48.0	14.2	29.6	2.1	4.5	84.6	17.8
6	Green foxtail	23.5	7.1	30.1	5.1	21.7	487.8	17.8
7	Perennial sow-thistle	47.4	10.6	22.4	1.4	2.9	39.8	14.3
8	Shepherd's-purse	36.2	9.5	26.2	2.1	5.7	62.6	13.8
9	Field horsetail	37.2	8.5	22.9	1.9	5.2	70.8	13.2
10	Cleavers	37.2	9.8	26.3	1.6	4.3	74.4	13.1
11	Chickweed	20.9	5.4	25.7	2.3	11.2	60.4	10.5
12	Hemp-nettle	23.0	7.0	30.6	1.2	5.2	41.2	9.0
13	Canola	21.9	6.4	29.2	1.1	5.2	65.8	8.5
14	Dandelion	30.1	5.7	19.1	0.4	1.4	13.2	7.6
15	Pale smartweed	31.6	4.9	15.6	0.4	1.3	9.0	7.4
16	Wild mustard	21.4	5.7	26.5	0.8	3.8	34.4	7.3
17	Quack grass	19.9	3.8	19.2	0.9	4.7	50.4	6.5
18	Flax	10.2	3.9	38.3	0.6	5.8	22.6	4.5
19	Spring wheat/durum	11.7	2.1	18.3	0.8	6.9	137.0	4.3
20	Common groundsel	13.3	2.6	19.4	0.5	4.0	56.0	4.1
21	Stork's-bill	4.6	2.2	48.9	1.1	23.0	59.0	4.0
22	Bluebur	14.3	2.1	14.6	0.2	1.5	21.8	3.3
23	Corn spurry	4.6	1.3	28.3	0.9	20.2	148.6	3.3
24	Narrow-leaved hawk's-beard	10.7	1.0	9.8	0.1	0.6	5.8	2.0
25	Russian thistle	5.1	0.7	13.5	0.3	5.4	46.0	1.6
26	Barley	4.6	0.9	20.6	0.1	1.8	7.2	1.2
27	Annual sow-thistle	5.1	0.8	15.5	0.1	1.1	4.2	1.2
28	Common milkweed	0.5	0.5	100.0	0.2	42.8	42.8	0.8
29	Night-flowering catchfly	2.0	0.5	26.3	0.1	3.5	6.0	0.7
30	Barnyard grass	2.0	0.2	10.0	0.1	6.5	22.4	0.7
31	Prostrate knotweed	1.5	0.3	21.7	0.1	8.3	24.0	0.6
32	Ball mustard	3.1	0.3	10.8	< 0.1	1.1	3.0	0.6
33	Cow cockle	3.1	0.3	8.3	< 0.1	0.6	2.4	0.6
34	Alfalfa	2.6	0.4	14.0	< 0.1	0.6	1.4	0.5
35	Wood whitlow-grass	1.5	0.2	15.0	0.1	6.2	18.0	0.5
36	Peavine species	2.6	0.2	9.0	< 0.1	0.5	1.4	0.5
37	Field violet	0.5	0.5	90.0	0.1	15.0	15.0	0.5
38	Clover species	2.0	0.3	12.5	< 0.1	1.3	4.2	0.4
39	Pineappleweed	1.0	0.2	20.0	0.1	8.1	15.8	0.4
40	Persian darnel	1.5	0.2	11.7	0.1	3.5	9.0	0.4
41	Broad-leaved plantain	2.0	0.2	8.8	< 0.1	0.9	1.8	0.4
42	Field peas	1.5	0.3	20.0	< 0.1	0.9	2.4	0.4
43	Rose species	2.0	0.2	7.5	< 0.1	0.8	2.0	0.4
44	Wild tomato	2.0	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Wormseed mustard	1.5	0.2	11.7	< 0.1	0.6	1.4	0.3
46	Maple-leaved goosefoot	1.5	0.1	8.3	< 0.1	0.3	0.4	0.3
47	Dog mustard	1.0	0.2	20.0	< 0.1	1.5	2.8	0.3
48	Henbit	1.5	0.1	6.7	< 0.1	0.4	0.6	0.3
49	Yellow sweet-clover	1.5	0.1	6.7	< 0.1	0.3	0.4	0.3
50	Vetch species	1.5	0.1	5.0	< 0.1	0.4	0.6	0.2
51	Redroot pigweed	0.5	0.2	45.0	< 0.1	5.8	5.8	0.2
52	Canada fleabane	1.5	0.1	5.0	< 0.1	0.3	0.6	0.2

(Table continued on next page)

Table 227. All fields in the Boreal Transition Ecoregion in 1995 (196 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Water smartweed	1.0	0.1	10.0	< 0.1	1.7	2.4	0.2
54	Fall rye	0.5	0.2	40.0	< 0.1	3.0	3.0	0.2
55	Slough grass	0.5	< 0.1	5.0	< 0.1	9.6	9.6	0.2
56	Absinth	1.0	0.1	7.5	< 0.1	0.7	1.2	0.2
57	Flixweed	1.0	0.1	7.5	< 0.1	0.4	0.6	0.2
58	Sunflower	0.5	0.1	20.0	< 0.1	5.0	5.0	0.2
59	Borage	0.5	0.2	30.0	< 0.1	2.6	2.6	0.2
60	Kochia	1.0	0.1	5.0	< 0.1	0.3	0.4	0.2
61	Round-leaved mallow	1.0	0.1	5.0	< 0.1	0.2	0.2	0.2
62	Low cudweed	0.5	0.1	10.0	< 0.1	4.4	4.4	0.1
63	Bladder campion	0.5	0.1	20.0	< 0.1	1.0	1.0	0.1
64	Povertyweed	0.5	0.1	15.0	< 0.1	1.6	1.6	0.1
65	False ragweed	0.5	0.1	10.0	< 0.1	0.8	0.8	0.1
66	Field mint	0.5	< 0.1	5.0	< 0.1	1.8	1.8	0.1
67	Smooth brome	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
68	Eastern black nightshade	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
69	Canary grass	0.5	< 0.1	5.0	< 0.1	0.4	0.4	0.1
70	Foxtail barley	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Rough cinquefoil	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	American dragonhead	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 228. All fields in the Aspen Parkland Ecoregion in 1995 (384 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	64.1	26.0	40.5	8.0	12.6	219.8	50.7
2	Wild oats	62.8	18.9	30.1	4.6	7.3	244.4	34.8
3	Wild buckwheat	72.1	23.8	32.9	2.3	3.2	60.2	31.2
4	Canada thistle	67.2	15.6	23.2	1.8	2.7	61.8	24.2
5	Stinkweed	41.1	10.7	26.1	2.4	5.7	119.2	19.7
6	Perennial sow-thistle	51.8	13.1	25.3	1.5	2.8	27.4	19.5
7	Lamb's-quarters	37.8	8.9	23.6	1.0	2.6	33.2	13.6
8	Wild mustard	30.2	7.0	23.1	0.6	2.1	35.2	10.3
9	Shepherd's-purse	23.7	4.9	20.8	0.9	3.7	39.2	9.0
10	Quack grass	17.4	3.2	18.6	1.0	5.9	175.6	7.7
11	Russian thistle	23.2	4.6	20.1	0.4	1.9	11.6	7.3
12	Canola	14.8	4.4	29.9	0.8	5.1	41.0	7.1
13	Redroot pigweed	19.3	4.0	20.7	0.3	1.5	9.0	5.9
14	Dandelion	20.8	2.9	14.1	0.2	1.0	15.6	5.2
15	Flax	6.5	2.5	37.8	0.6	9.1	42.6	4.3
16	Cleavers	9.6	2.9	29.7	0.4	4.1	24.2	4.3
17	Night-flowering catchfly	8.1	1.8	22.4	0.2	3.0	46.0	2.9
18	Pale smartweed	12.2	1.3	10.3	0.1	0.8	5.6	2.7
19	Spring wheat/durum	8.3	1.7	20.9	0.1	1.8	11.8	2.6
20	Field horsetail	7.0	0.8	12.0	0.3	4.2	48.4	2.4
21	Hemp-nettle	8.1	1.2	15.2	0.1	1.4	8.6	2.2
22	Bluebur	9.9	0.9	9.3	0.1	0.6	3.8	2.1
23	Barley	5.2	1.3	24.8	0.2	3.1	14.8	2.0
24	Kochia	6.8	0.9	13.8	0.1	1.2	9.0	1.7
25	Narrow-leaved hawk's-beard	6.5	0.8	12.8	0.1	1.5	9.8	1.7
26	Thyme-leaved spurge	4.2	1.0	23.4	0.1	3.2	22.4	1.6
27	Dog mustard	4.9	0.9	17.6	0.1	1.9	11.6	1.5
28	Prostrate knotweed	5.7	0.7	12.5	0.1	1.1	6.8	1.4
29	Round-leaved mallow	4.4	0.9	19.7	0.1	1.9	6.8	1.4
30	Flixweed	5.5	0.8	13.8	< 0.1	0.9	4.0	1.3
31	Common groundsel	3.6	0.8	21.8	0.1	2.5	7.2	1.3
32	Rose species	5.5	0.5	9.5	< 0.1	0.8	4.4	1.2
33	Scentless chamomile	3.4	0.6	18.8	0.1	2.0	9.2	1.1
34	Chickweed	2.6	0.5	18.5	0.1	3.7	11.4	1.0
35	Yellow sweet-clover	1.3	0.3	26.0	0.1	10.1	48.8	0.8
36	Ball mustard	2.1	0.5	25.6	0.1	3.1	13.6	0.8
37	Cow cockle	3.1	0.4	12.1	< 0.1	0.8	2.4	0.7
38	Field peas	2.1	0.5	23.8	< 0.1	1.9	4.4	0.7
39	Biennial wormwood	2.6	0.3	12.5	< 0.1	0.9	2.4	0.6
40	Wild tomato	2.6	0.3	10.0	< 0.1	0.7	2.6	0.6
41	Persian darnel	1.6	0.3	17.5	0.1	3.3	9.2	0.5
42	Broad-leaved plantain	1.6	0.3	17.5	< 0.1	1.3	4.4	0.4
43	Foxtail barley	2.1	0.2	9.4	< 0.1	0.5	1.2	0.4
44	Vetch species	1.8	0.2	12.1	< 0.1	0.8	1.8	0.4
45	Canada fleabane	2.1	0.2	7.5	< 0.1	0.5	1.4	0.4
46	Barnyard grass	1.8	0.2	9.3	< 0.1	0.7	1.2	0.4
47	Black medick	2.1	0.1	6.3	< 0.1	0.3	0.8	0.4
48	American stinging nettle	0.3	0.1	50.0	0.1	26.8	26.8	0.3
49	Wormseed mustard	1.3	0.2	12.0	< 0.1	0.7	1.4	0.3
50	Absinth	0.8	0.2	28.3	< 0.1	1.5	3.0	0.3
51	Annual sow-thistle	1.0	0.2	15.0	< 0.1	1.0	2.0	0.3
52	Pineappleweed	1.3	0.1	8.0	< 0.1	0.6	1.6	0.3

(Table continued on next page)

Table 228. All fields in the Aspen Parkland Ecoregion in 1995 (384 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Corn spurry	1.0	0.1	7.5	< 0.1	1.8	4.2	0.2
54	Water smartweed	1.0	0.1	6.3	< 0.1	1.7	3.2	0.2
55	Aspen poplar	1.0	0.1	11.3	< 0.1	0.7	1.2	0.2
56	Wood whitlow-grass	1.0	0.1	10.0	< 0.1	0.7	1.2	0.2
57	Curled dock	1.0	0.1	10.0	< 0.1	0.6	1.4	0.2
58	White mustard	0.8	0.2	20.0	< 0.1	0.9	1.8	0.2
59	Field bindweed	0.5	0.1	27.5	< 0.1	3.2	6.2	0.2
60	Rough cinquefoil	1.0	0.1	6.3	< 0.1	0.4	0.8	0.2
61	Milk-vetch species	0.5	0.1	22.5	< 0.1	2.5	3.6	0.2
62	Clover species	1.0	0.1	5.0	< 0.1	0.3	0.4	0.2
63	Kentucky blue grass	0.3	0.2	60.0	< 0.1	4.6	4.6	0.2
64	Common pepper-grass	0.8	0.1	6.7	< 0.1	0.3	0.4	0.1
65	Striate knotweed	0.5	0.1	17.5	< 0.1	1.1	2.0	0.1
66	Alfalfa	0.8	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Purslane	0.5	0.1	10.0	< 0.1	1.6	3.0	0.1
68	Canary grass	0.5	0.1	10.0	< 0.1	0.5	0.6	0.1
69	Yellow toadflax	0.5	< 0.1	7.5	< 0.1	0.7	1.2	0.1
70	American dragonhead	0.3	0.1	35.0	< 0.1	2.0	2.0	0.1
71	Purslane speedwell	0.3	0.1	25.0	< 0.1	2.2	2.2	0.1
72	Fireweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Bicknell's geranium	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
74	Green tansy mustard	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
75	Tumble pigweed	0.5	< 0.1	5.0	< 0.1	0.2	0.2	0.1
76	Common milkweed	0.3	< 0.1	15.0	< 0.1	1.8	1.8	0.1
77	Tansy	0.3	< 0.1	10.0	< 0.1	0.6	0.6	0.1
78	Manitoba maple	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
79	Gray tansy mustard	0.3	< 0.1	5.0	< 0.1	1.0	1.0	0.1
80	Downy brome	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
81	White cockle	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
82	Spreading dogbane	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
83	Goat's-beard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
84	Prickly lettuce	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
85	Common ragweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
86	Stork's-bill	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
87	Sticky willowherb	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
88	Meadow rue species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1
89	Peavine species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	< 0.1

Table 229. All fields in the Moist Mixed Grassland Ecoregion in 1995 (319 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	60.5	27.8	45.9	12.7	21.0	313.6	69.9
2	Wild oats	65.8	17.3	26.3	4.5	6.8	175.0	37.3
3	Wild buckwheat	62.7	20.9	33.4	2.8	4.4	61.0	33.9
4	Stinkweed	42.3	11.4	26.9	2.1	5.0	92.2	21.8
5	Redroot pigweed	29.2	6.3	21.5	0.7	2.3	31.0	11.4
6	Russian thistle	25.1	5.9	23.4	0.9	3.5	67.0	11.1
7	Canada thistle	33.2	5.0	15.2	0.6	1.7	13.2	10.9
8	Lamb's-quarters	27.0	4.9	18.1	0.7	2.5	66.4	10.1
9	Canola	14.4	5.1	35.3	0.8	5.5	31.6	8.5
10	Wild mustard	18.8	4.5	23.8	0.6	3.1	37.4	8.2
11	Thyme-leaved spurge	12.9	4.7	36.8	0.8	6.4	41.6	8.1
12	Perennial sow-thistle	23.2	2.9	12.7	0.3	1.3	17.8	6.9
13	Kochia	19.1	3.5	18.4	0.3	1.8	12.2	6.8
14	Dandelion	15.7	1.9	12.0	0.1	0.8	8.2	4.4
15	Barnyard grass	4.7	1.3	27.0	0.8	17.3	224.8	4.3
16	Cow cockle	9.4	2.0	21.0	0.4	4.2	30.2	4.2
17	Spring wheat/durum	11.3	1.2	11.0	0.1	0.9	5.4	3.1
18	Persian darnel	4.7	1.0	20.3	0.4	9.5	75.0	2.9
19	Flixweed	9.1	1.1	12.1	0.1	0.7	2.0	2.5
20	Bluebur	6.3	0.9	14.8	0.2	2.6	40.0	2.2
21	Narrow-leaved hawk's-beard	6.6	0.9	13.3	0.1	1.9	14.8	2.1
22	Absinth	4.1	1.5	36.5	0.1	2.1	5.4	2.0
23	Quack grass	3.8	0.8	20.0	0.2	6.2	24.0	1.9
24	Shepherd's-purse	4.4	0.9	21.4	0.1	2.7	12.4	1.8
25	Rose species	6.0	0.6	10.5	0.1	1.7	9.8	1.8
26	Prostrate pigweed	4.7	0.6	13.3	0.1	2.1	15.6	1.5
27	Lentils	3.1	0.8	27.0	0.1	2.0	5.6	1.3
28	Pale smartweed	4.7	0.5	10.7	< 0.1	0.8	2.6	1.3
29	Flax	2.8	0.7	24.4	0.1	2.6	10.0	1.2
30	Canada fleabane	3.8	0.5	13.8	< 0.1	1.0	4.2	1.1
31	Round-leaved mallow	3.4	0.4	11.4	< 0.1	1.1	6.0	1.0
32	Biennial wormwood	3.4	0.3	10.0	< 0.1	1.0	5.6	0.9
33	Curled dock	2.5	0.5	19.4	< 0.1	1.3	5.2	0.9
34	Dog mustard	1.6	0.3	22.0	0.1	6.3	27.0	0.8
35	Field horsetail	1.3	0.3	23.8	0.1	10.0	30.6	0.8
36	Annual sow-thistle	2.8	0.3	8.9	< 0.1	0.6	1.8	0.7
37	Barley	1.3	0.3	25.0	0.1	6.2	23.4	0.7
38	Night-flowering catchfly	2.2	0.3	15.0	< 0.1	0.8	1.8	0.7
39	Foxtail barley	2.5	0.2	9.4	< 0.1	0.6	1.6	0.6
40	Vetch species	2.5	0.2	7.5	< 0.1	0.6	1.4	0.6
41	Chickweed	0.3	0.3	100.0	0.1	29.2	29.2	0.6
42	Striate knotweed	2.5	0.1	5.6	< 0.1	0.3	0.4	0.5
43	Common pepper-grass	1.9	0.2	11.7	< 0.1	0.7	2.4	0.5
44	Scentless chamomile	1.9	0.2	10.0	< 0.1	0.5	0.8	0.5
45	Field peas	1.9	0.1	7.5	< 0.1	0.4	0.6	0.4
46	Wild tomato	1.6	0.1	7.0	< 0.1	0.5	0.8	0.4
47	Prostrate knotweed	1.6	0.1	7.0	< 0.1	0.4	0.8	0.4
48	Sunflower	1.3	0.2	13.8	< 0.1	0.7	0.8	0.4
49	Fall rye	0.9	0.2	20.0	< 0.1	0.9	1.2	0.3
50	Cleavers	0.9	0.2	18.3	< 0.1	1.0	2.4	0.3
51	Hemp-nettle	0.9	0.1	11.7	< 0.1	1.9	3.2	0.3
52	Canary grass	0.3	0.1	45.0	< 0.1	14.2	14.2	0.3

(Table continued on next page)



Table 229. All fields in the Moist Mixed Grassland Ecoregion in 1995 (319 fields) (continued)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Black-eyed Susan	0.3	0.2	55.0	< 0.1	9.0	9.0	0.3
54	Goat's-beard	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.2
55	Yellow sweet-clover	0.9	< 0.1	5.0	< 0.1	0.2	0.2	0.2
56	Povertyweed	0.3	< 0.1	15.0	< 0.1	8.8	8.8	0.2
57	Tumble pigweed	0.6	0.1	12.5	< 0.1	0.5	0.6	0.2
58	Alfalfa	0.6	< 0.1	7.5	< 0.1	0.4	0.6	0.1
59	Milk-vetch species	0.6	< 0.1	7.5	< 0.1	0.3	0.4	0.1
60	Russian pigweed	0.6	< 0.1	5.0	< 0.1	0.4	0.6	0.1
61	Field violet	0.6	< 0.1	5.0	< 0.1	0.4	0.4	0.1
62	American dragonhead	0.6	< 0.1	5.0	< 0.1	0.2	0.2	0.1
63	Caraway	0.3	0.1	20.0	< 0.1	2.6	2.6	0.1
64	Nodding thistle	0.3	0.1	25.0	< 0.1	1.0	1.0	0.1
65	Clover species	0.3	< 0.1	15.0	< 0.1	0.6	0.6	0.1
66	Sedge species	0.3	< 0.1	10.0	< 0.1	0.6	0.6	0.1
67	Common burdock	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
68	Small-seeded false flax	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
69	Water smartweed	0.3	< 0.1	10.0	< 0.1	0.4	0.4	0.1
70	Pineappleweed	0.3	< 0.1	5.0	< 0.1	0.6	0.6	0.1
71	Plains prickly-pear	0.3	< 0.1	5.0	< 0.1	0.4	0.4	0.1
72	Rough cinquefoil	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Fireweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
74	Spear-leaved goosefoot	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
75	Common groundsel	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
76	Gumweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
77	Gray tansy mustard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
78	Green tansy mustard	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
79	Broad-leaved plantain	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
80	Common ragweed	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
81	Leafy spurge	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1
82	Vervain species	0.3	< 0.1	5.0	< 0.1	0.2	0.2	0.1

Table 230. All fields in the Mixed Grassland Ecoregion in 1995 (279 fields)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
1	Green foxtail	51.6	21.3	41.3	8.6	16.7	222.0	61.9
2	Wild oats	71.0	18.0	25.4	5.3	7.5	114.4	50.2
3	Wild buckwheat	62.0	20.4	32.9	2.8	4.4	167.6	40.8
4	Stinkweed	35.5	8.3	23.4	2.2	6.3	168.0	22.9
5	Russian thistle	32.6	6.5	20.1	1.5	4.5	138.0	17.8
6	Kochia	32.3	6.8	21.0	0.9	2.9	29.0	16.0
7	Redroot pigweed	27.2	4.3	15.7	0.5	1.8	21.4	11.1
8	Cow cockle	15.8	4.0	25.5	0.5	3.4	30.0	8.7
9	Persian darnel	9.0	2.3	25.2	1.2	13.9	243.6	8.5
10	Flixweed	21.5	2.3	10.8	0.2	0.8	10.0	7.0
11	Lamb's-quarters	19.4	2.6	13.2	0.2	1.1	9.6	6.9
12	Thyme-leaved spurge	10.8	2.7	24.8	0.3	3.0	17.2	5.7
13	Spring wheat/durum	11.5	1.8	15.5	0.1	1.2	12.4	4.4
14	Wild mustard	8.2	1.7	21.1	0.2	2.5	14.6	4.0
15	Canary grass	1.4	0.5	36.3	0.6	40.5	144.2	2.9
16	Dandelion	9.7	0.9	9.6	0.1	0.5	2.0	2.9
17	Tumble pigweed	5.4	1.3	23.3	0.1	2.7	11.0	2.7
18	Canada thistle	8.2	0.7	8.3	< 0.1	0.6	1.6	2.4
19	Barnyard grass	4.7	0.7	15.4	0.2	3.4	27.4	2.2
20	Prostrate pigweed	6.8	0.6	9.2	< 0.1	0.6	2.8	2.1
21	Foxtail barley	3.9	0.5	13.6	0.1	2.2	9.6	1.6
22	Canola	2.5	0.4	17.1	< 0.1	1.5	6.2	1.0
23	Prostrate knotweed	2.5	0.4	15.7	< 0.1	1.3	5.6	1.0
24	Perennial sow-thistle	3.2	0.2	7.2	< 0.1	0.5	2.4	0.9
25	Striate knotweed	2.9	0.3	10.6	< 0.1	0.5	0.8	0.9
26	Bluebur	2.9	0.2	8.1	< 0.1	0.4	1.2	0.8
27	Sunflower	1.8	0.3	16.0	< 0.1	2.6	11.8	0.8
28	Rose species	2.9	0.2	5.6	< 0.1	0.5	1.2	0.8
29	Barley	2.2	0.1	5.8	< 0.1	1.8	7.2	0.7
30	Lentils	1.1	0.3	28.3	< 0.1	4.2	12.2	0.7
31	Water smartweed	1.1	0.3	23.3	< 0.1	4.1	8.4	0.6
32	Vetch species	1.8	0.2	10.0	< 0.1	1.1	2.0	0.6
33	Canada fleabane	1.8	0.1	8.0	< 0.1	0.5	1.2	0.5
34	White mustard	0.4	0.3	85.0	< 0.1	12.8	12.8	0.5
35	Pale smartweed	1.4	0.1	8.8	< 0.1	2.0	5.2	0.5
36	Quack grass	0.7	0.2	25.0	< 0.1	6.4	12.6	0.5
37	Shepherd's-purse	1.4	0.1	7.5	< 0.1	0.5	1.0	0.4
38	Biennial wormwood	1.4	0.1	7.5	< 0.1	0.5	0.8	0.4
39	Fall rye	0.7	0.2	22.5	< 0.1	3.7	6.8	0.4
40	Round-leaved mallow	1.1	0.1	8.3	< 0.1	0.3	0.6	0.3
41	Field peas	1.1	0.1	8.3	< 0.1	0.3	0.6	0.3
42	Common pepper-grass	1.1	0.1	6.7	< 0.1	0.7	1.6	0.3
43	Prickly lettuce	1.1	0.1	6.7	< 0.1	0.4	0.8	0.3
44	Wild tomato	1.1	0.1	5.0	< 0.1	0.2	0.2	0.3
45	Yellow sweet-clover	0.7	0.1	12.5	< 0.1	0.5	0.6	0.2
46	Downy brome	0.7	0.1	10.0	< 0.1	0.4	0.4	0.2
47	Narrow-leaved hawk's-beard	0.7	0.1	7.5	< 0.1	0.3	0.4	0.2
48	Green tansy mustard	0.7	0.1	7.5	< 0.1	0.3	0.4	0.2
49	Diffuse knapweed	0.7	< 0.1	5.0	< 0.1	0.3	0.4	0.2
50	Prairie sunflower	0.7	< 0.1	5.0	< 0.1	0.3	0.4	0.2
51	Tumble mustard	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2
52	Skeletonweed	0.7	< 0.1	5.0	< 0.1	0.2	0.2	0.2

(Table continued on next page)

Table 230. All fields in the Mixed Grassland Ecoregion in 1995 (279 fields) (*continued*)

Rank	Species	Frequency (%)	Field Uniformity		Field Density (#/m <sup>2</sup> )			Relative Abundance
			All	Occurrence	All	Occurrence	High	
53	Flax	0.4	0.1	20.0	< 0.1	2.0	2.0	0.2
54	Oats	0.4	0.1	20.0	< 0.1	1.6	1.6	0.2
55	Gray tansy mustard	0.4	0.1	20.0	< 0.1	0.8	0.8	0.1
56	Scentless chamomile	0.4	0.1	15.0	< 0.1	0.6	0.6	0.1
57	Nodding thistle	0.4	< 0.1	10.0	< 0.1	1.0	1.0	0.1
58	Cleavers	0.4	< 0.1	10.0	< 0.1	0.8	0.8	0.1
59	Alfalfa	0.4	< 0.1	10.0	< 0.1	0.6	0.6	0.1
60	Curled dock	0.4	< 0.1	10.0	< 0.1	0.4	0.4	0.1
61	Aster species	0.4	< 0.1	5.0	< 0.1	0.8	0.8	0.1
62	Rough cinquefoil	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
63	Blue lettuce	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
64	Field pepper-grass	0.4	< 0.1	5.0	< 0.1	0.4	0.4	0.1
65	Buffaloberry species	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
66	Short-awned foxtail	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
67	Spear-leaved goosefoot	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
68	Purslane	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
69	Annual sow-thistle	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
70	Corn spurry	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
71	Yellow toadflax	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
72	Purple vetchling	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
73	Clover species	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1
74	Canada blue grass	0.4	< 0.1	5.0	< 0.1	0.2	0.2	0.1

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Residual Weed Populations in Saskatchewan – 1976 to 2003

Abstract for Poster Presented at Canadian Weed Science Society Annual Meeting, December 1-3, 2003

The comparison of the relative abundance of weeds in Saskatchewan in 2003 with results from previous provincial surveys enables the identification of recent shifts in species ranks, life form density and relative abundance. In 2003, 2046 fields of spring wheat, barley, durum, oat, canary seed, canola, flax, mustard, lentil and pea were surveyed. These fields were selected using a stratified random sampling procedure based on ecodistricts. In each field, weeds were counted in 20 quadrats (50 by 50 cm) in late summer. Weed data are summarized using a relative abundance index based on frequency, field uniformity and density. Green foxtail (*Setaria viridis* (L.) P. Beauv.) was the most abundant weed, wild oats (*Avena fatua* L.) ranked second, wild buckwheat (*Polygonum convolvulus* L.) third and Canada thistle (*Cirsium arvense* (L.) Scop.) fourth. The results from the 2003 survey are compared to results from surveys of 1178 fields in 1995, 1149 fields in 1986 and 4423 fields in 1976-1979. Twelve species have been ranked amongst the top 20 most abundant species in each survey. Seven species, ranked in the top 20 species in the 1970's and/or 1986, have since declined: rose (*Rosa* spp.), prostrate pigweed (*Polygonum aviculare* L.), night-flowering catchfly (*Silene noctiflora* L.), cow cockle (*Vaccaria hispanica* (Mill.) Rauschert), bluebur (*Lappula squarrosa* (Retz.) Dumort.), pale smartweed (*Polygonum lapathifolium* L.), flixweed (*Descurainia sophia* (L.) Webb ex Prantl). Six species have appeared in the top 20 list in the 1995 and/or 2003: cleavers (*Galium aparine* L.), barnyard grass (*Echinochloa crusgalli* (L.) P. Beauv.), wheat (*Triticum aestivum* L.), dandelion (*Taraxacum officinale* Weber in F.H. Wigg.), quack grass (*Elytrigia repens* (L.) Desv. ex B.D. Jacks), canola (*Brassica napus* L.). Relative abundance of annual grass and perennials has increased, while relative abundance of annual broad-leaved species and facultative winter annuals have decreased. Densities of all life forms have decreased since the 1970's.



# Residual Weed Populations in Saskatchewan - 1976 to 2003

Julia Y. Leeson<sup>1</sup>, A. Gordon Thomas<sup>1</sup> and Clark Brenzil<sup>2</sup>

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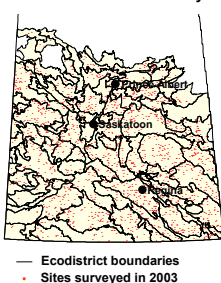
## Objectives

- Present the top twenty species in 2003 Saskatchewan provincial weed survey
- Compare the relative abundance of weeds in Saskatchewan in 2003 with results from the 1995, 1986 and 1976-1979 provincial surveys
- Identify shifts in life form density and relative abundance

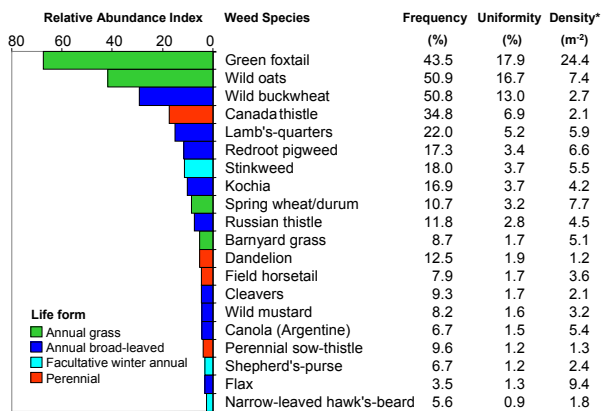
## Methods

- Used stratified random sampling procedure to select fields in ecodistricts shown on map
- Surveyed 2046 fields of spring wheat, barley, durum, oat, canary seed, canola, flax, mustard, peas, lentil and chickpea
- Counted weeds in 20 quadrats (50 by 50 cm) per field in late summer (residual populations)
- Summarized weed data using a relative abundance index based on frequency, field uniformity and density
  - Frequency = Percent of fields in which species occurred
  - Uniformity = Percent of quadrats in which species occurred
  - Density = Average density of species in all fields
- Compared top twenty species from surveys of
  - 1178 fields in 1995
  - 1149 fields in 1986
  - 4423 fields in 1970's (1976-1979)

2003 Saskatchewan Survey



## Top 20 Species in 2003 Survey



## Species Shifts

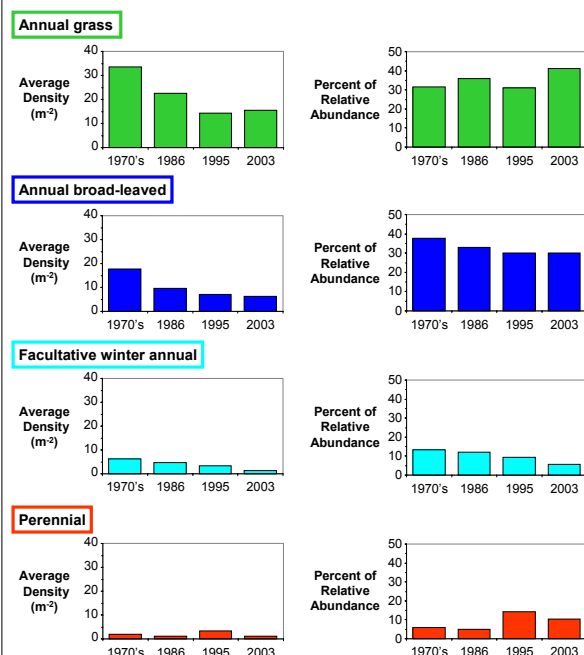
	Change in Relative Abundance Rank			
	1970's to 1986	1986 to 1995	1995 to 2003	1970's to 2003
<b>Annual grass</b>				
Barnyard grass	-3	5	17	19
Spring wheat/durum	-5	10	10	15
Wild oats*	1	0	0	1
Green foxtail	0	0	0	0
<b>Annual broad-leaved</b>				
Cleavers	17	9	2	28
Flax	20	-7	5	18
Canola	4	10	-3	11
Kochia	-13	17	5	9
Chickweed	10	-4	-4	2
Redroot pigweed	0	-3	4	1
Lamb's-quarters	1	-1	1	1
Wild buckwheat	-1	0	0	-1
Hemp-nettle	5	-6	-2	-3
Thyme-leaved spurge	7	3	-15	-5
Russian thistle	-1	-2	-2	-5
Wild mustard	-2	2	-7	-7
Pale smartweed	3	-9	-2	-8
Cow cockle	-1	-11	-6	-18
Prostrate pigweed	16	-21	-16	-21
<b>Facultative winter annual</b>				
Narrow-leaved hawk's-beard	-8	-1	9	0
Shepherd's-purse	8	-3	-7	-2
Stinkweed	0	0	-3	-3
Flixweed	-7	-6	5	-8
Bluebur	-3	-12	-1	-16
Night-flowering catchfly	-12	-5	-1	-18
<b>Perennial</b>				
Dandelion	-13	22	2	11
Quack grass	5	12	-7	10
Canada thistle	1	5	1	7
Field horsetail	6	-4	4	6
Perennial sow-thistle	-4	7	-10	-7
Rose species	-5	-10	-16	-31

\*Species in italics have maintained a position in the top 20 since 1970's

## Species Shift Summary

- Shifts have occurred in the relative abundance of the top 20 species
- Twelve species have been present in the top 20 in each survey since the 1970's
  - The same species have been in the top three since surveys in the 1970's
- Seven species in top 20 in the 1970's and/or 1986 have declined
  - Rose species, prostrate pigweed, night-flowering catchfly, cow cockle, bluebur, pale smartweed, flixweed
- Six species have appeared in top 20 in 1997 and/or 2003
  - Cleavers, barnyard grass, wheat, dandelion, quack grass, canola

## Life Form Shifts



## Life Form Shift Summary

- Composition of weed community similar since the 1970's but densities have decreased
  - Similar observations were made in Alberta and Manitoba
  - Largest decreases in density since 1995 in facultative winter annuals and perennials
- Relative abundance of annual grasses and perennials have increased
  - Relative abundance of perennials peaked in 1995
- Relative abundance of annual broad-leaved and facultative winter annuals have decreased
  - Change in relative abundance of annual broad-leaves was largest from 1970's to 1995
  - Change in relative abundance of facultative winter annuals was largest from 1986 to 2003

## Next Step

- Interpret shifts in terms of management practices based on information obtained from questionnaires completed by producers who participated in the survey

## Acknowledgements

- The weed surveys were only possible because of the cooperation of over 8800 producers
- Special thanks to the many provincial and federal staff and survey personnel who participated in the 2003 survey
- Funded in part by Arvesta Canada, Aventis CropScience Canada Co., BASF Canada, Bayer Inc., Dow AgroSciences Canada Inc., Dupont Canada Inc., Monsanto Canada Inc., Nufarm Agriculture Inc. and Western Co-operative Fertilizers Limited, and by Matching Investment Initiative (MII) of Agriculture and Agri-Food Canada

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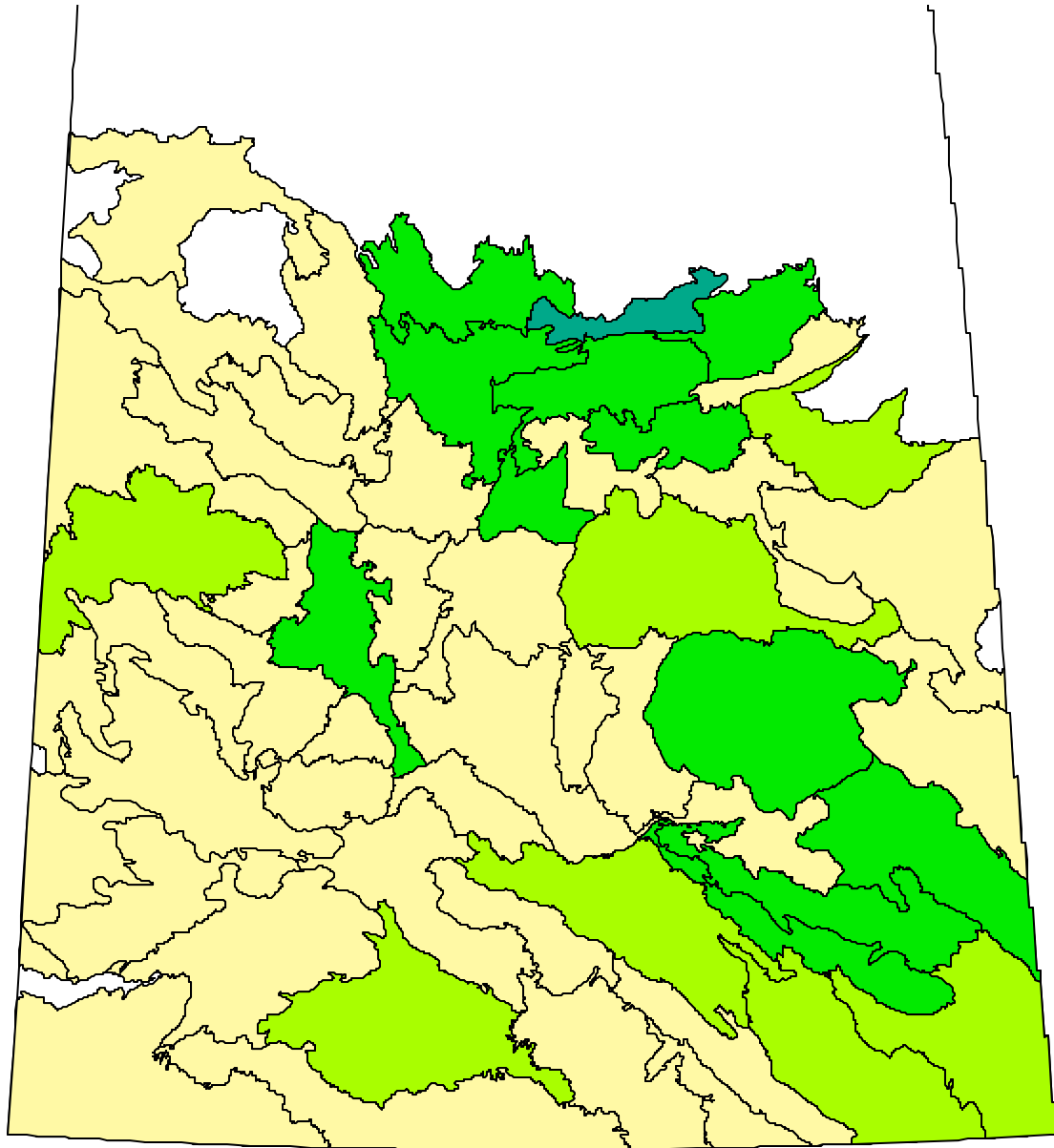


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# Annual sow-thistle

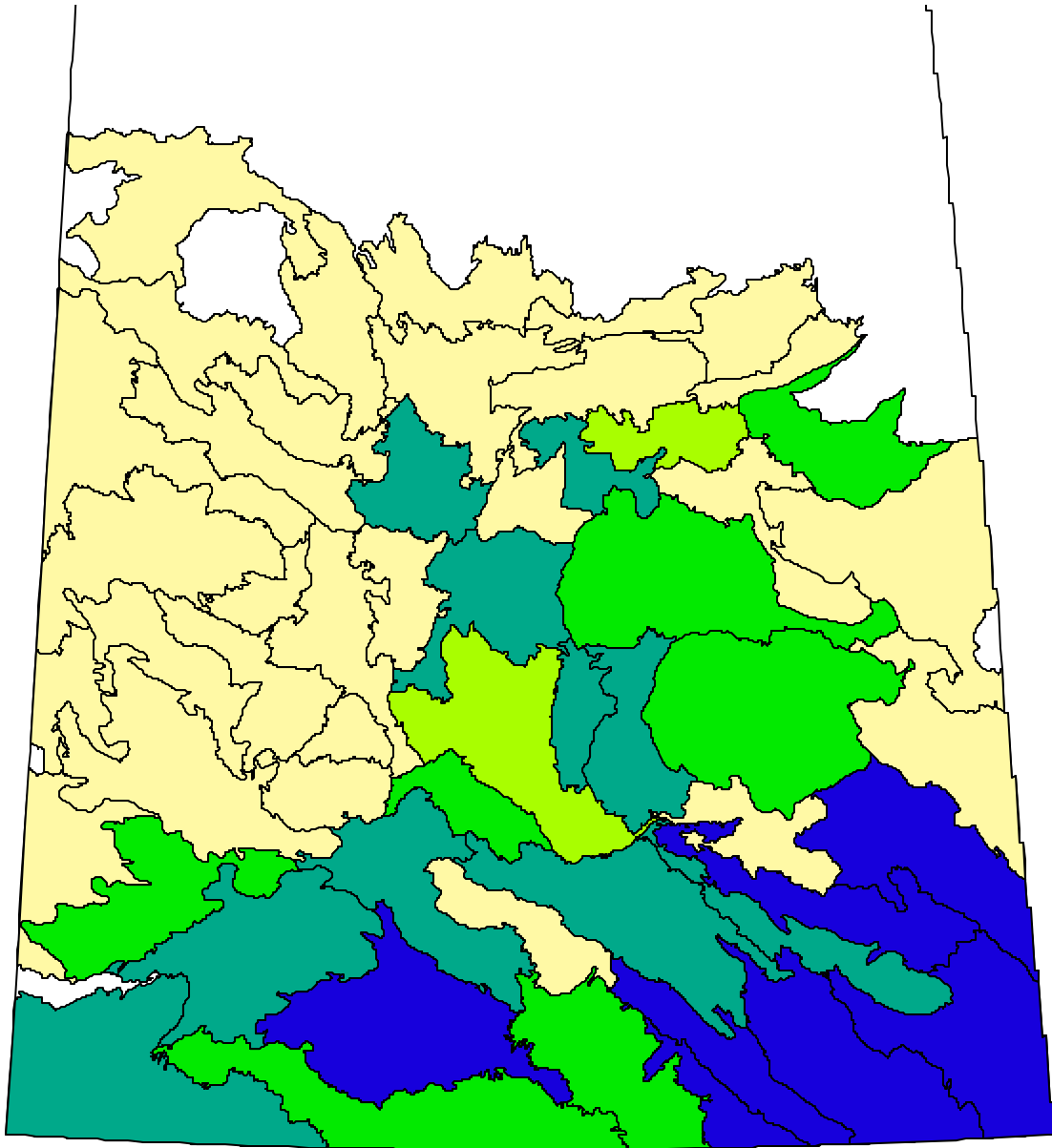


## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |



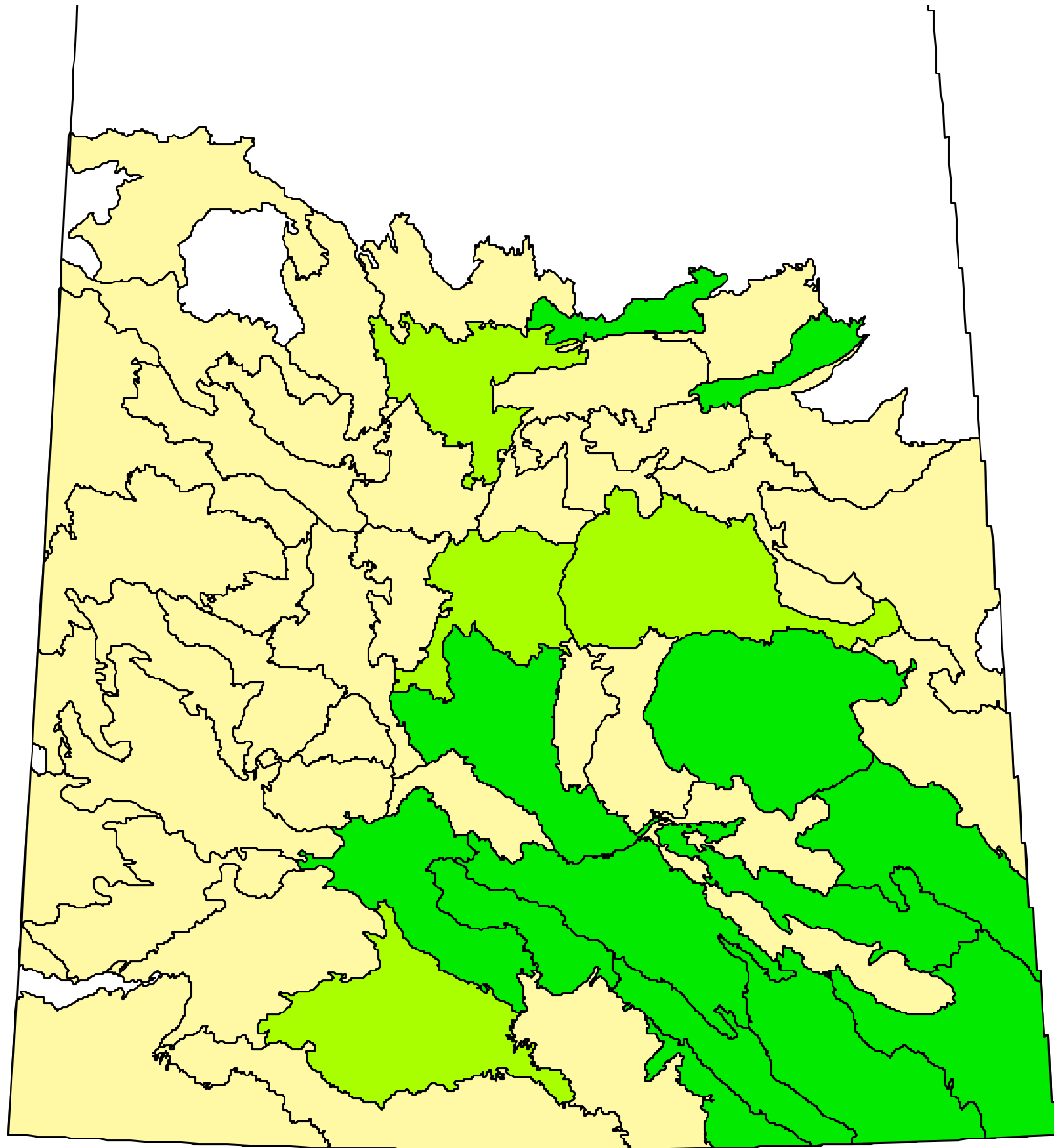
# Barnyard grass



## Relative Abundance Index

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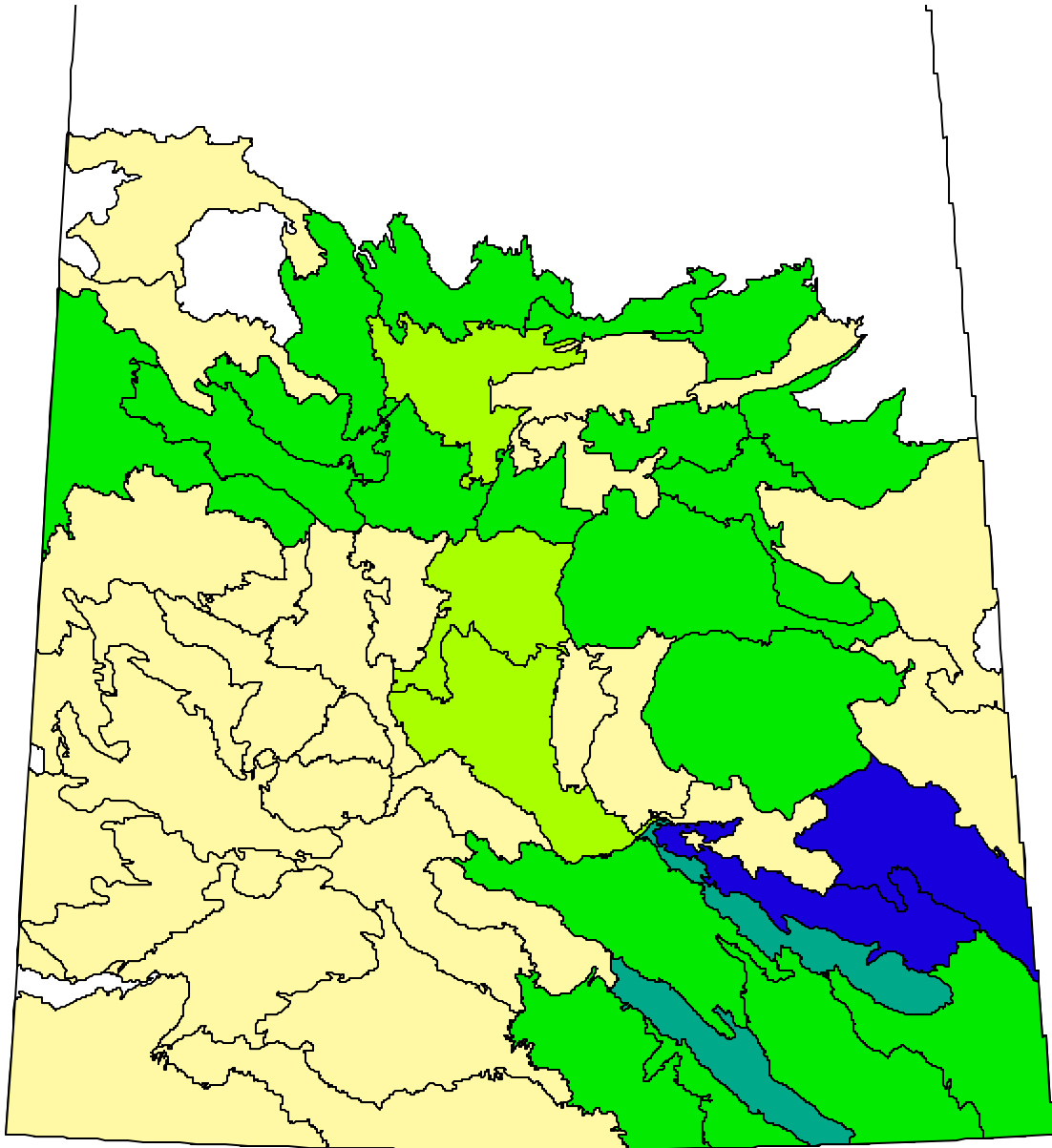
# Biennial wormwood



## Relative Abundance Index

- |                |                |
|----------------|----------------|
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| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

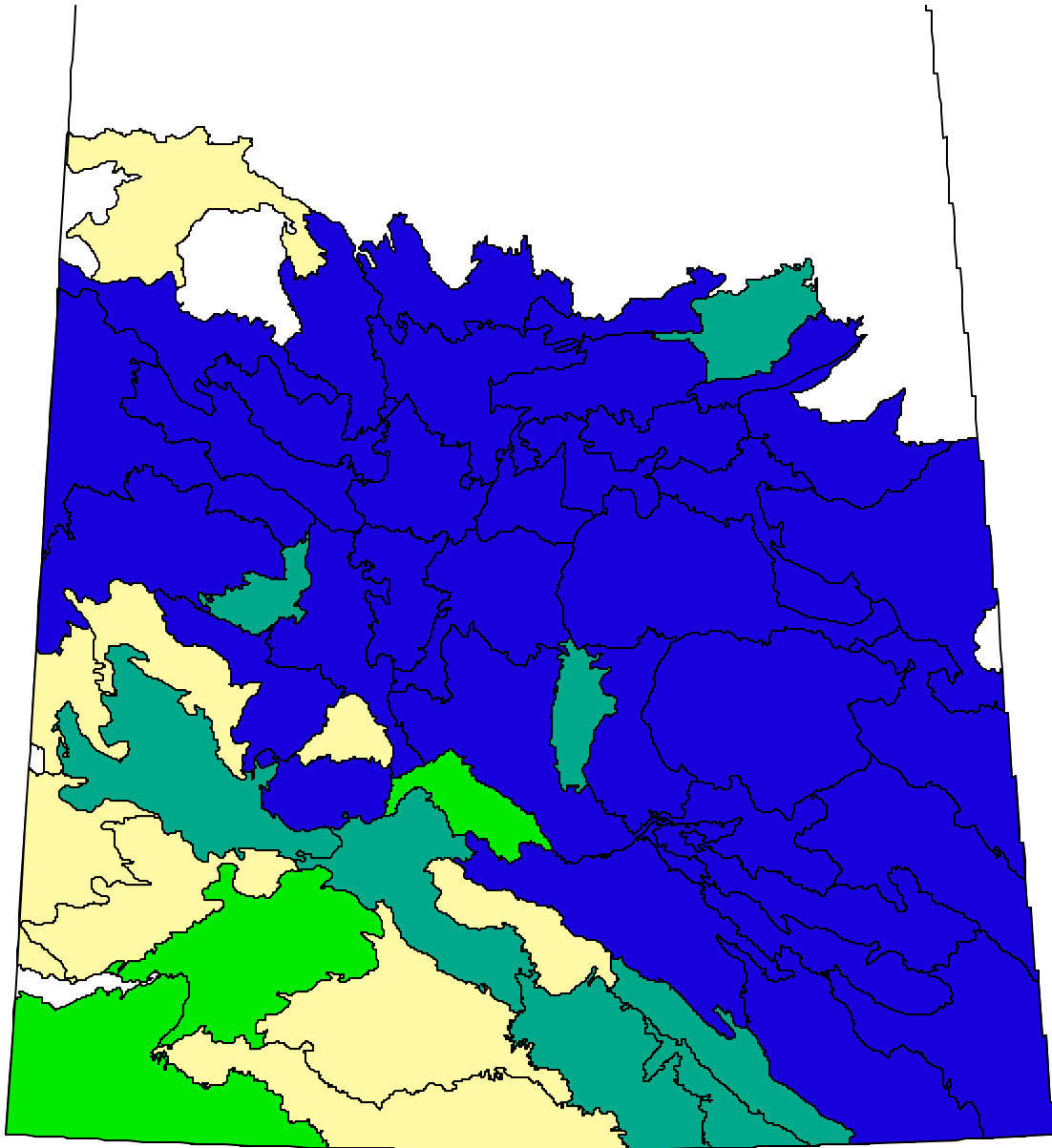
# Bluebur



## Relative Abundance Index

- |                |                |
|----------------|----------------|
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| ■ 0.1 to 1     | ■ More than 10 |

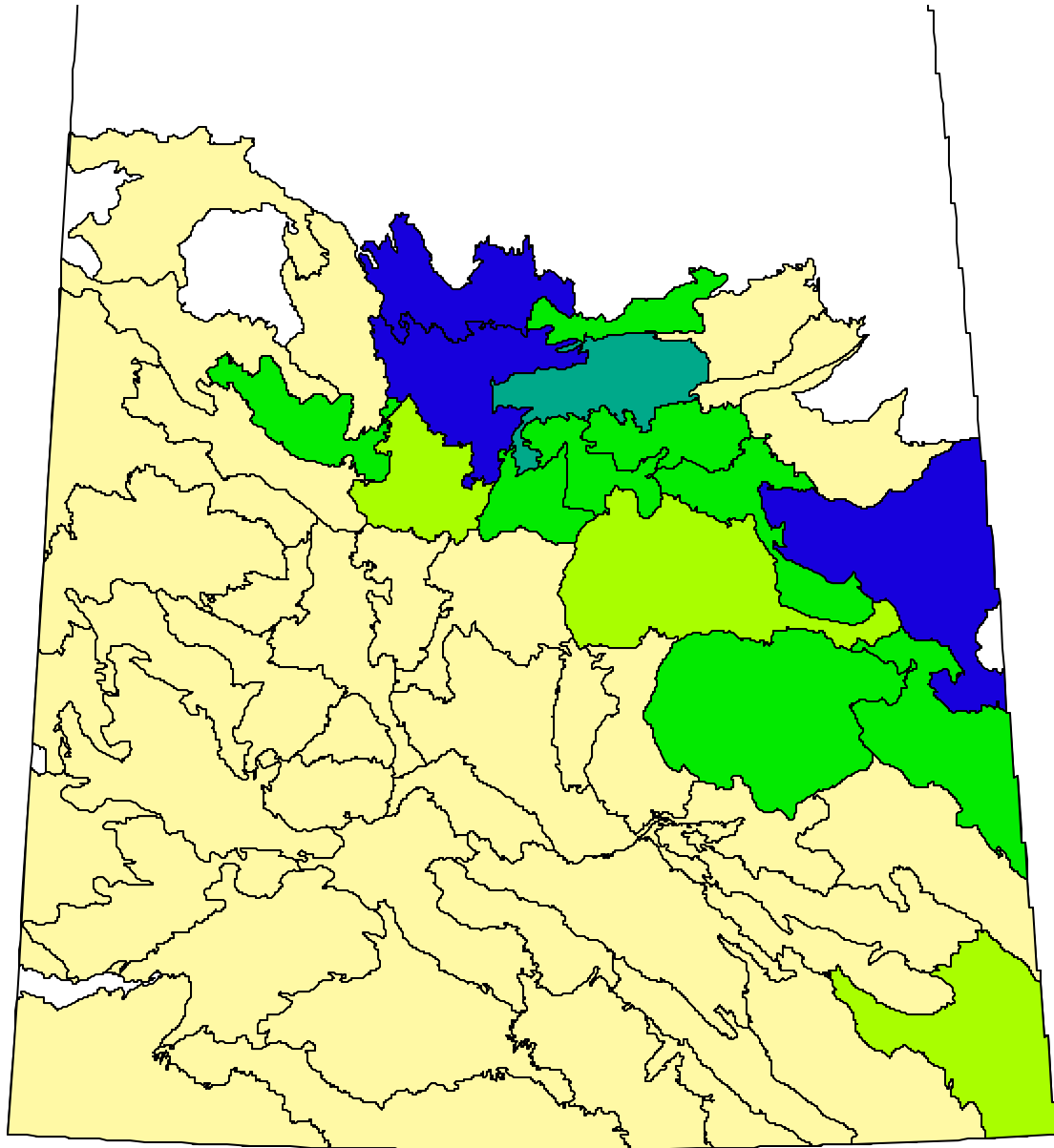
# Canada thistle



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

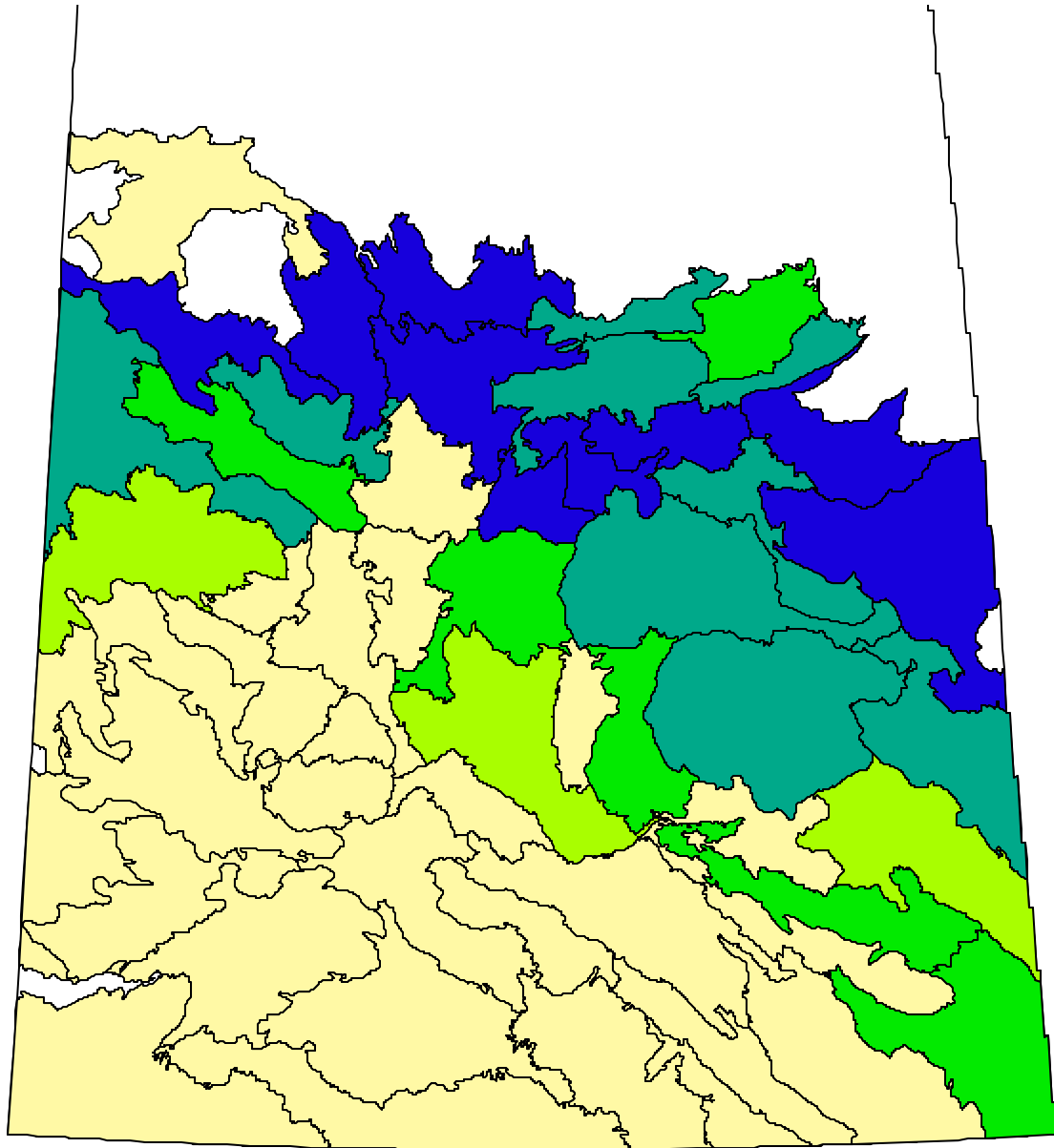
# Chickweed



## Relative Abundance Index

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|----------------|----------------|
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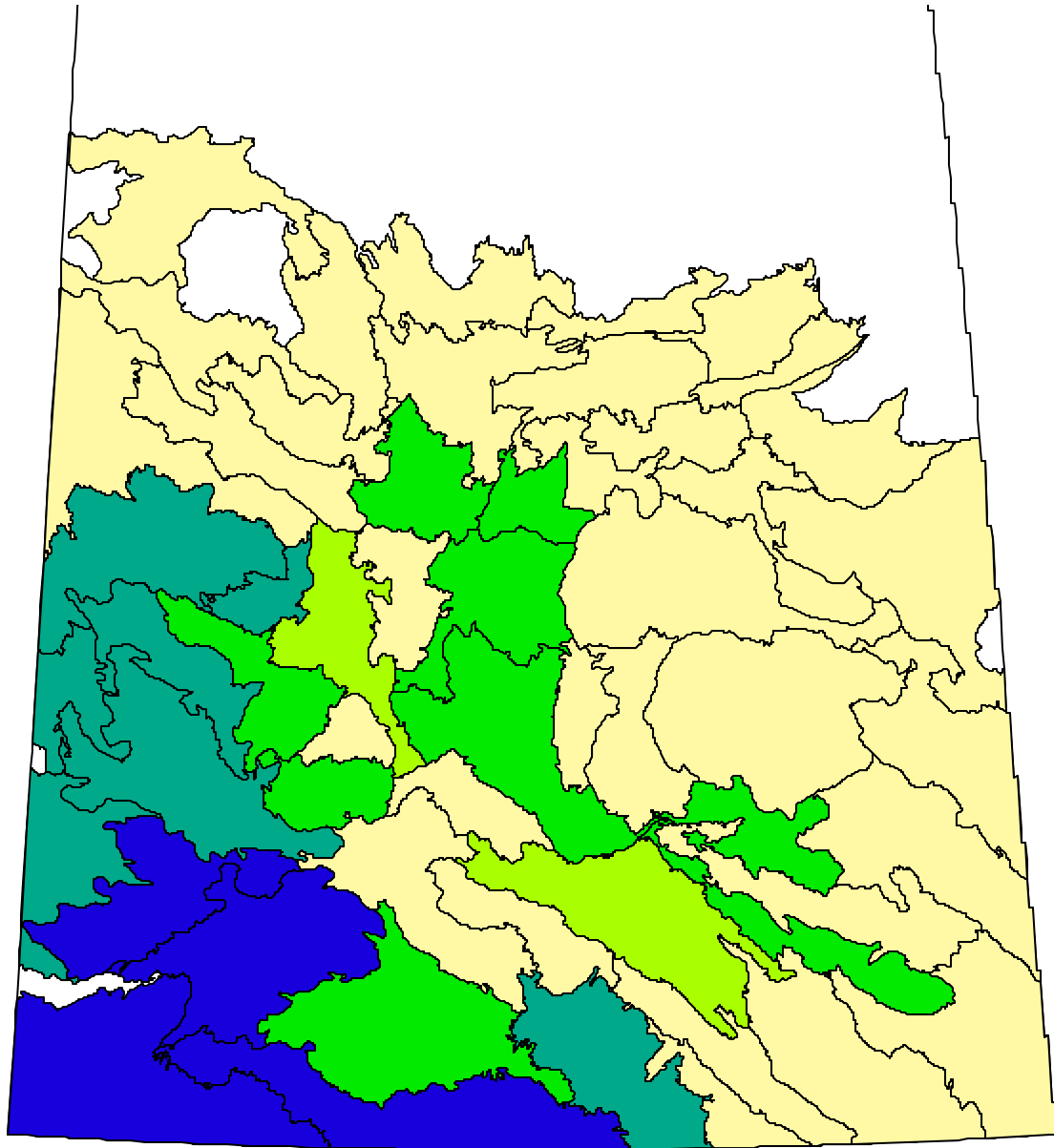
# Cleavers



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

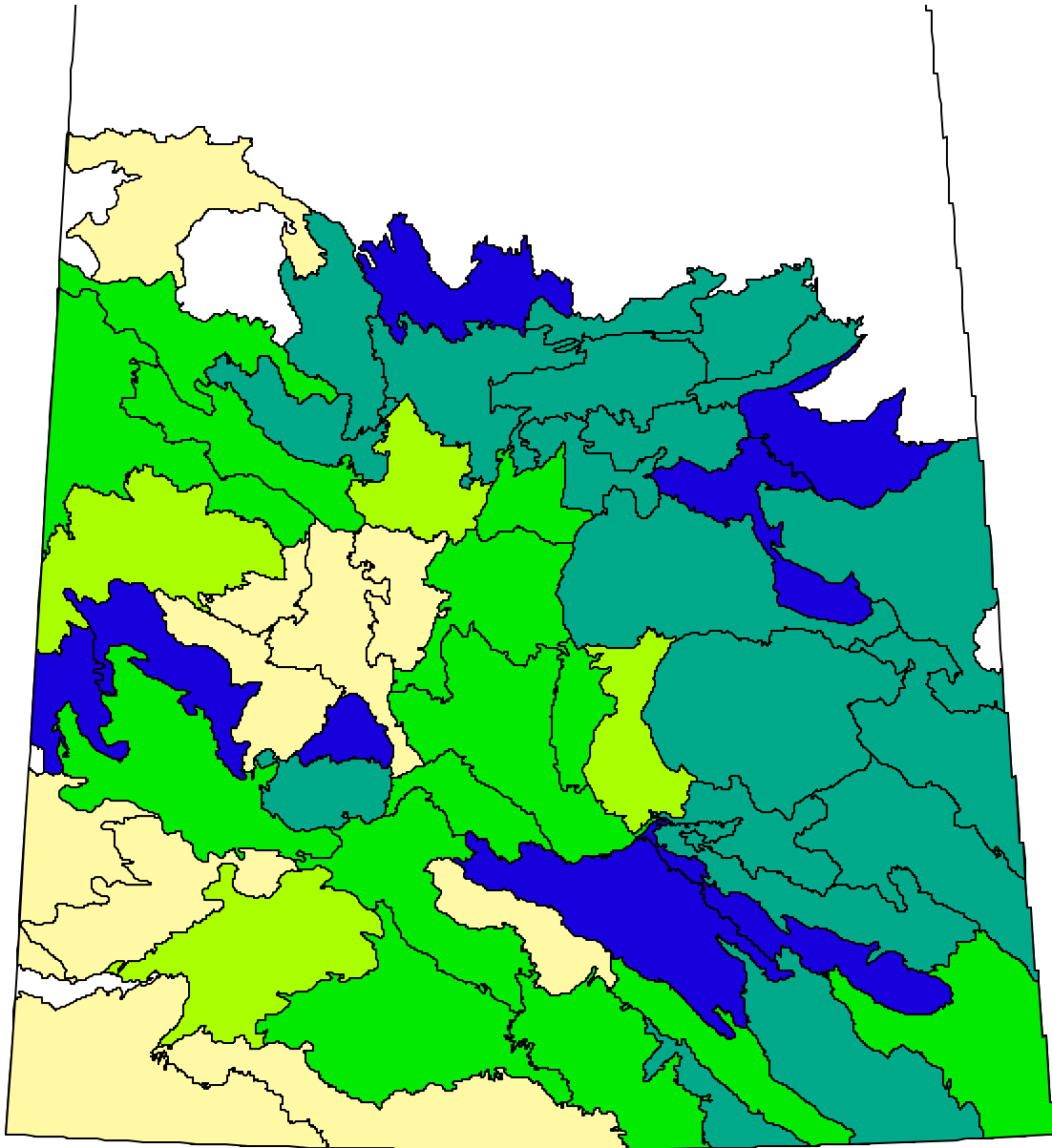
# Cow cockle



## Relative Abundance Index

- |                |                |
|----------------|----------------|
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| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

# Dandelion

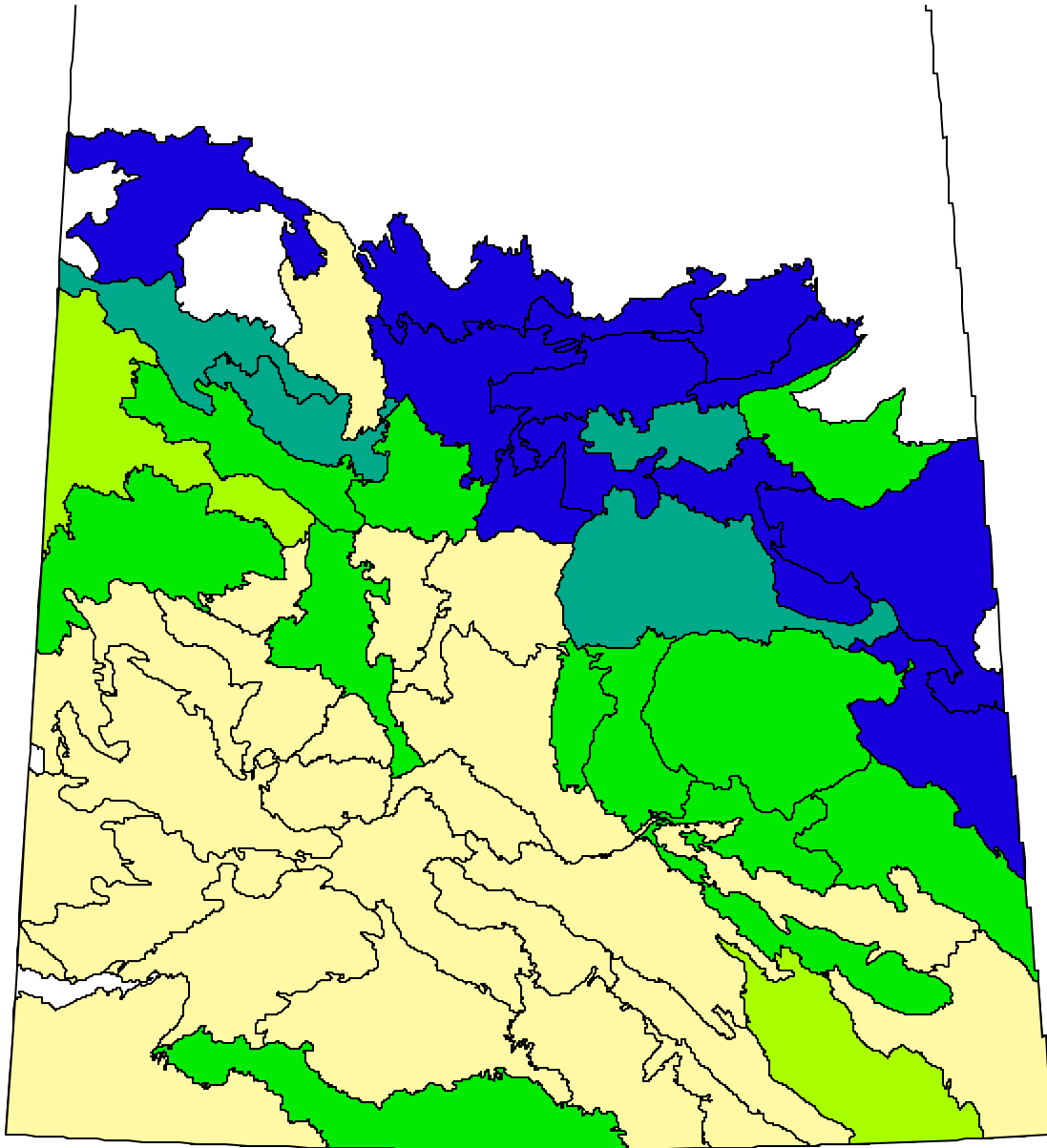


## Relative Abundance Index

- |                |                |
|----------------|----------------|
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| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |



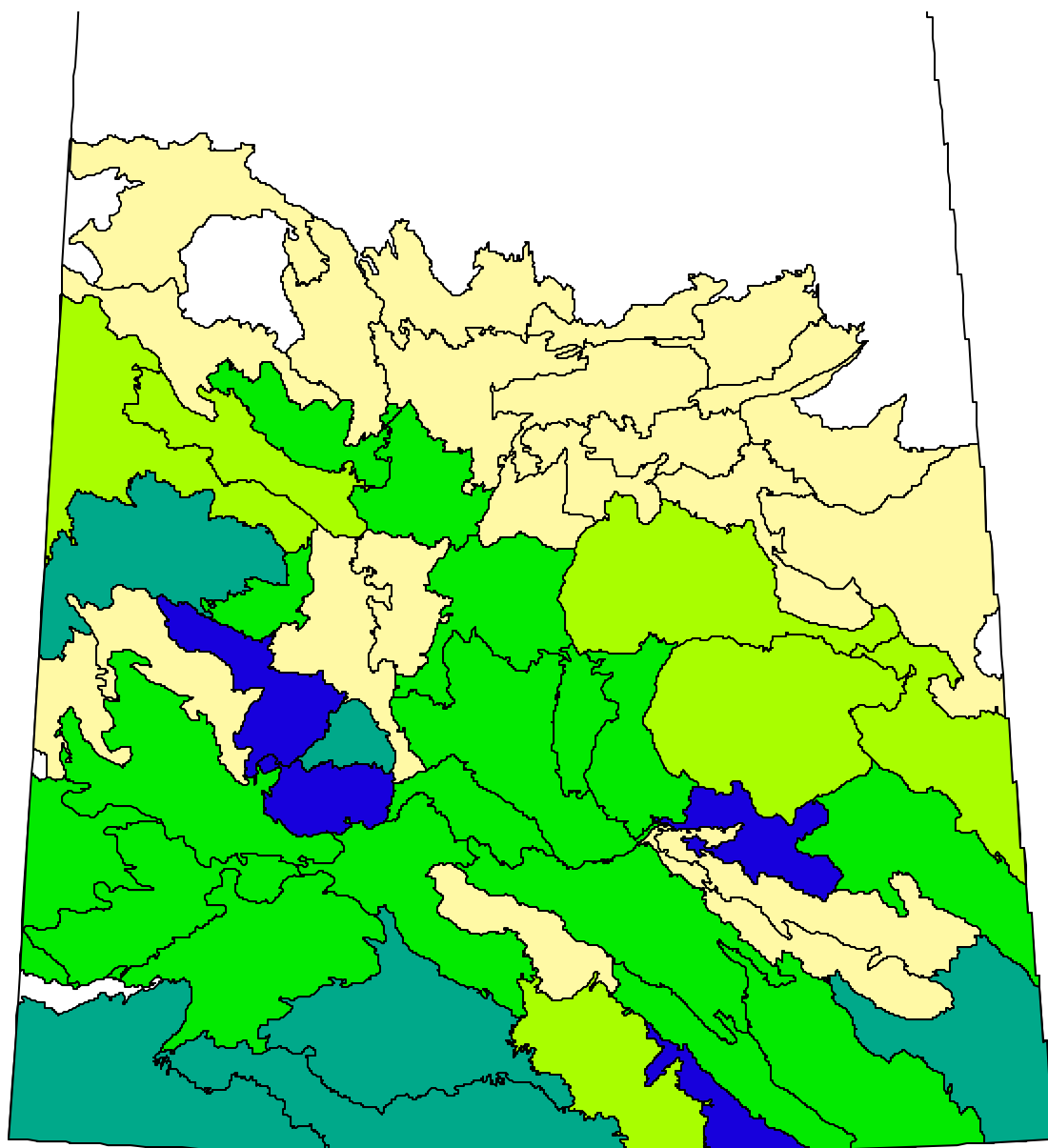
# Field horsetail



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

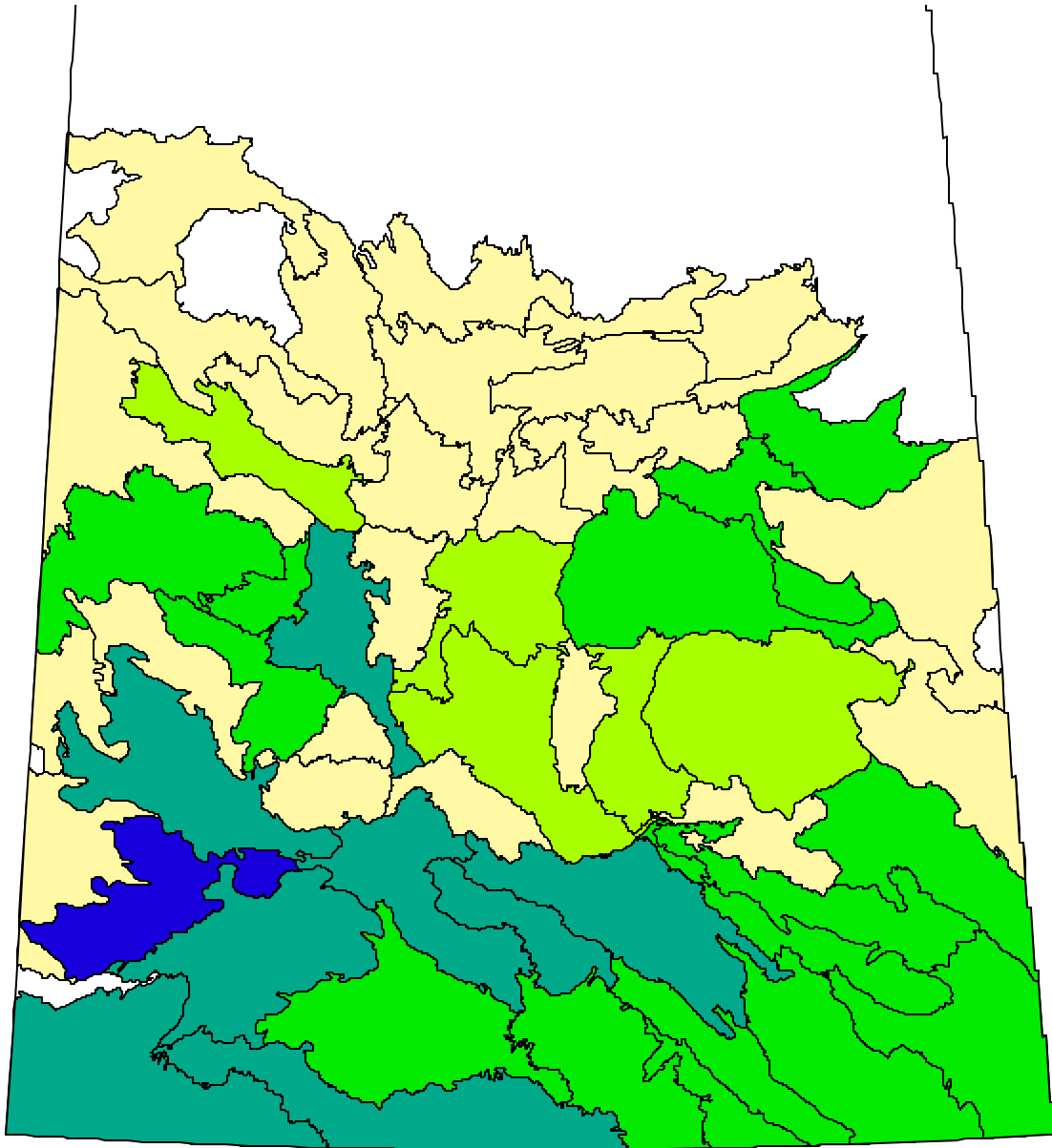
# Flixweed



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

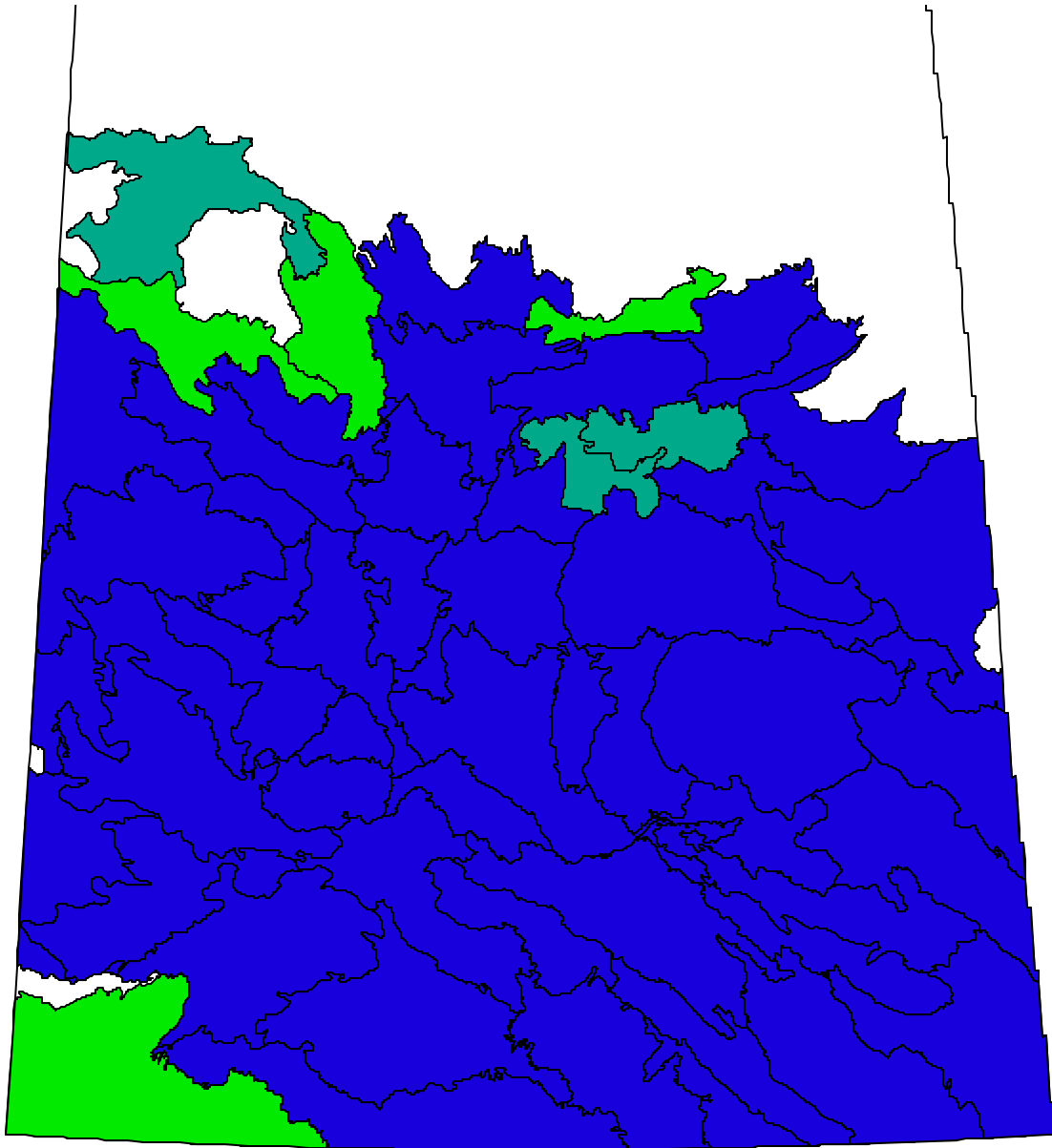
# Foxtail barley



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

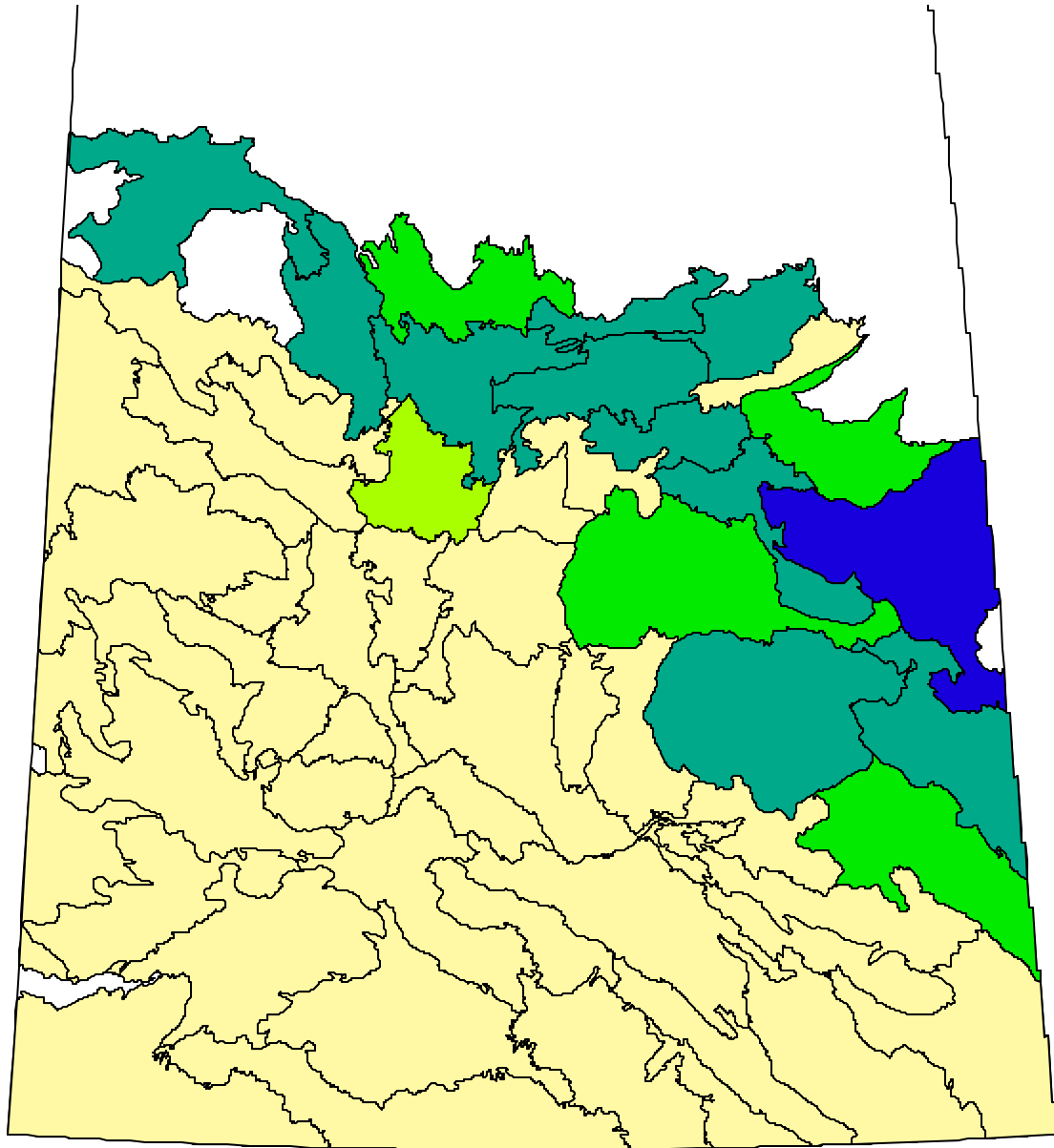
# Green foxtail



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

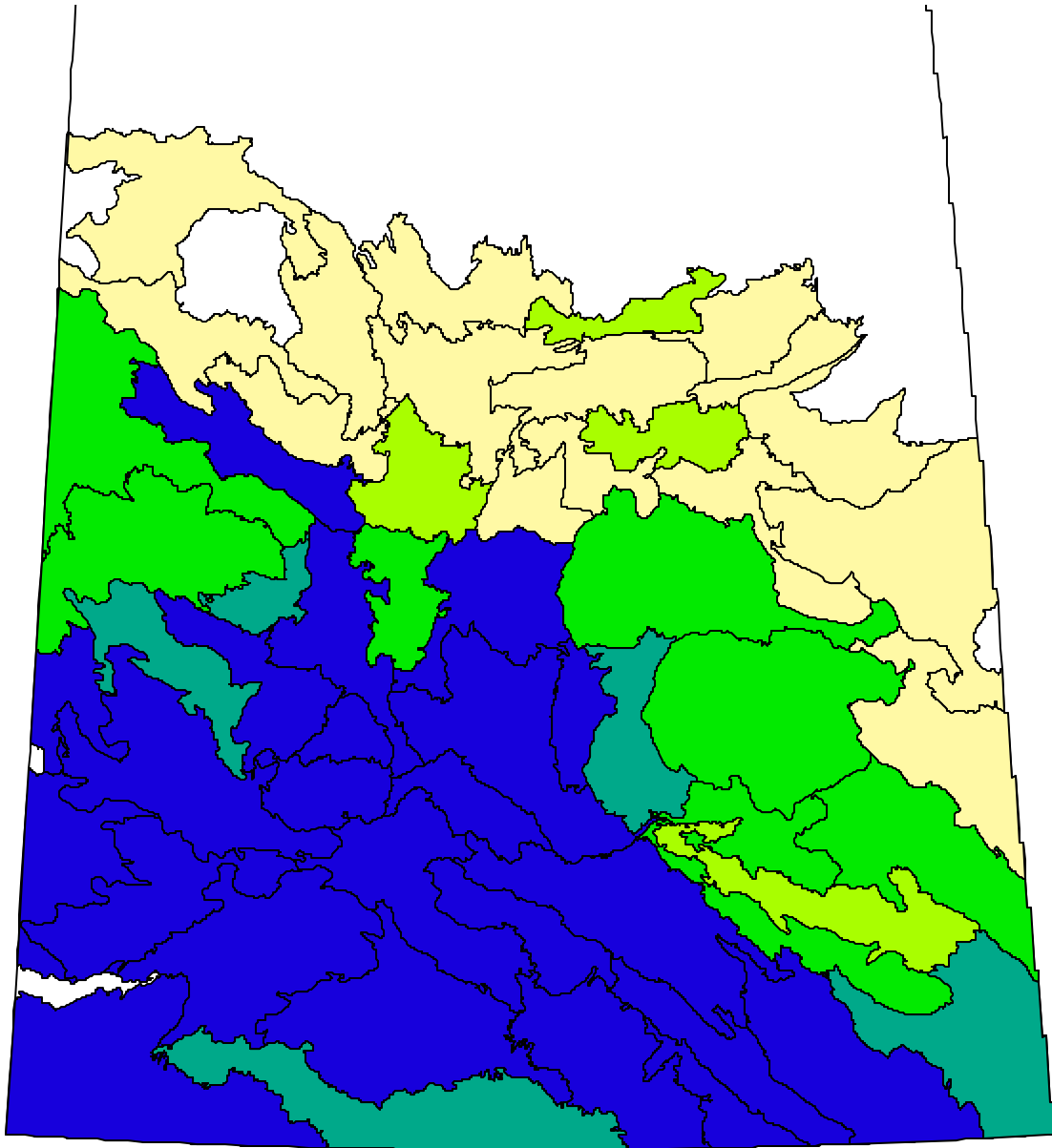
# Hemp-nettle



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

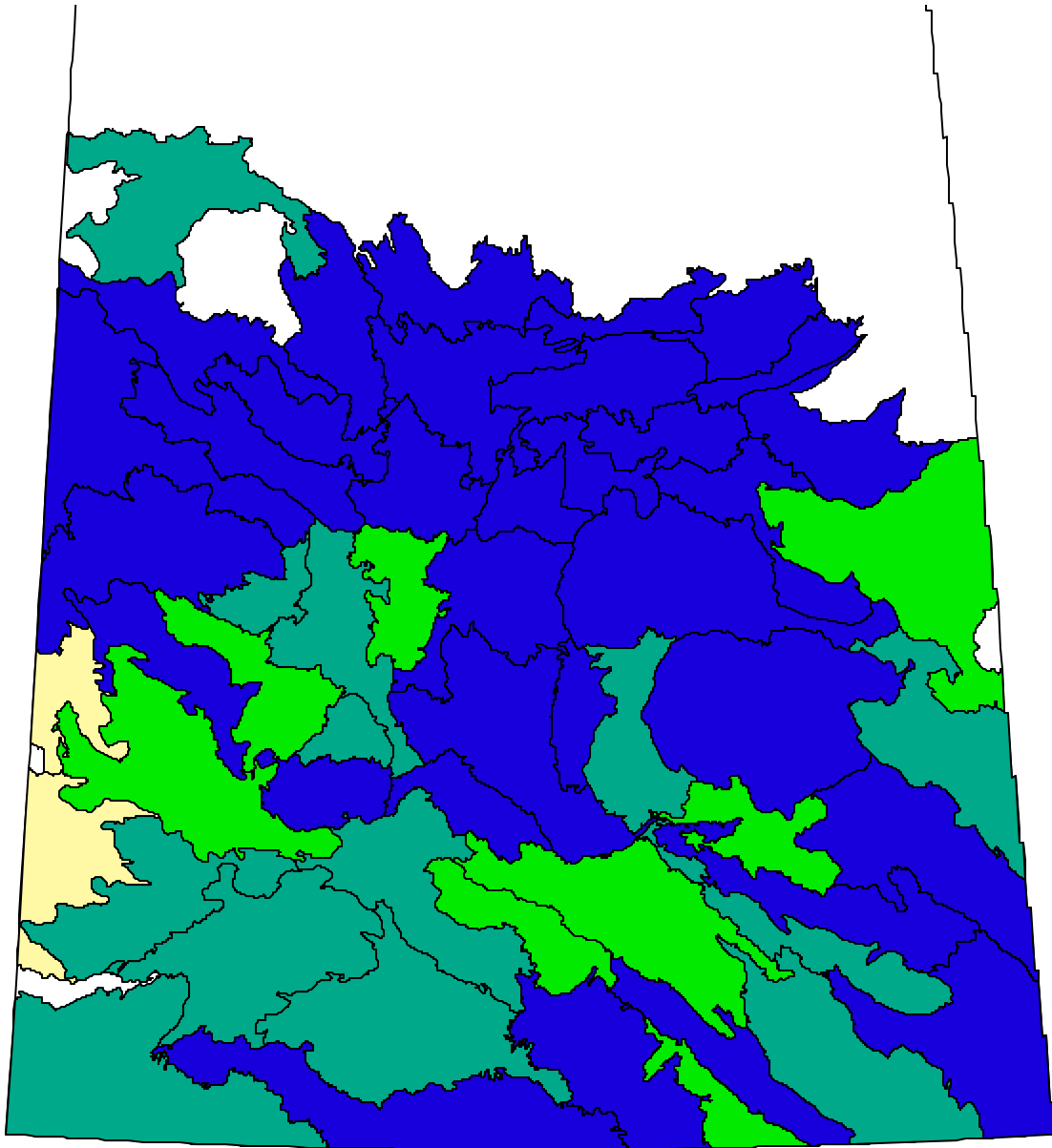
# Kochia



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

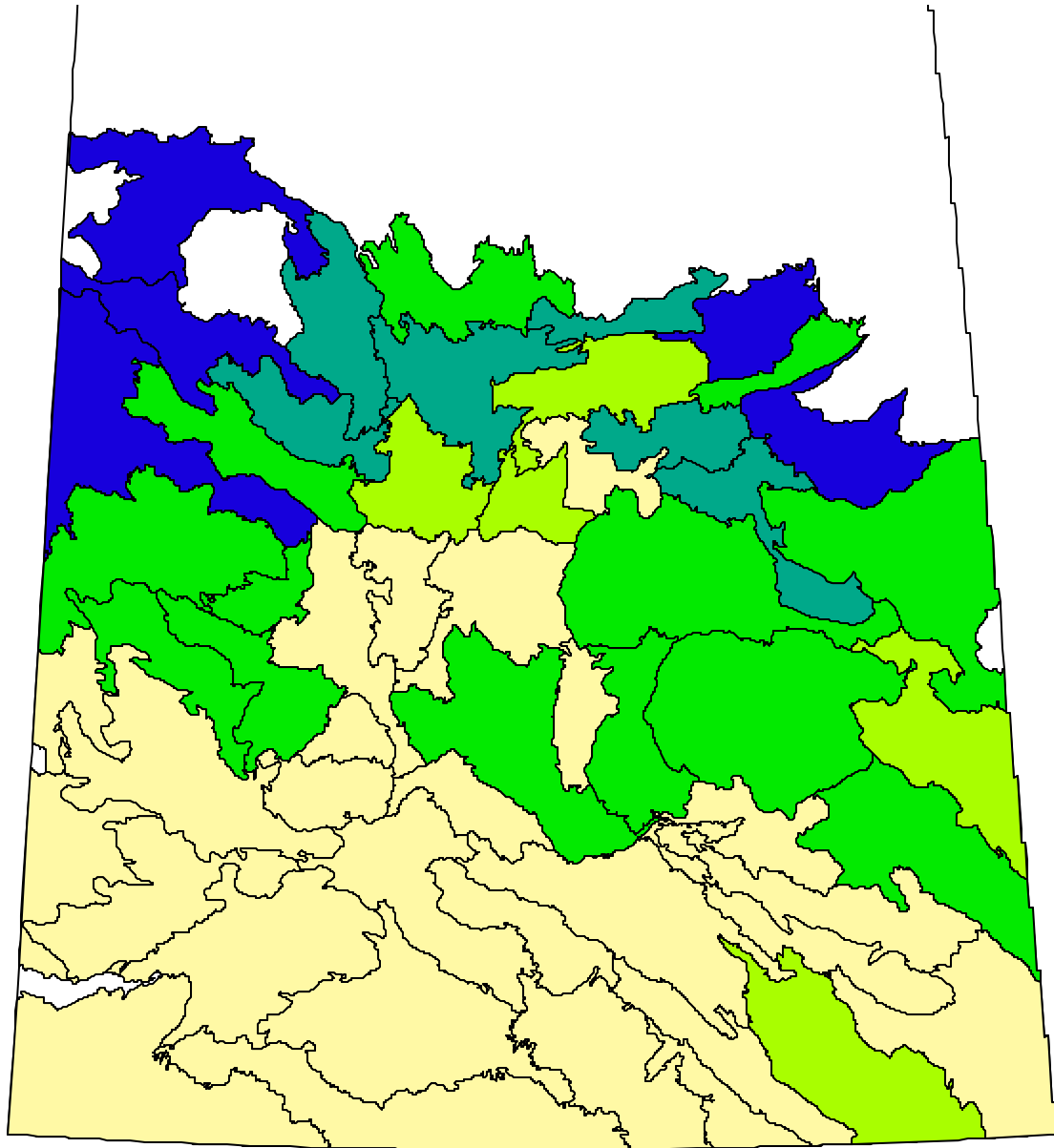
# Lamb's-quarters



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

# Narrow-leaved hawk's-beard

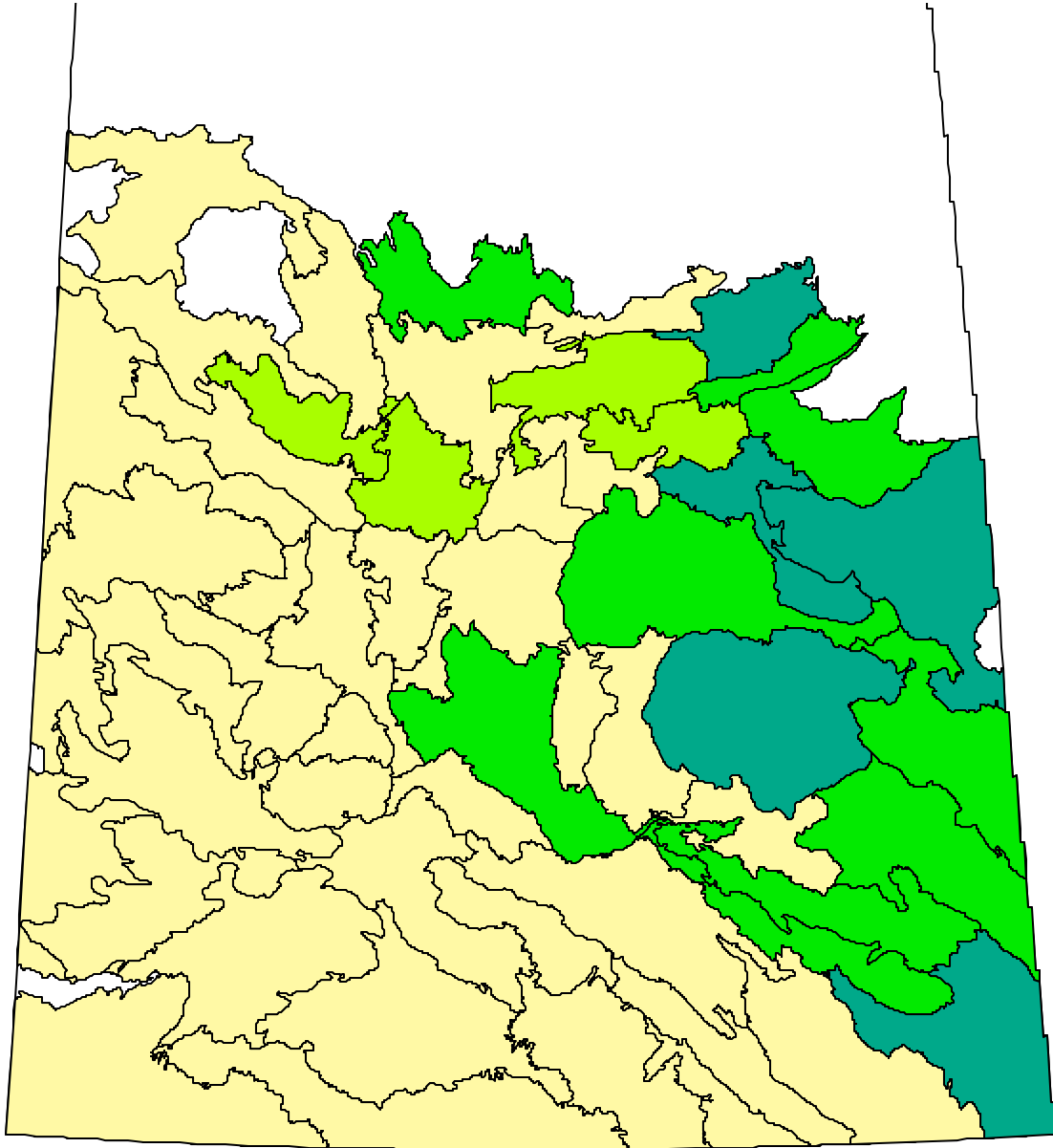


## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| □ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |



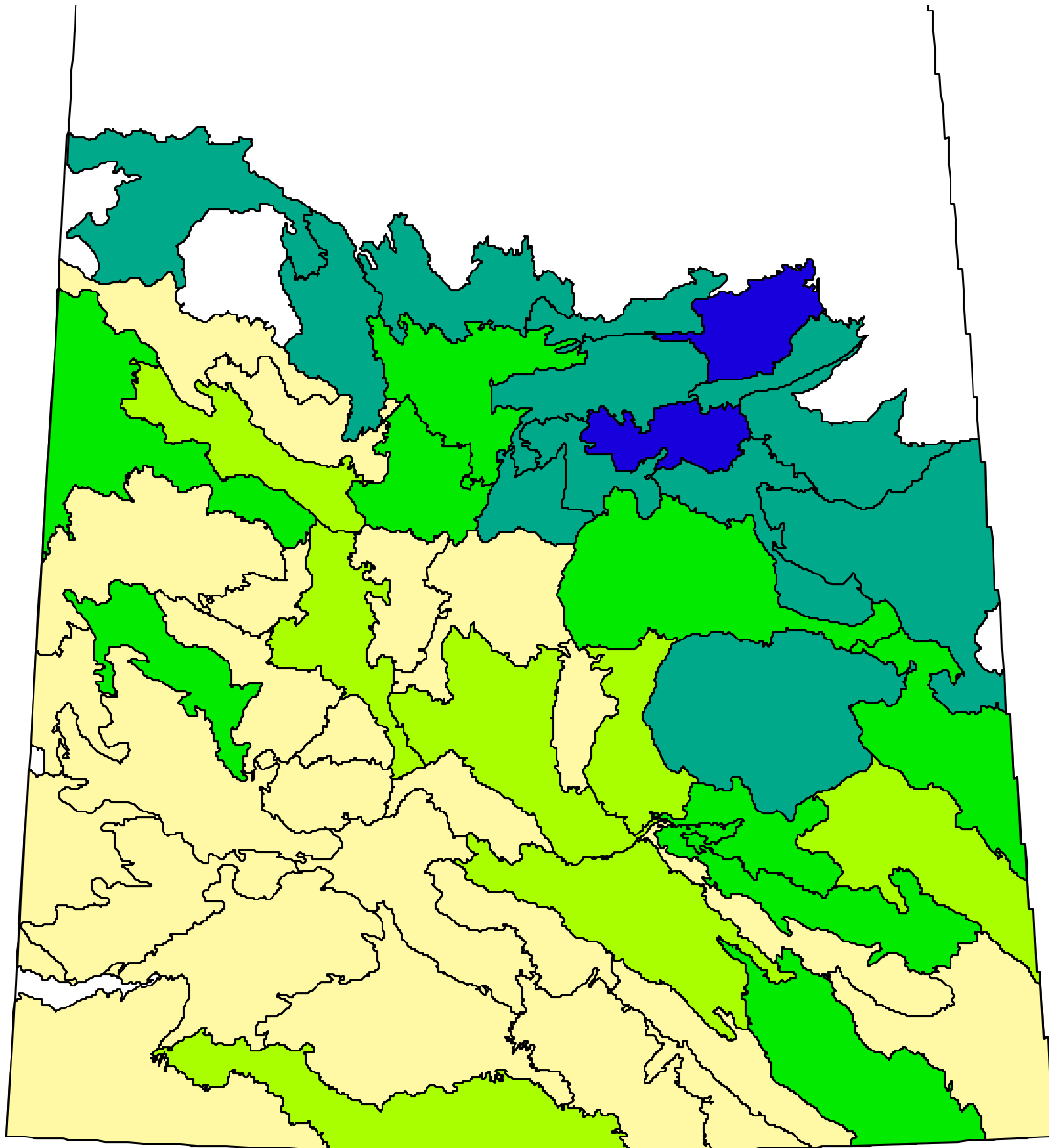
# Night-flowering catchfly



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

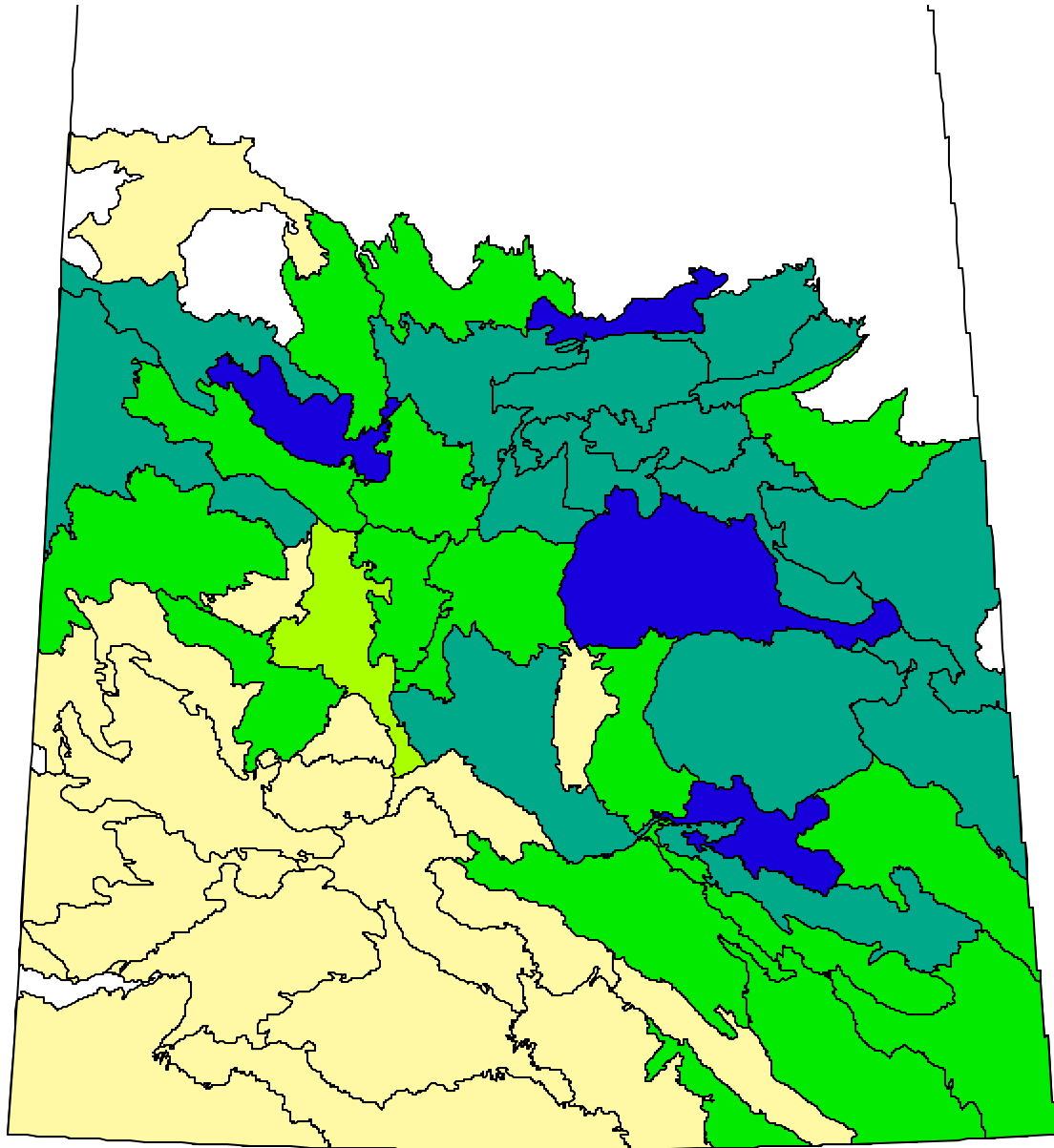
# Pale smartweed



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

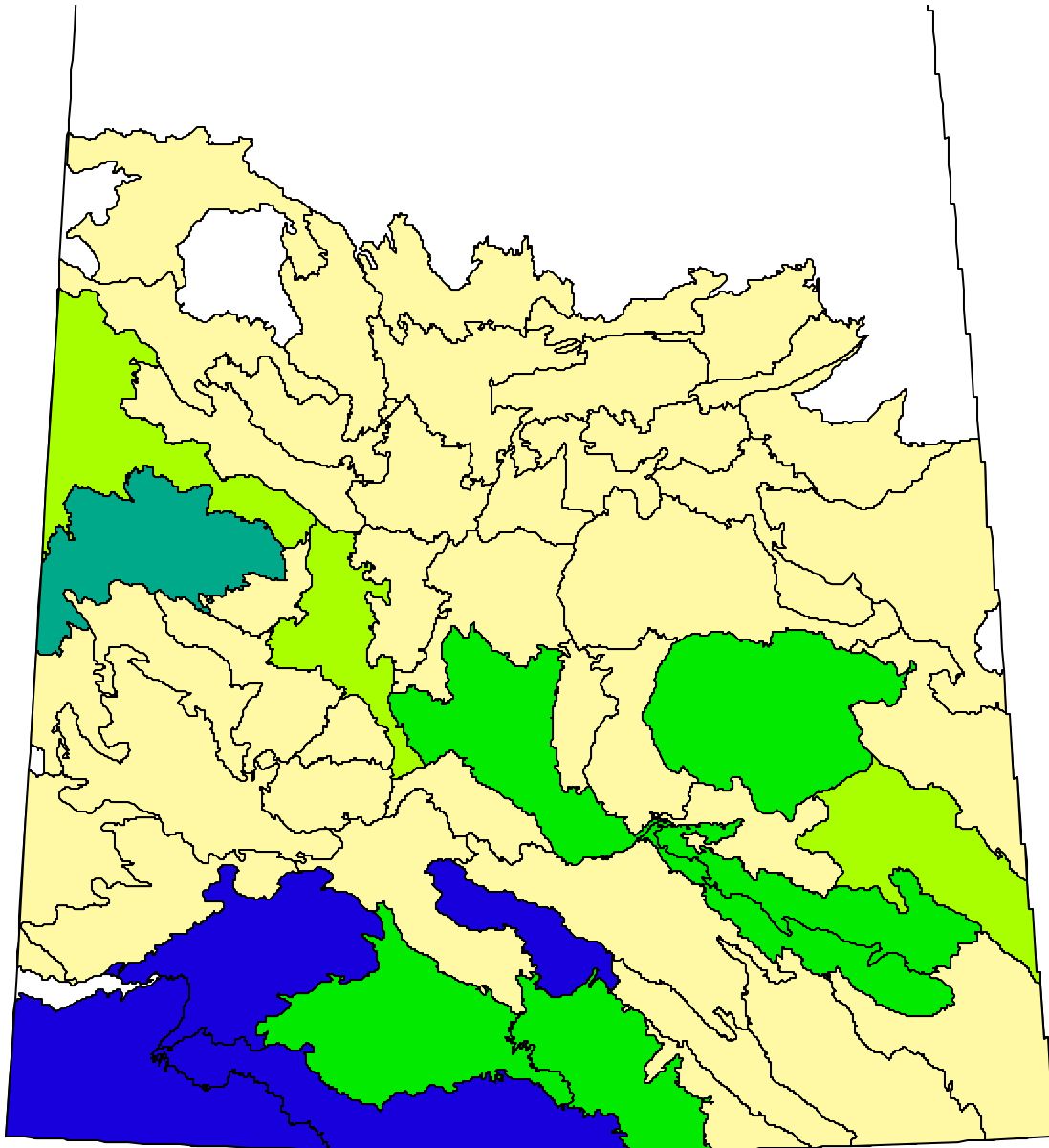
# Perennial sow-thistle



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

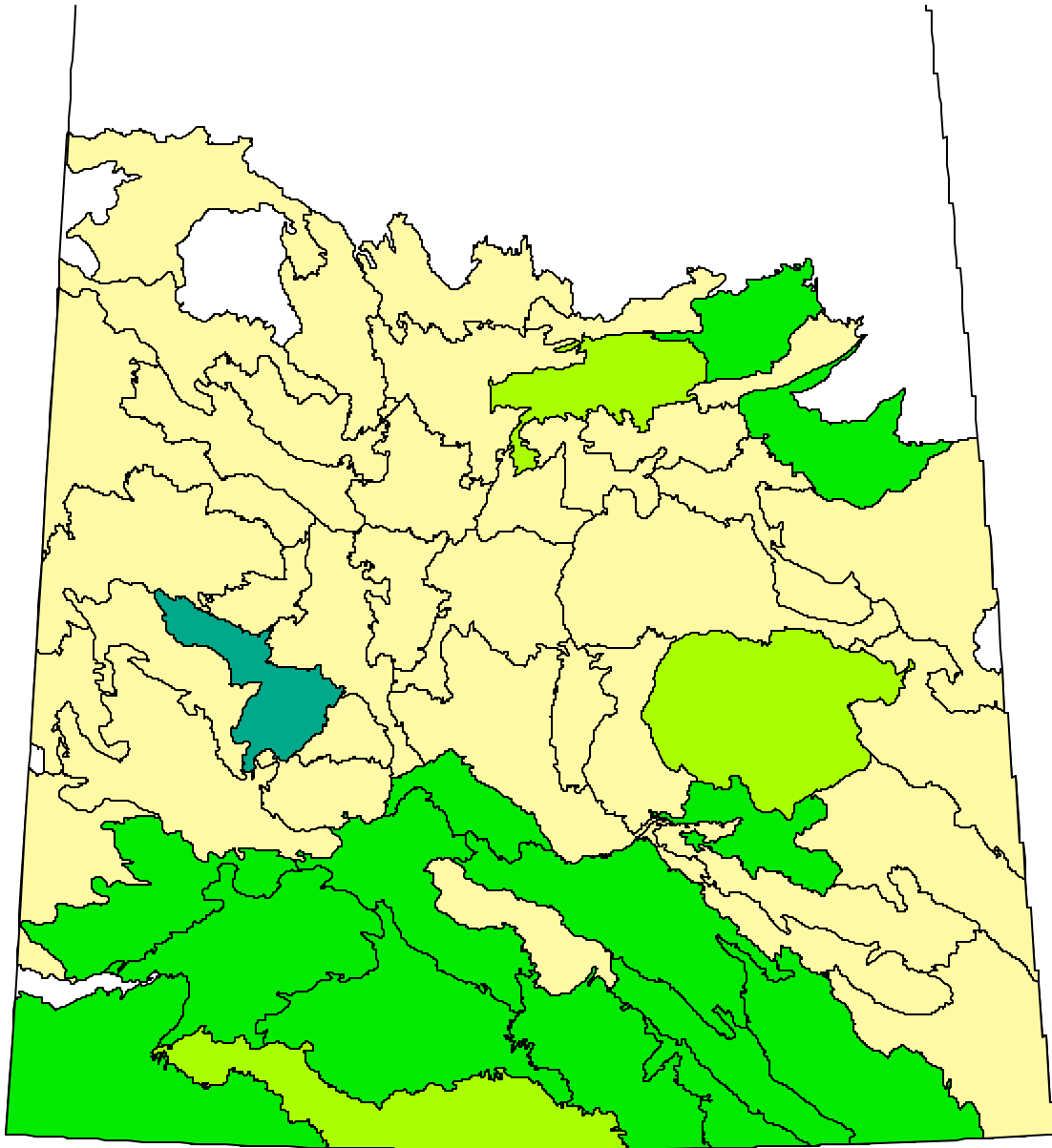
# Persian darnel



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

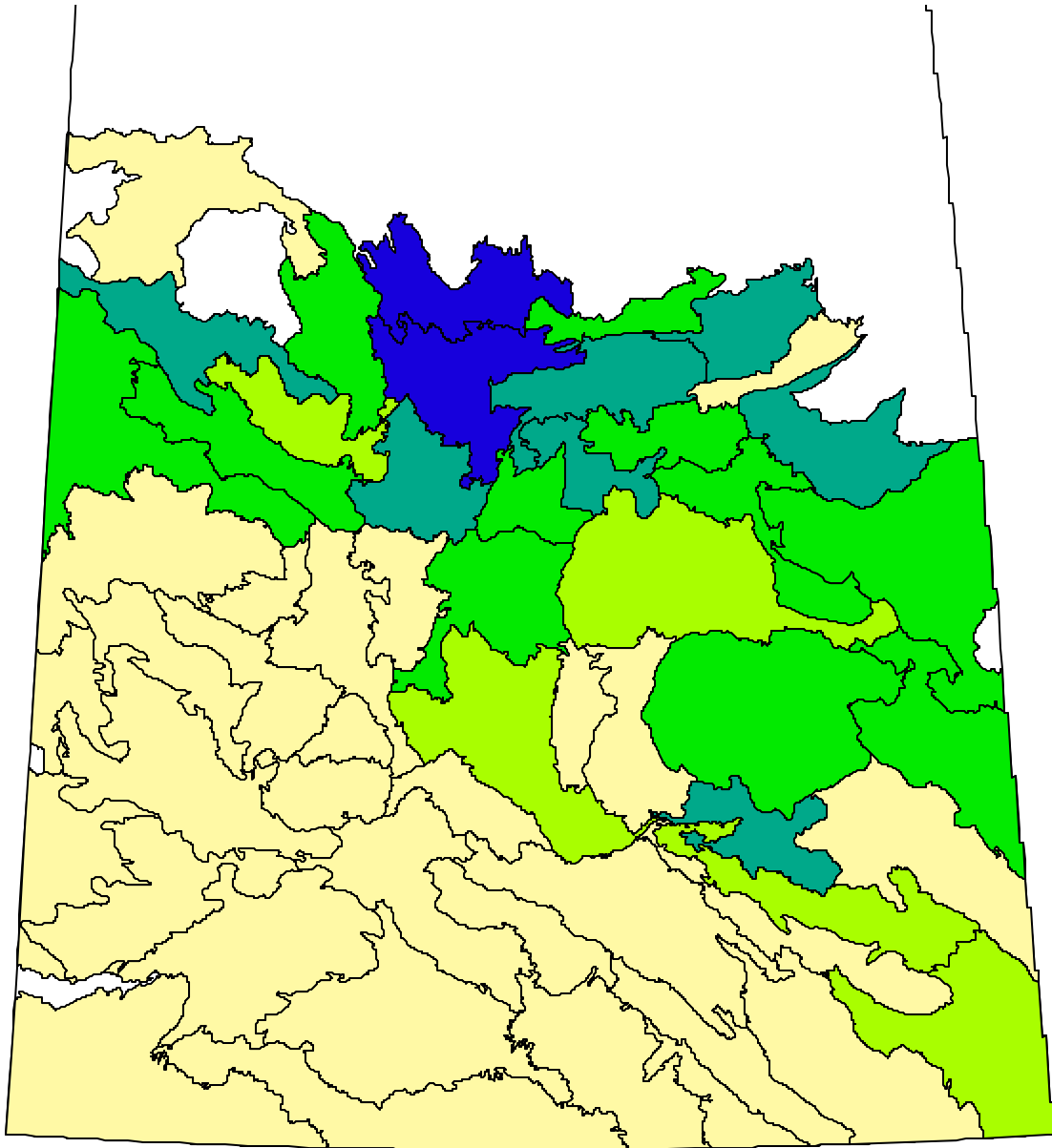
# Prickly lettuce



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

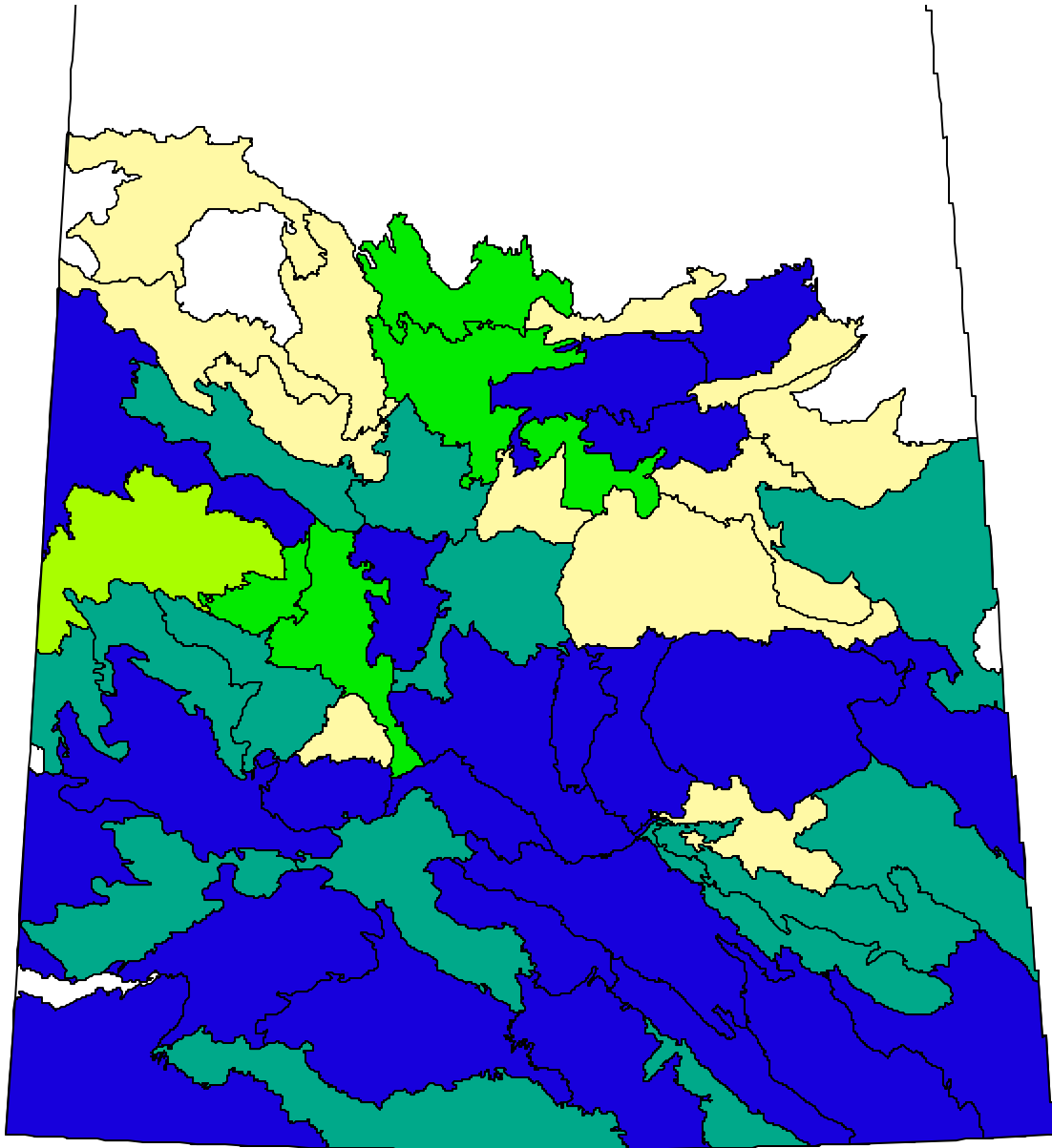
# Quack grass



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

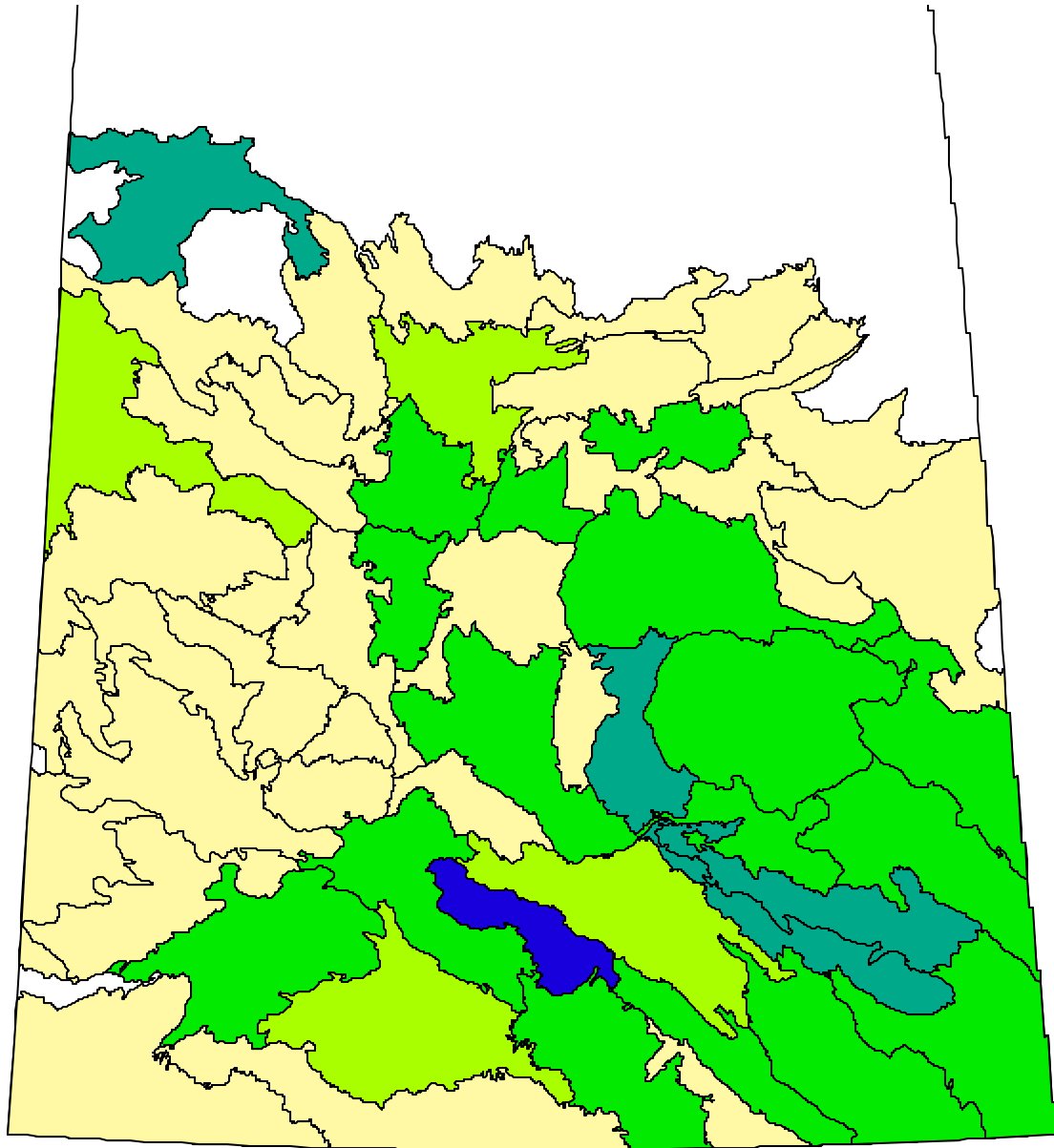
# Redroot pigweed



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

# Round-leaved mallow

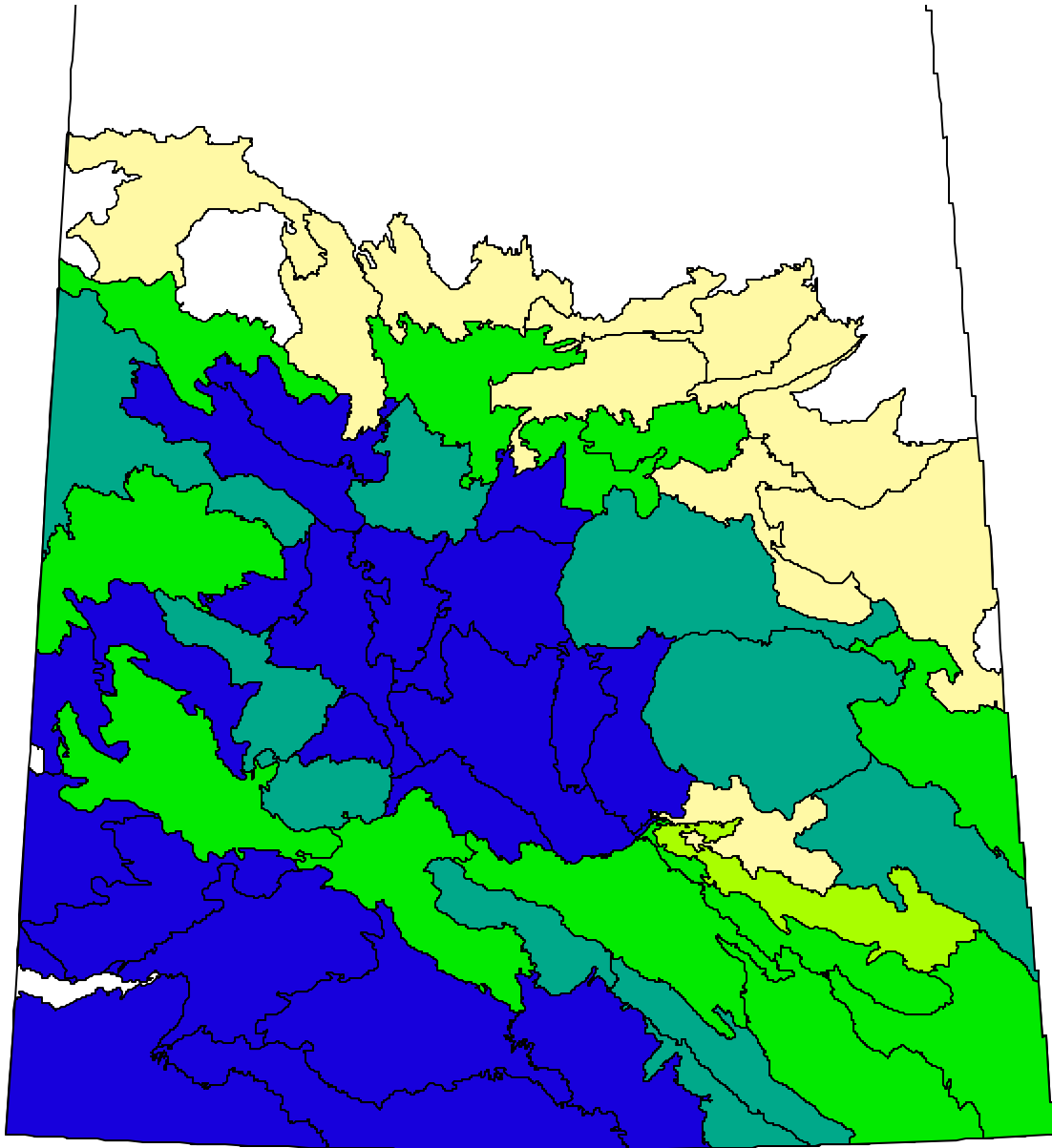


## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |



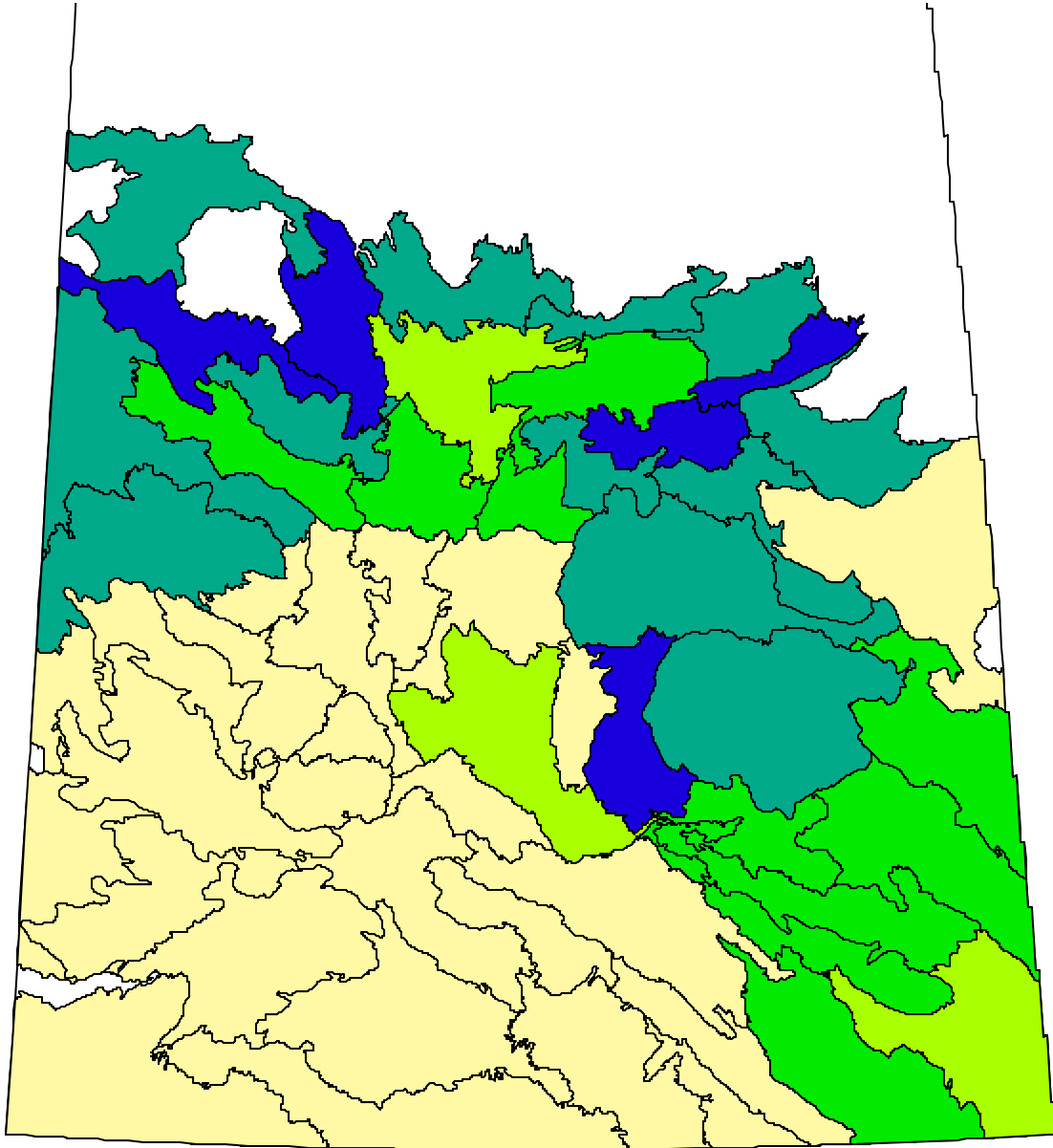
# Russian thistle



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

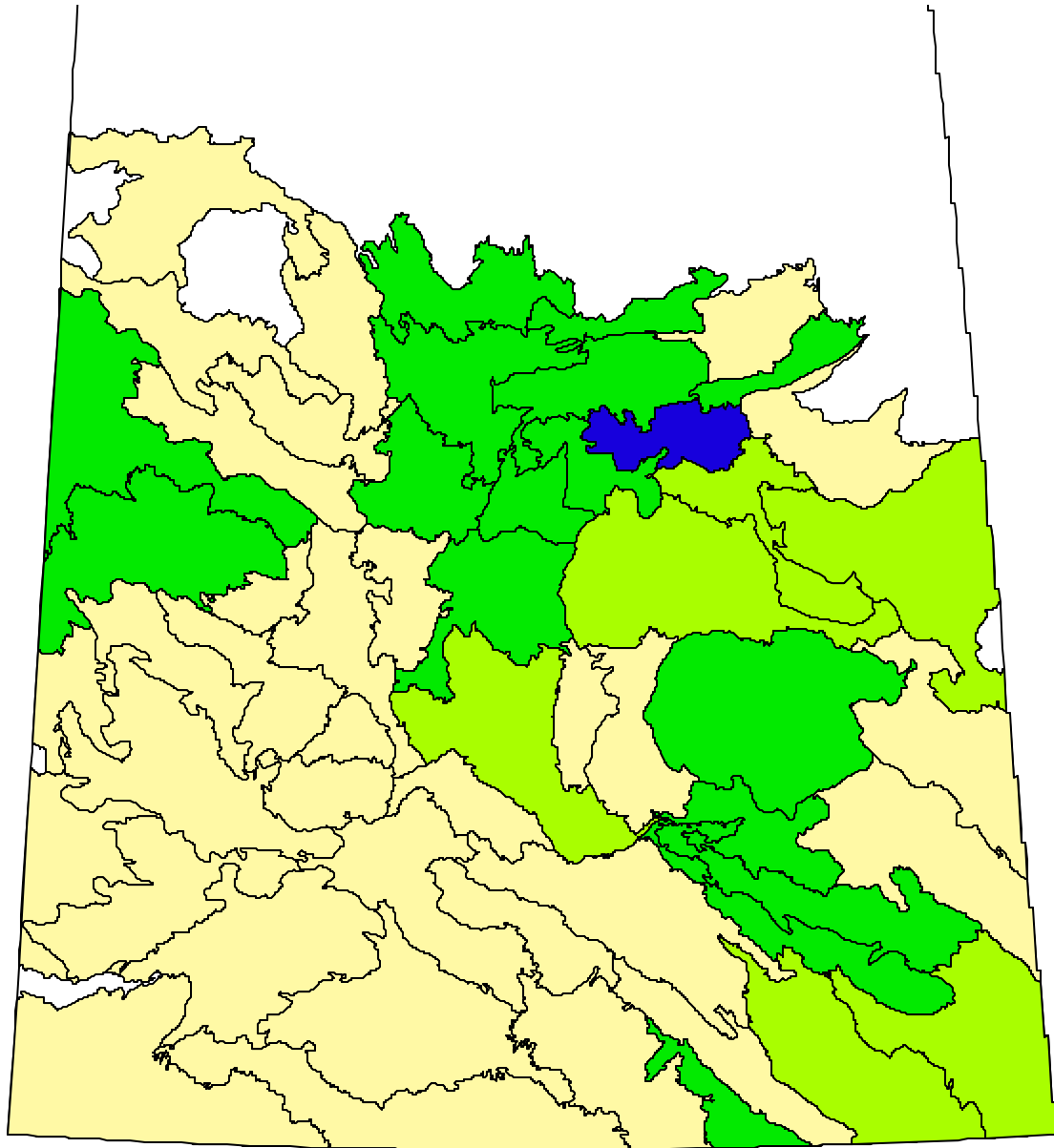
# Shepherd's-purse



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

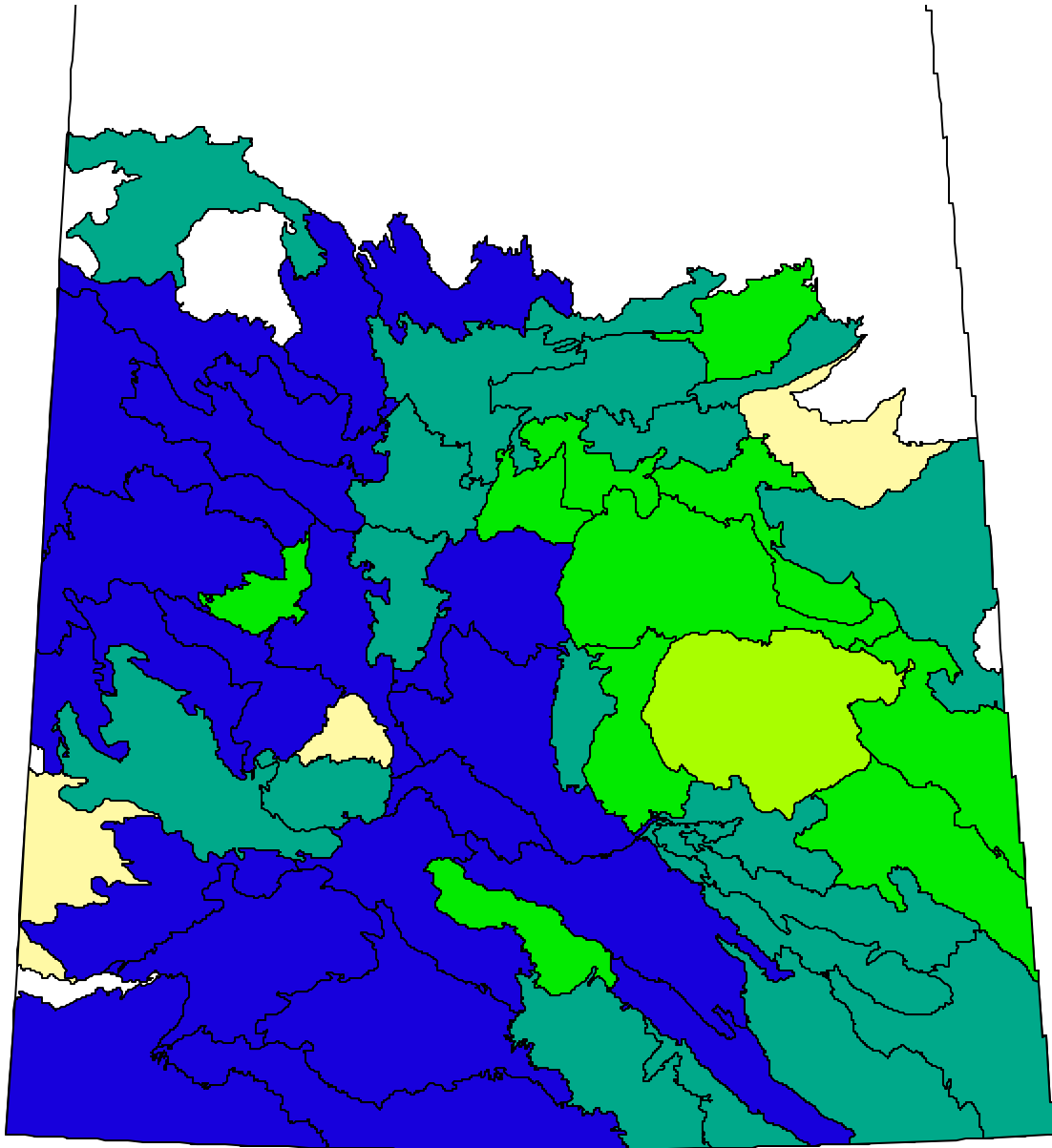
# Spiny annual sow-thistle



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

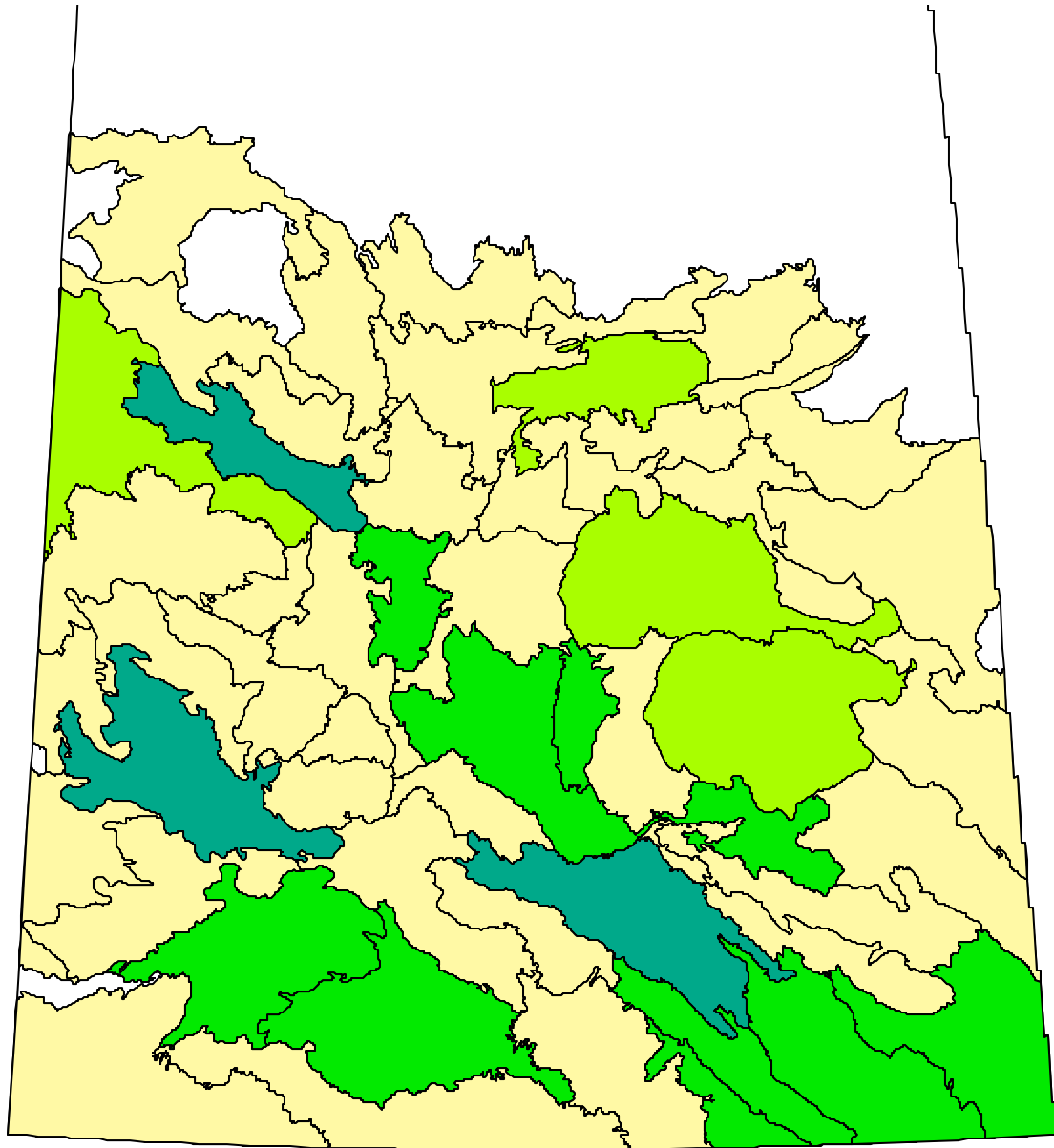
# Stinkweed



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

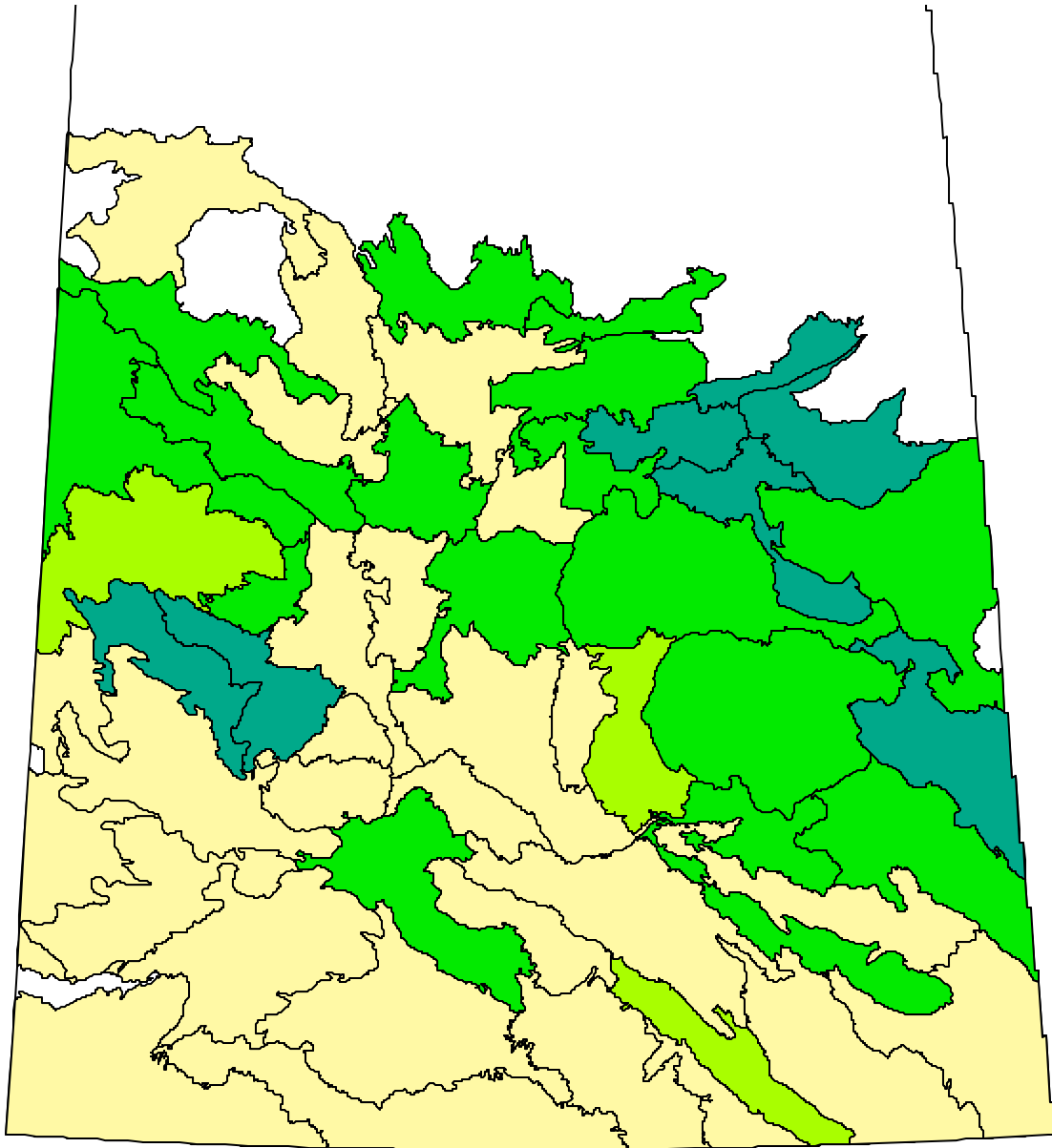
# Thyme-leaved spurge



## Relative Abundance Index

<input type="checkbox"/> Not included	<input type="checkbox"/> 1.1 to 4
<input type="checkbox"/> Absent	<input type="checkbox"/> 4.1 to 10
<input type="checkbox"/> 0.1 to 1	<input type="checkbox"/> More than 10

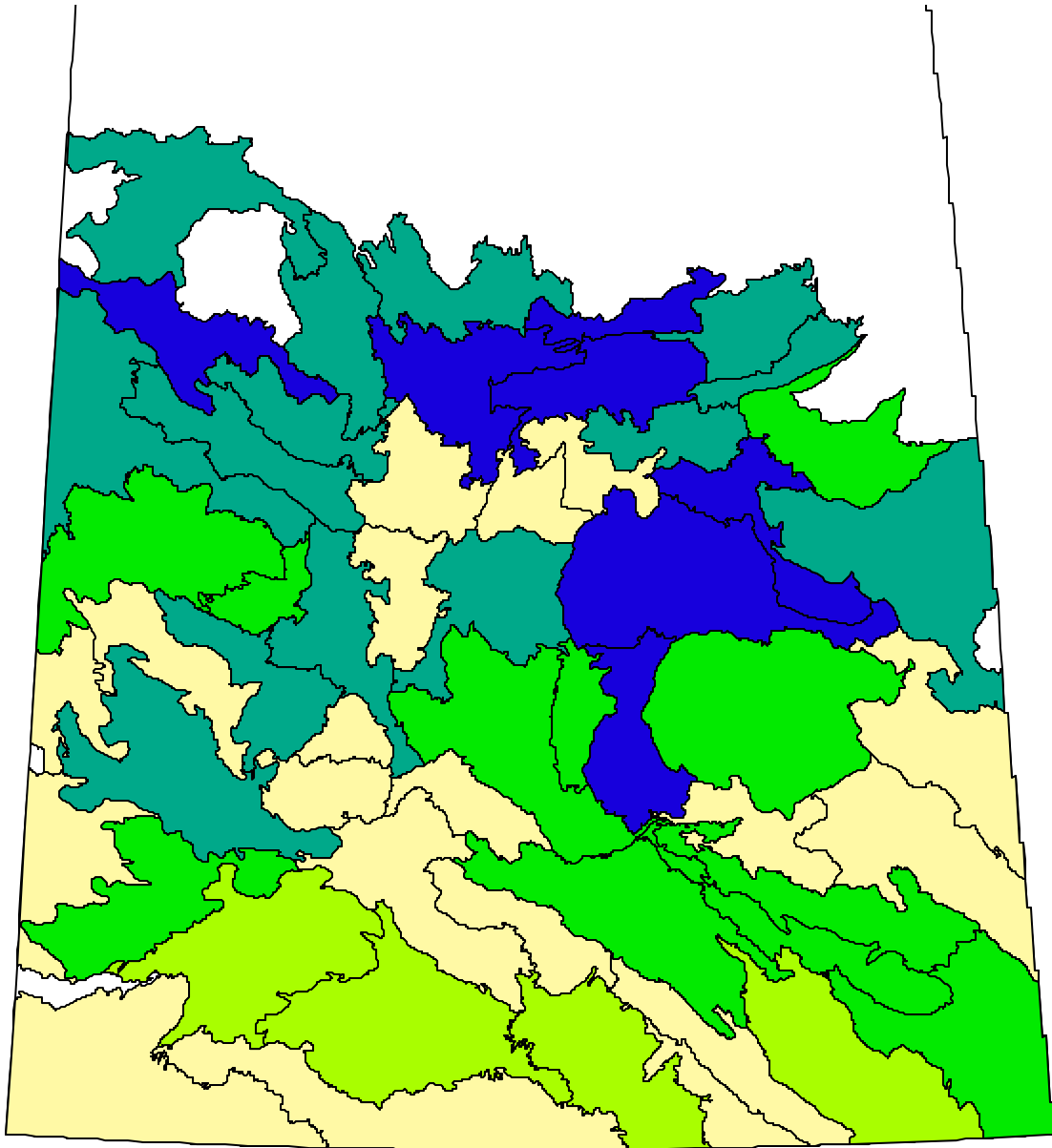
# Volunteer barley



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

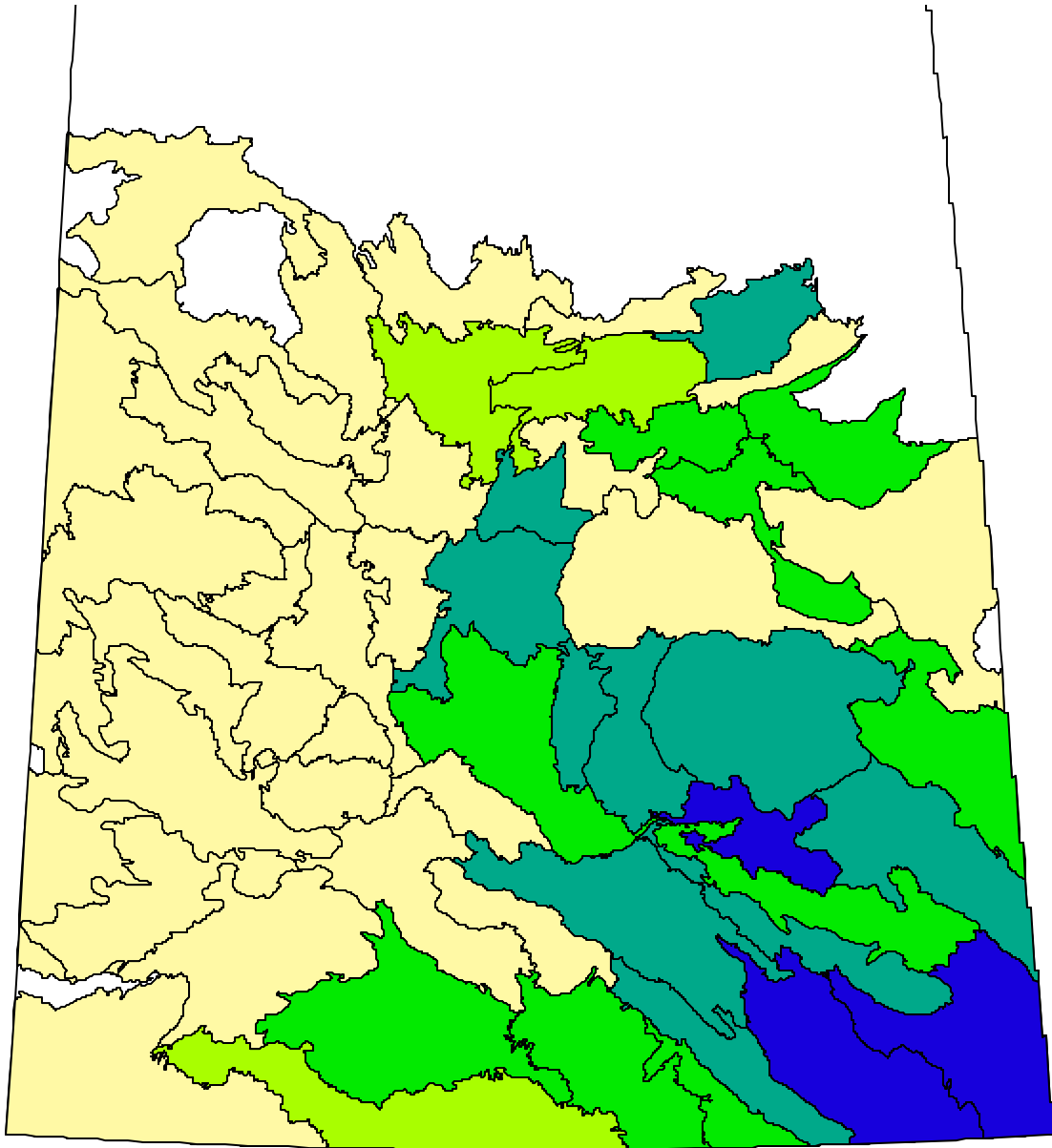
# Volunteer canola (Argentina)



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

# Volunteer flax

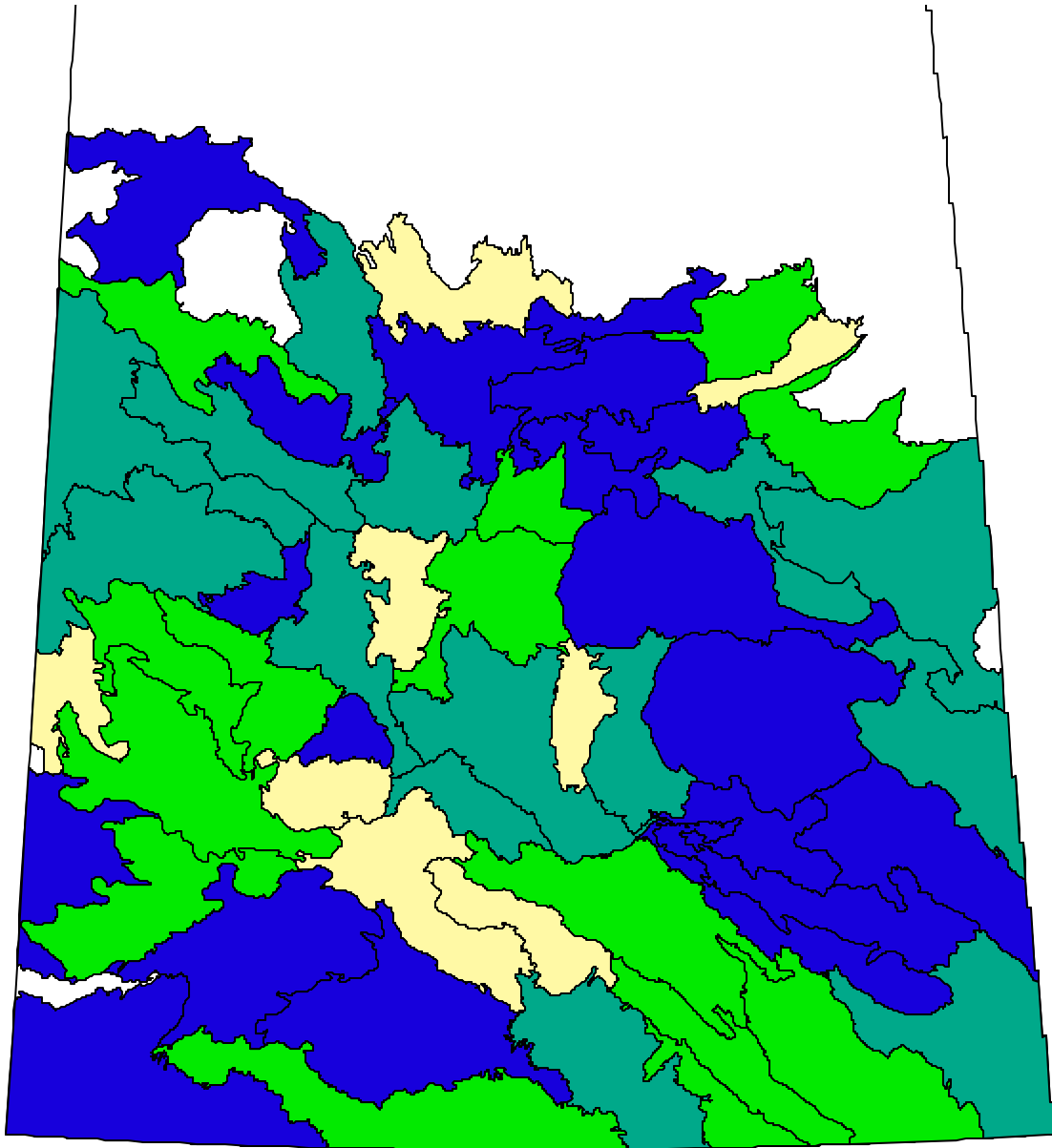


## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |



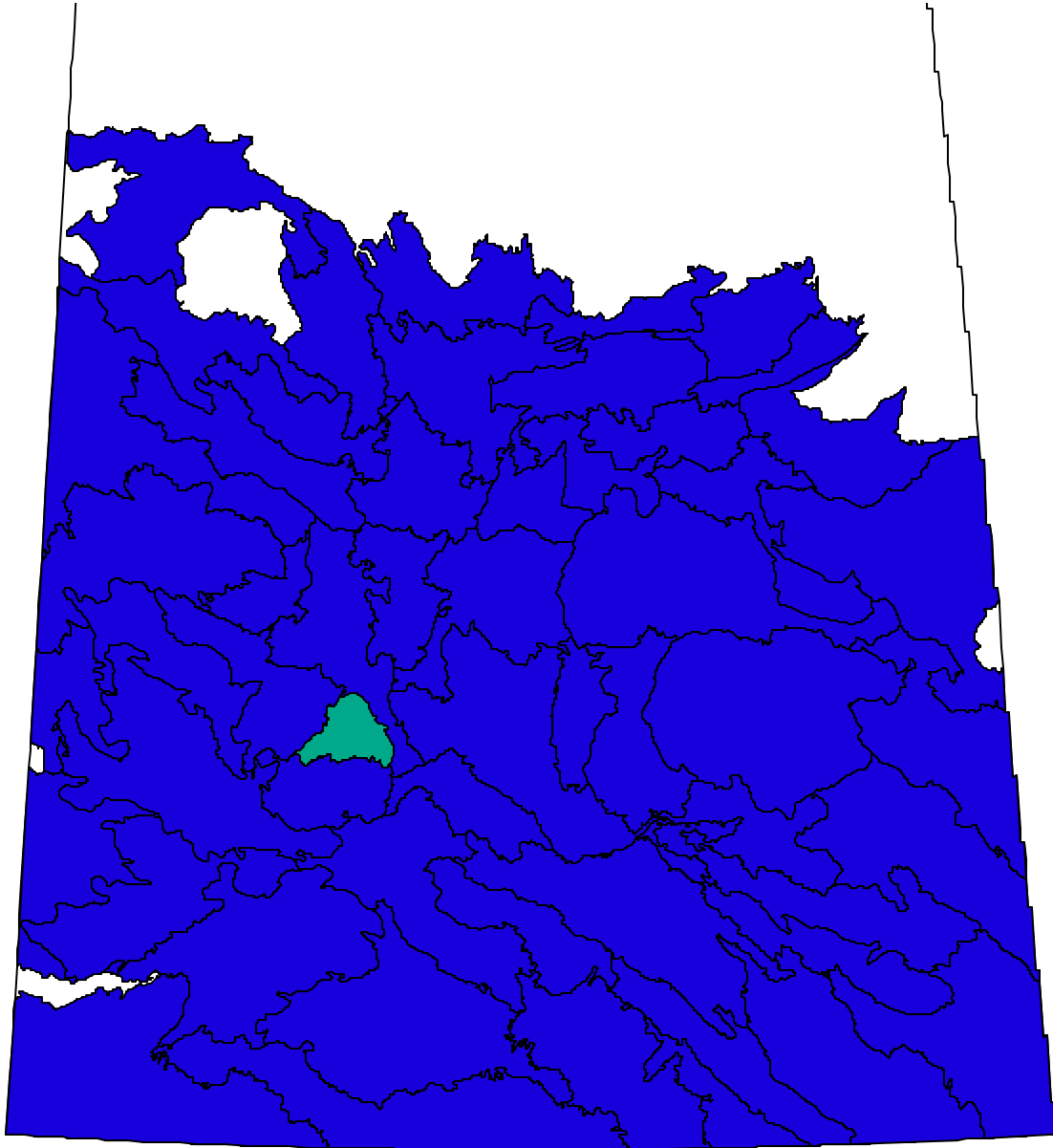
# Volunteer wheat/durum



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

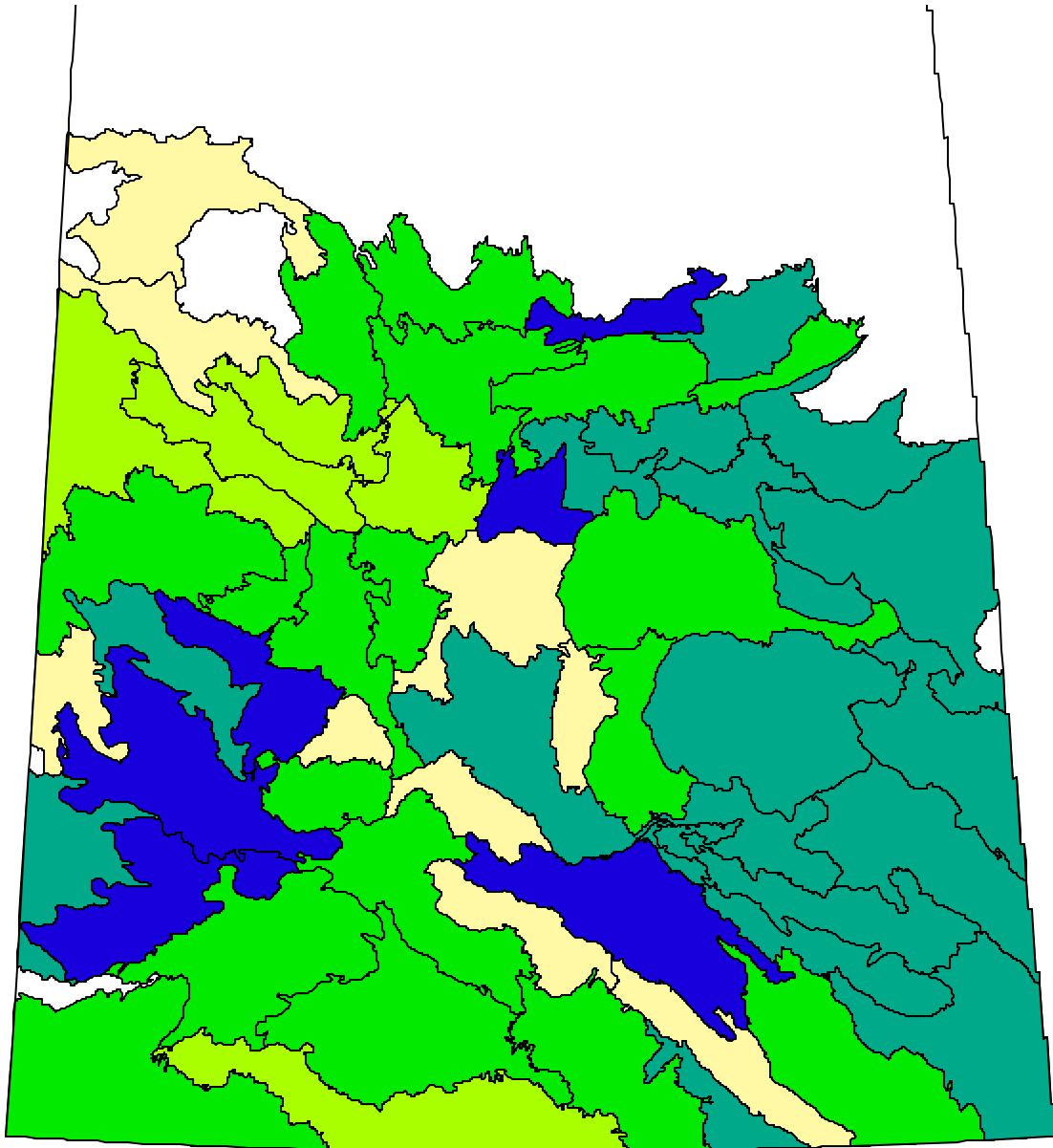
# Wild buckwheat



## Relative Abundance Index

- |                |                |
|----------------|----------------|
| □ Not included | ■ 1.1 to 4     |
| ■ Absent       | ■ 4.1 to 10    |
| ■ 0.1 to 1     | ■ More than 10 |

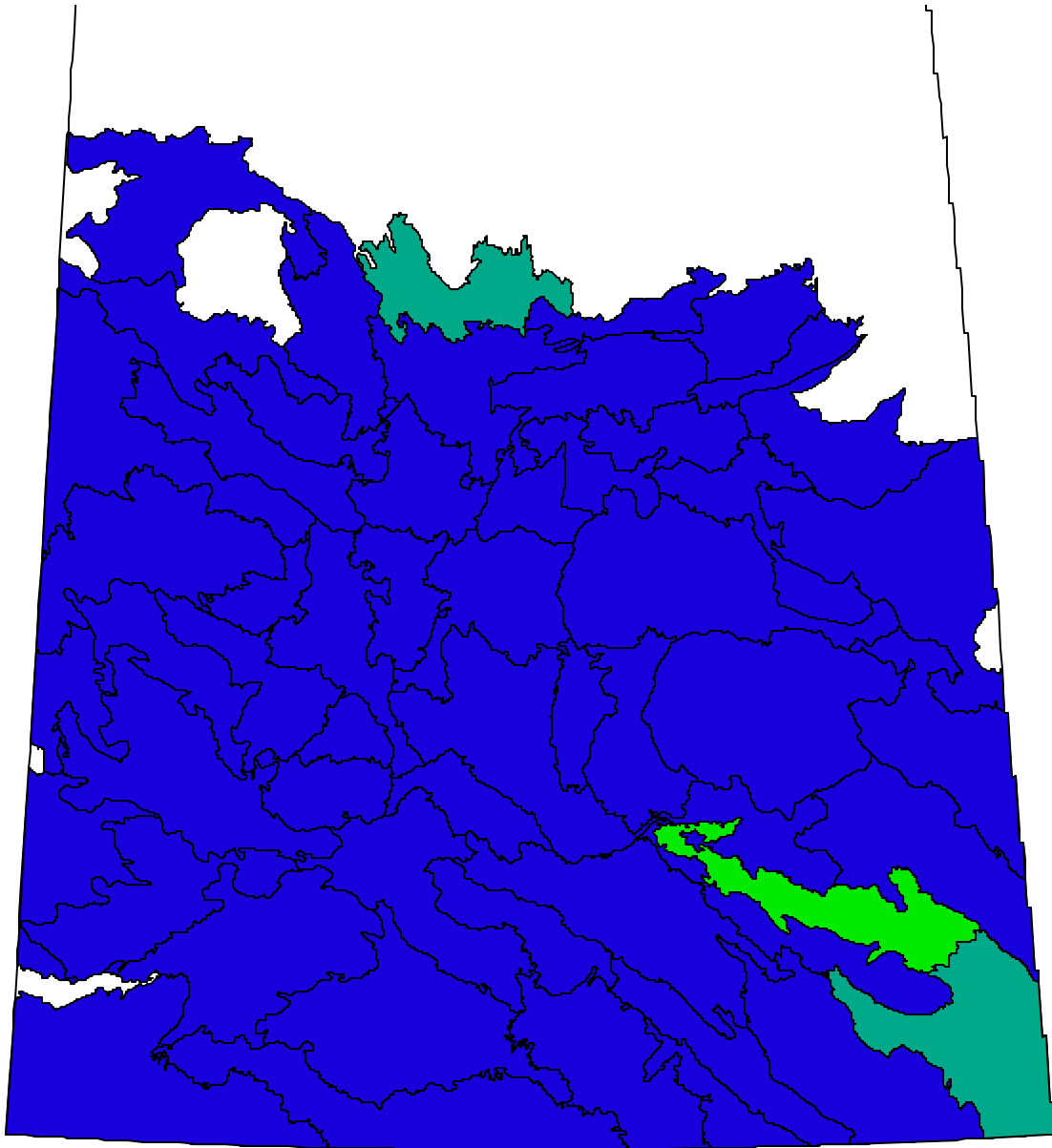
# Wild mustard



## Relative Abundance Index

□ Not included	■ 1.1 to 4
■ Absent	■ 4.1 to 10
■ 0.1 to 1	■ More than 10

# Wild oats



## Relative Abundance Index

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> Not included | <input type="checkbox"/> 1.1 to 4     |
| <input type="checkbox"/> Absent       | <input type="checkbox"/> 4.1 to 10    |
| <input type="checkbox"/> 0.1 to 1     | <input type="checkbox"/> More than 10 |