



# **WHEATLAND COUNTY**

## **Agricultural Service Board Meeting Agenda**

April 29, 2020, 9:00 a.m.

Note: This meeting will be conducted via conference call in accordance with the Municipal Government Act, 199

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Note: meetings are recorded and may be posted on the official Wheatland County website and/or via social media.	
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# **WHEATLAND COUNTY**

## **Agricultural Service Board**

### **Organizational Meeting Minutes**

January 15, 2020 9:00 a.m.

Members Present: J. Wilson  
T. Ikert  
A. Link  
B. Van Laar  
B. Armstrong  
B. Walker  
D. Biggar  
G. Koester  
S. Klassen

Members Absent: R. Harwood

Administration: R. Muenchrath, Manager of Agriculture and Environment  
M. Soltys, Communications Specialist  
G. Mowat, Recording Secretary

#### **1. CALL TO ORDER AND RELATED BUSINESS**

##### **1.1 Call To Order**

Note: meetings are recorded and may be posted on the official Wheatland County website and/or via social media.

The Manager of Agriculture and Environment R. Muenchrath called the 2020 Wheatland County Agricultural Service Board (ASB) Organizational Meeting to order at 9:00 A.M.

Note: Member Biggar was not present when the meeting was called to order. Member Biggar entered the meeting at 9:07 A.M. during item 2.21.3, 2022 Provincial Agricultural Service Board Summer Tour.

##### **1.2 Nominations (Chair & Vice Chair)**

###### **1.2.1 Nomination of Chair**

Manager R. Muenchrath called for nominations for the position of Chair for the ensuing year.

Link nominated Wilson.

Manager R. Muenchrath called for further nominations; no further nominations were forthcoming.

Manager R. Muenchrath declared Wilson as Chair for the Agricultural Service Board (ASB) for the ensuing year.

###### **1.2.2 Nomination of Vice Chair**

Chair Wilson called for nominations for the position of Vice Chair for the ensuing year.

Armstrong nominated Koester.

Chair Wilson called for further nominations; no further nominations were forthcoming.

Chair Wilson declared Koester Vice Chair for the Agricultural Service Board (ASB) for the ensuing year.

### **1.3 Adoption of Agenda**

#### **RESOLUTION ORG ASB-2020-01-01**

Moved by LINK

THAT the Organizational Meeting Agenda be adopted, as presented.

• Carried

## **2. ITEMS FOR DISCUSSION AND RELATED BUSINESS**

### **2.1 Appointments to Committees**

#### **2.1.1 ASB Bursary and Environmental Stewardship Committee**

##### **RESOLUTION ORG ASB-2020-01-02**

Moved by LINK

APPROVAL to re-appoint the following members to the Agricultural Service Board Bursary and Environmental Stewardship Awards Committee; based on the information provided in the request for decision: J. Wilson, T. Ikert, B. Van Laar, B. Armstrong (alternate).

• Carried

#### **2.1.2 Alternative Land Use Services (ALUS) Partnership Advisory Committee (PAC)**

Manager R. Muenchrath reviewed a request for decision regarding appointments to the Alternative Land Use Services Partnership Advisory Committee. [Note: The term for two (2) ASB members at large and one (1) ASB member and one alternate, previously appointed, will run with the term of the ASB membership of the appointee].

#### **2.1.3 2022 Provincial Agricultural Service Board Summer Tour**

##### **RESOLUTION ORG ASB-2020-01-03**

Moved by KLASSEN

APPROVAL to rely on the Agricultural Service Board in 2020 for early planning of the 2022 Provincial Agricultural Service Board Tour.

• Carried

### **2.2 ASB April 8, 2020 Change of Meeting Date**

#### **RESOLUTION ORG ASB-2020-01-04**

Moved by ARMSTRONG

APPROVAL to change the April 8, 2020 scheduled Agricultural Service Board meeting date to April 1, 2020.

• Carried

## **3. INFORMATION ITEMS**

No Information Items

4.     **ADJOURNMENT**

**RESOLUTION ORG ASB-2020-01-05**

Moved by KOESTER

          THAT the Agricultural Service Board meeting adjourn at 9:09 A.M.

• Carried

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Manager of Agriculture and Environment

\_\_\_\_\_  
Recording Secretary

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## **WHEATLAND COUNTY**

### **Agricultural Service Board Minutes**

January 15, 2020, 9:15 a.m.

**Members Present:**

Chair J. Wilson  
Vice Chair G. Koester  
A. Link  
B. Van Laar  
B. Armstrong  
B. Walker  
D. Biggar  
T. Ikert  
S. Klassen

**Members Absent:**

R. Harwood

**Administration:**

R. Muenchrath, Manager of Agriculture and Environment  
M. Soltys, Communications Specialist  
G. Mowat, Recording Secretary

#### **1. CALL TO ORDER AND RELATED BUSINESS**

##### **1.1 Call To Order**

Note: meetings are recorded and may be posted on the official Wheatland County website and/or via social media.

Chair Wilson called the meeting to order - time 9:10 A.M.

[Note: several staff entered and left at various times during the meeting.]

##### **1.2 Adoption of Agenda**

###### **RESOLUTION ASB-2020-01-01**

Moved by IKERT

THAT the agenda is approved, as presented, with the following additions:

Under Agenda Item 2.2 Unfinished Business or Business Arising

2.2.1 - Email from Mr. Rich Smith, Executive Director, Alberta Beef Producers, dated December 23, 2019, regarding 19-10-08 RE: Resolutions for RMA Conference

Under Agenda Item 2.3 New Business

2.3.5 - Ratification of a letter of support Re: Rural Opportunities Fund Project, signed by Chair Wilson

Under Agenda Item 4 - Correspondence & Information Items

4.1 - Correspondence from D. Macaulay, dated January 8, 2020, regarding a survey "Seeking Albertans' input on agriculture research"  
- Correspondence from Farm Safety Centre, dated January 6, 2020  
- Correspondence from Alberta Farm Animal Care  
- Insect Survey Results - 2019 - Wheatland  
- Southern Alberta Weed Coordinator 2019 Program Highlights  
- Evaluation of Strychnine Baiting on Richardson's Ground Squirrel

• Carried

### 1.3 Adoption of Minutes

#### 1.3.1 ASB Meeting Minutes - October 2, 2019

##### **RESOLUTION ASB-2020-01-02**

Moved by KOESTER

THAT the October 2, 2019 Wheatland County Agricultural Service Board (ASB) meeting minutes are approved, as presented.

• Carried

## 2. ITEMS FOR DISCUSSION AND RELATED BUSINESS

### 2.1 Presentations / Delegations

#### 2.1.1 10:00 A.M. Presentation - Alberta Farmland Trust

Manager R. Muenchrath provided the following hard copies of information on the Alberta Farmland Trust:

- The Urgent Need for the Formation and Support of an Alberta Farmland Trust
- New Farmland Trust aims to preserve good soil

On behalf of Alberta Farmland Trust, Mr. S. Carscallen, provided a brief biography and a verbal presentation on the Alberta Farmland Trust; pursuing a project to develop a mechanism for the preservation of farmland. Discussion followed. The verbal presentation and discussion is included in the recording of the minutes and is posted on the County Website for public viewing.

##### **RESOLUTION ASB-2020-01-11**

Moved by IKERT

TO ACCEPT as information the Alberta Farmland Trust presentation, as presented.

• Carried

### 2.2 Unfinished Business or Business Arising

#### 2.2.1 Email, Mr. R. Smith, Executive Director, Alberta Beef Producers, dated December 23, 2019

Manager R. Muenchrath reviewed email from Mr. R. Smith in regards to issues regarding on-farm protests and trespasses and municipal taxation. Discussion followed.

### 2.3 New Business

#### 2.3.1 ASB Equipment Disposals

##### **RESOLUTION ASB-2020-01-03**

Moved by LINK

THAT the Board recommend the disposal of Unit #300 - Portable Livestock Scale, Rubber Mats and Radio-Frequency Identification (RFID) tag reader to the Rockyford, Cheadle and Hussar 4-H Beef Clubs for the sum of one dollar.

• Carried

### 2.3.2 ASB Business Plan & Policy Review

#### **RESOLUTION ASB-2020-01-04**

Moved by IKERT

TO ACCEPT the updated 2020-2022 Agricultural Services Department Business Plan as presented/provided.

• Carried

### 2.3.3 Children's Book - "Dirt to Dinner"

#### **RESOLUTION ASB-2020-01-05**

Moved by BIGGAR

TO ACCEPT the correspondence received regarding the Children's Book "Dirt to Dinner" as information.

• Carried

### 2.3.4 2020 Provincial Agricultural Service Board Resolutions

#### **RESOLUTION ASB-2020-01-06**

Moved by IKERT

THAT the Agricultural Service Board approves to accept as information the 2020 Provincial Agricultural Service Board resolutions as presented.

• Carried

### 2.3.5 Ratification of Letter of Support RE: Rural Opportunities Fund Project - WC Mercantile

Manager R. Muenchrath reviewed letter addressed to Community Futures Network of Alberta, dated January 14, 2020, RE: Rural Opportunities Fund Project - WC Mercantile. The letter is in support for consideration of Community Futures Wild Rose providing funding support to the development of the WC Mercantile initiative by Wheatland County's Economic Development division.

#### **RESOLUTION ASB-2020-01-07**

Moved by LINK

APPROVAL to ratify the letter of support for consideration of Community Futures Wild Rose providing funding support to the development of the WC Mercantile initiative by Wheatland County's Economic Development division, as presented.

• Carried

## **3. REPORTS AND RELATED BUSINESS**

### **3.1 Chair's Report**

Chair Wilson presented the Chair's Report. The verbal report provided highlights of a meeting with the Minister of Agriculture. Discussed numerous issues including relationship with China. Working with federal government to allow more rail access at this time. Pleasure meeting with minister, important have those relationships. The verbal presentation and discussion is included in the recording of the minutes and is posted on the County Website for public viewing.

**RESOLUTION ASB-2020-01-08**

Moved by WILSON

ACCEPTANCE of the ASB Chair Report, as presented.

• Carried

**3.2 Manager of Agriculture and Environment Report**

R. Muenchrath, presented the Manager of Agriculture & Environment Report (report included in ASB agenda information package).

**RESOLUTION ASB-2020-01-09**

Moved by KLASSEN

ACCEPTANCE of the Manager of Agriculture & Environment Report, as presented/provided.

• Carried

**3.3 Alberta Agriculture and Forestry Key Contact Report**

No Report.

**4. CORRESPONDENCE / INFORMATION**

**4.1 Correspondence & Information Items**

**RESOLUTION ASB-2020-01-10**

Moved by VAN LAAR

TO ACCEPT the following items as information, as provided:

- Yellowhead County letter from Alberta Agriculture and Forestry
- Yellowhead County letter received from the Canadian Food Inspection Agency
- The Association of Alberta Agricultural Fieldmen
- Foothills Forage and Grazing Association Newsletter
- Pest Insider Newsletter
- Safe Food for Canadians Regulations
- Correspondence from D. Macaulay, dated January 8, 2020, regarding a survey "Seeking Albertans' input on agriculture research"
- Correspondence from Farm Safety Centre, dated January 6, 2020
- Correspondence from Alberta Farm Animal Care
- Insect Survey Results - 2019 Wheatland
- Southern Alberta Weed Coordinator 2019 Program Highlights
- Evaluation of Strychnine Baiting on Richardson's Ground Squirrel.

• Carried

**5. NEXT REGULAR MEETING**

April 1, 2020

6.     **ADJOURNMENT**

**RESOLUTION ASB-2020-01-12**

Moved by KLASSEN

        THAT the Agricultural Service Board meeting adjourn at 10:38 A.M.

• Carried

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Manager of Agriculture and Environment

\_\_\_\_\_  
Recording Secretary

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# Wheatland County

## Request for Decision

Agricultural Service Board

April 29, 2020

Report prepared by: Russel Muenchrath



## Agricultural Service Board Grant Program Application 2020 - 2024

### Recommendation from Administration

Move to ratify the Agricultural Service Board Grant Program Application 2020-2024 as presented.

### Chief Administrative Officer's Comments

N/A

### Report

The Agricultural Service Board Grant assists ASB's with duties and programs under the legislative requirements of the Agricultural Service Board Act, Weed Control Act, Agricultural Pests Act, Soil Conservation Act and to a lesser extent the Animal Health Act. It also supports the development and delivery of programs under the Resource Management component of the grant which is aimed at extension programming that will help increase awareness, understanding and implementation of sustainable agricultural practices. Historically all ASB's in the province have received \$168,359/year in grant funding for legislative projects which has been reduced to \$122,326/year under the new grant with the Resource Management component of the grant being competitive. For the past 3 years we have received \$74,000/year for what was originally called Environmental Stream funding (now Resource Management) in which we are requesting \$90,000/year in funding. The new grant is for a 5 year period (2020 – 2024) as opposed to the previous 3 year grant cycle and was submitted to Alberta Agriculture on April 24, 2020.

### Relevant Policies, Practices, and Legislation

N/A

### Alignment with the Strategic Plan

N/A

### Response Options

Option 1: THAT the proposed recommendation is accepted/approved.

Option 2: THAT the proposed recommendation is not accepted/approved.

Option 3: THAT an alternate recommendation is accepted/approved.

### Implications of Recommendation

#### **General**

N/A

#### **Organizational**

N/A

**Financial**

Funding request of \$90,000/year under the Resource Management Funding Stream

**Environmental, Staff, and Public Safety**

N/A

**Follow-up Action / Communications**

Application has been submitted

## Report Approval Details

Document Title:	Agricultural Service Board Grant Program Application 2020-2024.docx
Attachments:	- Wheatland County_ASB Program Application.pdf - 2020-24 ASB Grant Terms and Conditions.pdf
Final Approval Date:	Apr 23, 2020

This report and all of its attachments were approved and signed as outlined below:



Russel Muenchrath



Michael Ziehr

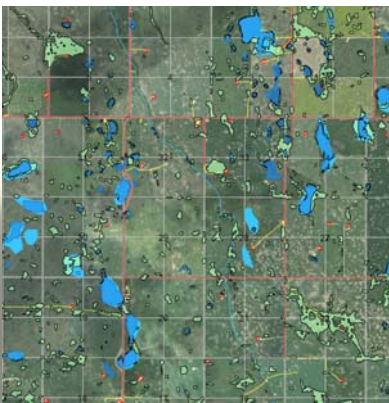


Brian Henderson



# Wheatland County

Agricultural Service Board Grant Program 2020-2024



# Wheatland County Agricultural Service Board Grant Program 2020-2024

## Schedule “A” Application

**Application Deadline: Friday, April 24<sup>th</sup>, 2020**

### 1. Grant Program Information

<b>Grant Overview</b>	<ul style="list-style-type: none"> <li>Municipalities on behalf of Agricultural Service Boards (ASBs) may apply for an ASB grant under the Program for Legislative Funding Stream (LFS) only or Legislative Funding Stream plus Resource Management Funding Stream.</li> <li>The Resource Management Funding Stream will be a merit-based process, without a base level of funding.</li> <li>There is a one-time Application process for a five-year term.</li> <li>Please refer to the Agricultural Service Board Grant Program 2020-2024 Terms and Conditions (Program Terms and Conditions) for defined terms and further details regarding the Program.</li> </ul>
<b>Grant Program Objectives</b>	<ul style="list-style-type: none"> <li>Support ASBs with the administration of legislative requirements under the <i>Agricultural Service Board Act</i>.</li> <li>Support ASBs in the development and delivery of resource management extension programming to increase awareness, understanding and implementation of sustainable agricultural practices with an emphasis on meeting industry standards that support consumer expectations.</li> </ul>
<b>Grant Application Deadline</b>	<ul style="list-style-type: none"> <li>Applications must be received by AF or postmarked on or before <b>April 24<sup>th</sup>, 2020</b> to be eligible for both Funding Streams.</li> <li><b>Applications received after April 24<sup>th</sup>, 2020 will not be eligible for funding.</b></li> </ul>
<b>Eligibility Criteria Summary</b>	<ul style="list-style-type: none"> <li>Please refer to the Program Terms and Conditions for more information.</li> </ul>
<b>Program Activities that are not eligible for grant funding</b>	<p>The following activities are not eligible for Program funding under either funding stream:</p> <ul style="list-style-type: none"> <li>Non-agriculture related education and extension activities</li> <li>Any other activity deemed to be ineligible by the Minister</li> </ul>

### 2. Applicant Information

<b>Legal Name of the Applicant (Municipality)</b>	Wheatland County
<b>Contact Name and Title:</b>	Russel Muenchrath Manager of Agriculture and Environment
<b>Contact Primary Phone #:</b>	403-934-3321
<b>Contact Email Address:</b>	Russel.Muenchrath@wheatlandcounty.ca
<b>Contact Mailing Address</b>	Hwy #1, RR #1 Strathmore, AB T1P 1J6
<b>Contact Fax Number</b>	403-934-4889

### 3. Program Application Process

<b>Checklist of supporting documentation that is to be submitted with the Program Application Form</b>	<b>ASB Grant Program for 2020-2024 Application Checklist</b>	
	Applicant is applying for (Please check one box): <input type="checkbox"/> Legislative Funding Stream Only Is the Municipality a Participating Municipality in any other Resource Management Funding Stream grant application under the Program? <input type="checkbox"/> No <input type="checkbox"/> Yes, _____ (Name of Municipality applying) <input type="checkbox"/> Legislative Funding Stream + Resource Management Funding Stream <input type="checkbox"/> Enhanced, list all Participating Municipalities _____	
	<input type="checkbox"/> Application Completed and Signed	
	<input type="checkbox"/> Schedule A is completed, as applicable and attached	
<b>Application Submission Process</b>	Method of Submission:	Applications must be submitted by mail with original signatures.
	Submission Address:	By mail to: ASB Program Coordinator Alberta Agriculture and Forestry Room 303, 7000 - 113 Street Edmonton, Alberta T6H 5T6
<b>Reminder: The ASB Grant Program Application is due April 24<sup>th</sup>, 2020.</b>		

### Notice of Collection

<b>Agricultural Service Board Act and Freedom of Information and Protection of Privacy Act</b>
The information collected on and with this form is for the purposes of administering the Agricultural Service Board Grant Program as contemplated in Section 7 of the <i>Agricultural Service Board Act</i> . The information is collected in accordance with and is subject to the provisions of the <i>Freedom of Information and Protection of Privacy (FOIP) Act</i> . If you have any questions or concerns regarding the collection or use of this information, please contact the ASB Grant Program Manager, Doug Macaulay at 6547 Sparrow Drive, Leduc, Alberta T9E 7C7. Phone: 310-0000 and dial (780) 980-4878. Email: <a href="mailto:doug.macaulay@gov.ab.ca">doug.macaulay@gov.ab.ca</a>

### 4. Certification and Mandatory Signatures for Application

I certify that the information given on this Application is true and correct to the best of my knowledge. I am authorized by the Applicant to submit this application on its behalf.			
Signature	Date	Signature	Date
Print name and title of authorized signature		Print name and title of second authorized signature, where applicable, or place seal here	

## 5. Grant Application Assistance

Contact your local ASB Grant Program Representatives for assistance		
Office of Program Contact	Contact Phone Number	Contact email address
Legislative Funding Stream Doug Macaulay Manager, ASB Unit	Call toll free at: 310-0000 and then dial (780) 980-4878	doug.macaulay@gov.ab.ca
Resource Management Funding Stream Dale Chrapko Manager, Resource Management Programs	Call toll free at: 310-0000 and then dial 780-644-1969	dale.chrapko@gov.ab.ca

## 6. Useful Resources

Use the following resources to find information on the ASB Grant Program	
Resource	Website Address
All ASB forms and ASB Grant Program Terms and Conditions	<a href="http://www.alberta.ca/agricultural-service-boards-program-overview.aspx">www.alberta.ca/agricultural-service-boards-program-overview.aspx</a>

## 7. Supporting Schedules

The following supporting schedule is included with this Application Form and must be completed by the applicant to apply for the Legislative and Resource Management Funding Streams of the Program:	
<b>Schedule A</b>	<p>Please complete the following sections depending on which Funding you are applying for:</p> <ul style="list-style-type: none"> <li>• Part A if only applying for Legislative Funding Stream</li> <li>• Parts A &amp; B if applying for Legislative Funding Stream plus Resource Management Funding Stream</li> </ul>

## ASB Legislative and Resource Management Funding Stream Financial Summary

Estimated Statement of Expenditures (Includes Legislative and Resource Management Programming)

Calendar Year	Total Annual Budget
2020	\$ 1,341,687
2021	\$ 1,799,616
2022	\$ 1,744,945
2023	\$ 1,490,230
2024	\$ 1,745,675



## Schedule A

### Part A (must be completed for all applications)

#### Situation Statement (A brief overview of your ASB program)

##### Agricultural and Environmental Situation Statement

###### Overview

Wheatland County has a diverse agricultural community of just over 8,700 residents. The County is in the grassland natural subregion and black and dark brown soil (Chernozemic) soil zones of Alberta. Its area is 4,545 km<sup>2</sup>. 2011 statistics identified that a total of 782 farm units (810 in 2016) produce food on a total of 1,121,462 acres (453,840 ha) in the County with an average farm size of 1294 acres. ~55% of producers are involved in cattle production and ~60% in field crops. Perennial tame forages used for grazing and livestock feed use 81,398 acres (32,941ha) of farmland, native pasture covers 178,707 (72,320ha) acres. 573,009 acres (321,888ha) are under a zero tillage regime and 103,950 acres (42,067ha) are under a minimum tillage regime. The total number of cattle and calves in the County is 162,218. The Western Irrigation District (WID) centered out of Strathmore, operates 1100+ kilometers of irrigation canals and shares a similar boundary with the County. Distributing water for crop irrigation, stock watering, domestic, and municipal supplies. In 2011, there was 46,822 acres (18,948ha) under irrigation in the County. Portions of 19 Hutterian Brethren Colonies are also located within in the County, they are involved in many avenues of agricultural production.

*\* These numbers have been extracted from the 2011 Stats Canada, Farm and Farm Operator Data for Wheatland County.*

The County is divided by the Red Deer River and the Bow River watersheds. The Serviceberry Creek and Rosebud River watersheds drain into the Red Deer River and the Crowfoot Creek drains into the Bow River. The County's numerous pothole prairie wetlands provide many ecological goods and services. Named bodies of water include Severn Dam, Eagle, Deadhorse, Dalemead, Mattoywkiu, Seui and Namaka Lakes. Other sensitive areas include: native pastureland, solonetzic and saline soils, and the Wintering Hills.

There has been a history of Agricultural Service Boards in this community since 1946. Currently 5 out of 7 members of County Council sit on the Board with 3 farm advisory positions. Agricultural staff at Wheatland County include the positions of: Manager of Agriculture and Environmental Services, Russel Muenchrath; Agricultural Foreman, Jason Regehr; Environmental Coordinator, Alyssa Robb, Agricultural Services Officer, George Bloom; Equipment Operator, Sheldon Roes; Administrative Assistant, Gay Mowat and; Agricultural Conservation Coordinator, Sarah Schumacher. Field positions include 3 seasonal equipment operators.

###### ASB Policy Goals

**Goal 1** – To operate as an effective, viable, pro-active Agricultural Service Board that fosters the growth and development of partnerships.

**Goal 2** – To promote agriculture and the rural way of life

**Goal 3** – To be responsive to current issues and trends in agriculture and incorporate them into ongoing programs.

**Goal 4** – To help prevent the spread and establishment of invasive weed species through an integrated vegetation management program.

**Goal 5** – To help prevent the establishment and spread of declared pests and assist with the control of nuisance pests as described in the agricultural Pests Act.

**Goal 6** – To maintain the integrity of agricultural soils through the delivery and support of the Soil Conservation Act.

**Goal 7** – To assist in the control of animal diseases under the Animal Health Act.

**Goal 8** – To promote watershed health with a view to protect agriculture and the environment.

## Wheatland County Infrastructure

### Roads

Wheatland County maintains a total of 2725 km of roadway (road length is categorised by surface type):

- Dirt 163.4 km
- Gravel 2608 km
- Chip Seal 45.6 km
- Paved 132.8 km
- Reclaimed Asphalt Pavement 14.4 km

### Parks/ Reserves (located in or bordering Wheatland County)

- Severn Dam Park – Wheatland County
- E-29-27-20W4 Nature Conservancy of Canada (Rosebud River)
- Agrium Nodwell Nature Preserve(Bow River) - Western Sky Land Trust
- Bruce Islands(Bow River) - Western Sky Land Trust
- Wyndham-Carseland Provincial Park

### Cemeteries

- Gleichen Catholic and Community Cemeteries: SW 18-22-26-W4
- Rosebud Cemetery : SW 18-27-21-W4

### Gravel Pits (add new one)

- NW 27-26-18 W4 (Wintering Hills)
- NW 34-27-26 (Thurn)
- NE 3-22-25 W4 (Christensen)
- NE 8-22-21 (Goldsmith)

### Waste Transfer Stations

- 8

### Hamlets & Subdivisions

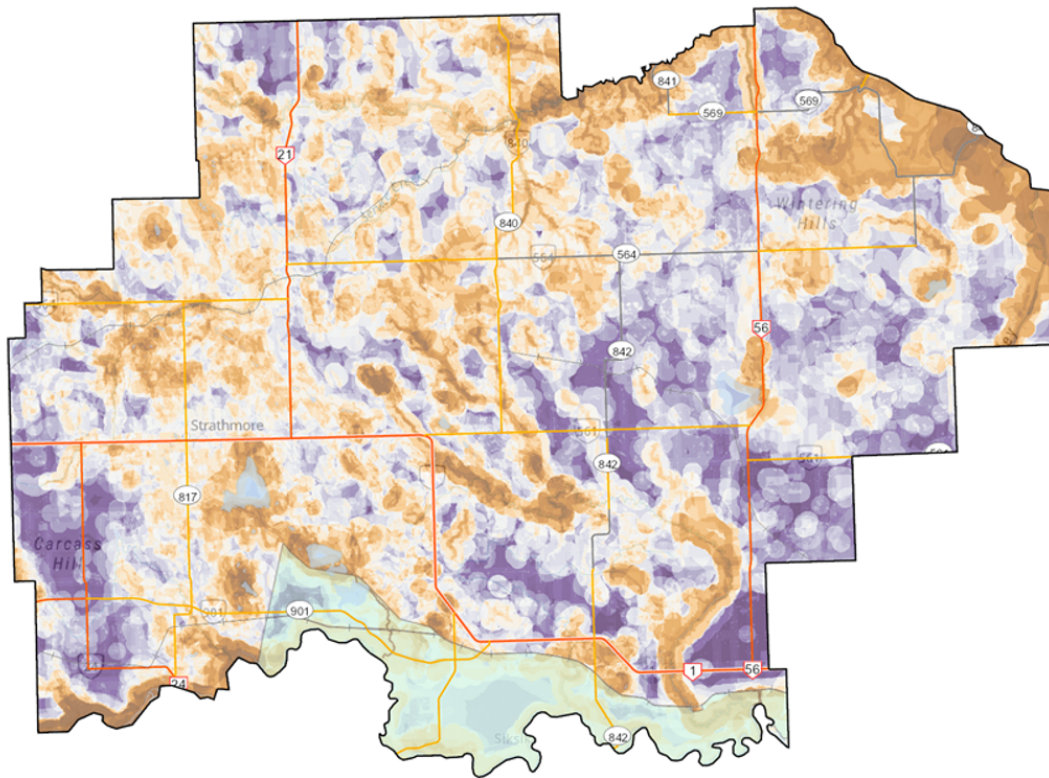
- 14

## Agricultural and Environmental Situational Statement

According to Agriculture Intensity Index of Alberta map Wheatland County has the second highest category of agricultural intensity. Data from the Agricultural Land Resource Atlas of Alberta also shows that areas within the County have the greatest risk for surface water quality, manure production, biodiversity/ species at risk, wind erosion, water erosion and air quality. Information from the following sources has helped to provide direction for setting our goals and priorities:

In 2019 Alberta Agriculture and Forestry partnered with Wheatland County, the ALUS Partnership Advisory Committee and other members from our agricultural community to develop a conservation prioritization map (below). The objective was to identify and prioritize agricultural lands that have the greatest potential to support or improve: riparian health, water quantity and quality; biodiversity; and soil health to influence agricultural and environmental programming. The map will be used as a decision-making tool for the allocation of funding for resource management and conservation projects. The areas

with the greatest priority (brown) include the rivers, creeks and wetlands and their riparian areas, as well as native grasslands.



### Riparian Health Inventories

Community Riparian Health Inventories were completed by Cows and Fish on representative sites within the Crowfoot Watershed (2012, 2018, 2019) and the Rosebud River (2011) within the boundaries of Wheatland County. Both areas were graded as “healthy with problems”. Cows and Fish provided recommendations to improve riparian health in these watersheds which include: maintaining native plant communities, especially existing shrub communities; monitoring and controlling invasive weed populations; improvements to livestock grazing and watering access (e.g. off-river watering systems); maintaining limited recreational or agricultural use of downstream, healthy portions of the project area(Rosebud River); and maintaining or expanding existing buffers between cropland and the creek.

### Survey: Perspectives of Agricultural Producers

Wheatland County and the Miistakis Institute conducted a survey “Wheatland County Water Resources; Perspectives of the Agricultural Producers (June 2015). The final report delivered by the Miistakis Institute outlined key findings which include the following: over 75% of respondents felt that livestock access to riparian and wetland systems affect water quality; over half of Wheatland County agricultural producers, who participated in the survey reported time constraints, lack of resources, and costs as barriers to implementing BMPs. In their conclusions the Miistakis Institute stated that “water resources in the County would benefit from a greater number of producers acting to improve and /or restore wetlands and riparian areas”. They also felt that a greater understanding of incentives and resources available would enable more producers to restore or improve damaged wetlands and riparian areas.

### Western Irrigation District

The Western Irrigation District (WID) shared their water quality monitoring program report with Wheatland County. “Overall, in 2014 compliance with water quality objectives was 64% for total phosphorus, 59% for fecal coliform bacteria and 98% for conductivity. Compliance with benchmark

guidelines for dissolved phosphorus and total suspended solids was 59% and 81%, respectively". Palliser Environmental recommended to the WID that they should continue to encourage the implementation of beneficial management practices (BMPs) for the agricultural industry (i.e., offstream livestock watering and runoff controls). It should be noted that a significant portion of the WID return water flows through the Crowfoot watershed.

*Palliser Environmental Services Ltd., 2014, Western Irrigation District Water Quality Monitoring Program, Pg. 7, 32*

### **Information**

Information from the following studies has also helped to provide direction for setting our goals and priorities these include: Wheatland County Water Quality Monitoring Program (1998-2009); AESA Stream Survey Watershed Report (1999, 2005); Red-Bow Alliance - Water Quality Index scale; Red Deer River and Bow River State of the Basin Reports; and the Survey of Public Perceptions and Attitudes Towards Water in Wheatland County (2009). Based on this information surface water quality has been rated as fair to marginal in the Rosebud River, Serviceberry Creek and Crowfoot Creek. The contributors of surface water pollutants in these bodies of water are from agricultural runoff such as manure, fertilizer, nutrients, bacteria, sediment, agricultural chemicals and other major contributors such as municipal run off, waste water, and effects from industry.

### **Feedback**

Evaluation of the numerous workshop and conferences we are involved with is done on a regular basis. The information gathered from the evaluation process is used to develop future programming which meets the needs of our producers.

### **Extension needs**

Based on the information provided above it is evident that agricultural-environmental extension has a continued role to play in reducing the impact agriculture has on the natural resources in Wheatland County. Improving management of our water, soil resources and biodiversity are of high importance to Wheatland County now and for future generations.

## **Environmental Program History and Continuity**

Our aim is to promote sustainable management of our natural resources through information, demonstration, and community participation. We will work with local producers and partners towards the adoption of practices that will preserve, protect and enhance natural resources in Wheatland County.

Wheatland County has had a permanent employee dedicated to working on agri-environmental extension since 1991. The current Agriculture Conservation Coordinator has been in this position since 2006, but all ASB staff contribute to the resource stream programs.

The Wheatland County agri-extension programs began with the Canada-Alberta Soil Conservation Initiative (CASCI 1991-94), followed by the Canada-Alberta Environmentally Sustainable Agriculture (CAESA 1994-1997) Program, the Community Riparian Program, the Alberta Environmentally Sustainable Agriculture (AESA 1997-2010) and the ASB Environmental Stream (2011 to 2019). The County has partnered with Alberta Agriculture to promote and fund sustainable agriculture for over 16 years and for the past 6 years our budget has exceeded the dollars provided by the ASB Environmental Stream Funding. Our focus has been on soil conservation, watershed conservation and range and riparian health. We have been successful in developing programming which has increased producer awareness, interest and on the ground practice change.



Wheatland County also been a strong supporter of Alberta Agriculture and Forestry (AAF) programs. We have been involved with the Environmental Farm Plan (EFP) since its initiation and have provided technical assistance to producers since 2004. During this time we have also promoted and assisted producers with provincial programs, including the Canada Agricultural Partnership program applications and projects, we have hosted several Working Well workshops and have utilized numerous specialists over the years for workshops and distributed information developed by AAF.

The County has a long history of producer-initiated watershed groups, these include the Crowfoot Creek Watershed Partners, Rosebud River Watershed Group, and the Waters of Wheatland (WOW). These groups have done numerous surveys, studies and water quality monitoring over the past 21 years, which have contributed valuable information on the health of our watersheds. Although these groups are no longer active their work is carried on by the ASB agricultural environmental extension program.

### **Partnerships**

Partnerships are an integral component of the Wheatland County ASB conservation program. Our partnerships are a good source of communication and information exchange between other organizations with common goals. The benefits of these partnerships are in efficiency and effective development of programs for producers. Current partners include (but not limited to):

- Foothills Forage and Grazing Association (FFGA)
- Cows and Fish, Alberta Riparian Habitat Management Society
- Red-Bow Agricultural Partnership is a collaboration between Wheatland County, Red Deer County, Mountain View County, Rocky View County, Kneehill County, M.D. of Bighorn, *Resource Partners Include:* Olds College, Alberta Agriculture and Forestry, Cows and Fish, Foothills Forage and Grazing Association, Gray Wooded Forage Association.
- Western Irrigation District (WID)
- Bow River Basin Council
- Red Deer River Watershed Alliance
- ALUS Canada
- Rocky View County
- Clean Farms

### **ASB Environmental Funding Stream Program Successes (2017-2019)**

Our previous program goals were to work towards improving air quality and impacts on climate change, Watershed Health, soil quality and quantity. Our ASB Environmental program achievements over the past 3 years include (but not limited to):

- Initiation of the ALUS Wheatland Program, providing annual per acre funding to landowners providing ecosystem services
- Crowfoot Creek Watershed Resiliency and Restoration Project implementation (improving riparian health)
- Approval of the Rosebud River Watershed Resiliency and Restoration Project (improving riparian health)
- Approval of the Shelterbelt and Ecobuffer Seedling grant
- Continued support for the Canada Agriculture Partnership

- Continued support for the Environmental Farm Plan program
- Wheatland Agricultural Stewardship Program (grant)
- Safe Water Wells Action Plan (grant)
- Partnerships such as the Red-Bow Agricultural Stewardship Program
- Set up of the grain bag rolling program

### Wheatland County ASB Vision

The Wheatland County Agricultural Service Board is committed to strengthening; promoting and supporting agriculture and the environment within our municipality with a view to continually improve how we operate in future years.

### Wheatland County ASB Mission

The ASB develops and implements programs and policies that focus on the areas of weeds, pests, soil and water conservation and environmental issues for the benefit of all residents. We work in partnership through good communication with other government agencies, the agriculture industry and residents on agricultural programs and issues.

### Wheatland County ASB Values

<b>Value 1</b>	Innovative – better ways...better benefits
<b>Value 2</b>	Transparent – accountable and open
<b>Value 3</b>	Honest – a trusting respectful relationship with everyone
<b>Value 4</b>	Ethical – doing the right thing with respect & dignity
<b>Value 5</b>	Professional – committed to achieving the highest standards of performance
<b>Value 6</b>	Consistent – can count on us

Goal	Strategy	Actions	Performance Measures	Results	
				Activities	Measures (#s)
<b>Goal Area 1:</b> <i>Delivery/support of the Agricultural Pests Act.</i>	Execute pest inspection control program duties	Appoint inspectors to conduct surveys of regulated pest species	<b>5 of pest inspectors appointed</b> <b>100 fields inspected</b> (Clubroot, Fusarium Head Blight, Virulent Blackleg)		
	Participate in Alberta Agriculture Surveys.	Grasshopper & Bertha Armyworm - others as time permits Provide tree sprayer and live animal traps for skunk and magpie control.	<b>40 Grasshopper survey locations</b> <b>2 Bertha Armyworm trap locations</b>		

	Rental Equipment		10 rentals.		
	Richardson's ground squirrel control	Sale of 2% liquid strychnine to producers. Use of bait stations.  Rocon on municipal lands.	Sale of 250 cases of strychnine. Deploy 35 bait stations registered rodenticide.  Treat 5 acres of municipal land with Rocon.		
	Livestock Predation	Respond to livestock predation calls and issue predacides if warranted for confirmed kills.			
<b>Goal Area 2:</b> <i>Delivery/support of the Soil Conservation Act.</i>	Execute soil conservation program duties	Appoint inspectors.	2 soil conservation officers appointed; 2 soil conservation inspections completed.		
	Road Construction	Undertake soil erosion control measures on municipal road construction. Forage seeding of road right of ways and borrow areas	Soil erosion control on 5 km of road construction.  Seed 12 Km of new construction		

<b>Goal Area 3:</b> <i>Delivery/support of the Weed Control Act.</i>	Execute weed control program duties.	Appoint Inspectors for private and public land & seed plant inspections.	5 of weed inspectors appointed. 100% of municipal and portable seed cleaning plants inspected within municipality 100 % of municipal right of way traveled for control of regulated weed species. 5 prohibited noxious weed sites investigated and controlled.		
		Integrated vegetation	20% of municipal right of way sprayed		

	Municipal vegetation Management.	management by simultaneously mowing and spraying at the same time. Spot spraying with trucks as required. Mowing of newly constructed roads.	<b>for control of regulated weed species.</b>  3500 KM 500 acre		
	Rental Equipment	Spraying and or mowing of Municipal hamlets, gravel stockpiles, Waste transfer sites and County yards.	<b>5 rentals</b>		
	Bow River Purple Loosestrife	Rental of pasture sprayer and weed wiper.  Participate in Purple Loosestrife inspection and control program.	<b>Inspect 13 km or river</b>		
<b>Goal Area 4:</b> <i>Support of the Animal Health Act</i>			<b>Zero reportable or notifiable diseases reported to the Office of the Chief Provincial Vet</b>		
<b>Goal Area 5:</b> <i>To operate as an effective, viable, pro-active ASB that fosters the growth and development of partnerships</i>	Secure funding from other sources.	Work with Grant Coordinator to explore opportunities.	<b>Apply for 1 new grant.</b>		
	Participate in Red Bow Agriculture Partnership.	Partner with Rocky View County, Mountain View			

	Fund organizations with common goals.	County, Kneehill County, Red Deer County and the MD of Bighorn.  Financial support of Alberta Farm Safety Council & Alberta Invasive species council.			
<b>Goal Area 6:</b> <i>To promote Agriculture and the rural way of life</i>	Newsletter  Webpage/social media  BMO Farm Family Award  Provide ASB Bursaries	Submission of articles and advertisements  Keep up to date to timely information  Yearly nomination of Wheatland County Farm Family Select Bursary recipients for students continuing their education in Agriculture or Environmental related studies	<b>6 newsletter/year</b>   <b>One nomination/year</b>  <b>Provide \$6000 in Bursaries</b>		
<b>Goal Area 7:</b> <i>To be responsive to current issues and trends in agriculture and incorporate them into ongoing programs</i>	Attendance at conferences and meetings	Attendance at South Region ASB Conference, Provincial ASB Conference, ASB Summer Tour, Host 2022 Summer Tour, AAAF In-Service Training and other	<b>All ASB members will attend at least one Agriculture related conference. Six staff members to IST and Industry training day.</b>		

		related Conferences			
	Staff Training	Encourage and facilitate training opportunities for staff to stay current.	<b>Provide an opportunity for all staff to participate in at least one training opportunity.</b>		
	Maintain membership in appropriate organizations	Memberships in AAAF, NAWMA, AISC, RCA, AFAC			
	Capital purchases	Investigate and recommend purchases to stay on the leading edge of technology	<b>Yearly budget process.</b>		
	Rental Equipment	Provide equipment not readily available to ratepayers from private industry	<b>6 rentals</b>		

#### Legislative Funding Stream – Detailed Estimated Statement of Expenditures

Calendar Year	A. Manpower	B. Program Activities	C. Capital Expenditures	D. Total Annual Budget (A+B+C)
<b>2020</b>	\$ 693,107	\$ 310,380	\$ 31,000	\$ 1,034,487
<b>2021</b>	\$ 772,969	\$ 348,447	\$ 371,000	\$ 1,492,416
<b>2022</b>	\$ 721,108	\$ 597,637	\$ 119,000	\$ 1,437,745
<b>2023</b>	\$ 735,530	\$ 367,500	\$ 80,000	\$ 1,183,030
<b>2024</b>	\$ 757,600	\$ 385,875	\$ 295,000	\$ 1,438,475
	Total A= \$3,680,314	Total B= \$2,009,839	Total C= \$ 896,000	Total D= \$6,586,153

Manpower: includes salary, wages, benefits and professional development of ASB staff.

\*Please include entire municipal ASB budget estimate that includes the amounts budgeted for the ASB grant funds.

## Part B

### Roles and Responsibilities of Participating Municipality Team

Please list the names of Participating Municipalities, Applied Research, and/or Forage Associations that will be contributing to the proposed Resource Management Funding Project) Please identify roles and responsibilities of the Applicant and each partner associations.

NA

### Resource Management Goal 1:

### Support the Environmental Farm Plan Program (10%)

#### Strategy 1

- Promote the program as a social license tool and encourage producers in Wheatland County to complete an Environmental Farm Plan
- Provide technical assistance and tools to any landowner who wishes to complete an Environmental Farm Plan in Wheatland County
- Provide assistance with other self-assessment tools as needed

#### Performance Measures

- Number of producers assisted
- Number of Environmental Farm Plans Completed
- Number of people attending extension events
- Number of people accessing extension materials (e.g. newsletters, web pages, articles, etc.)

Activity	Contributors / Partners Involved	To be carried out in:				
		2020	2021	2022	2023	2024
<b>Promote the EFP program to Wheatland County</b> Producers using tools such as the: <ul style="list-style-type: none"> <li>• County website</li> <li>• County newsletter</li> <li>• County social media</li> <li>• local radio</li> <li>• Local newspaper</li> <li>• Extension events</li> </ul>	Wheatland County	Y	Y	Y	Y	Y
<b>Provide one on one technical assistance to producers in Wheatland County who are completing an EFP</b>	Wheatland County	Y	Y	Y	Y	Y

<b>Require that all ALUS Wheatland participants complete an EFP</b>	<b>Wheatland County</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<b>Review all completed EFP's submitted to Wheatland County for approval</b>	<b>Wheatland County</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<b>Promote CAP and provide assistance to producers in Wheatland County who are completing CAP applications</b>	<b>Wheatland County</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<b>Attend EFP training sessions</b>	<b>ARECA/EFP</b> Trainer	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<b>Host EFP workshops as needed</b>	<b>Foothills Forage and Grazing Association</b> Partner  <b>ARECA/EFP</b> Partner	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<b>Communications</b>  <ul style="list-style-type: none"> <li>• Newsletter, 11,000 printed (6/year)</li> <li>• Consider an e-newsletter (bimonthly)</li> <li>• Minimum 6 articles/year on EFP</li> <li>• County Website</li> <li>• Local Newspaper (Strathmore Times)</li> <li>• Facebook (2617 followers)</li> <li>• Twitter (786 followers)</li> </ul>	<b>Wheatland County Communications Department</b> Partner	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>



## Resource Management Goal 2

### Support the Canada Agriculture Partnership Programs (CAP) (10%)

#### Strategy 2

- Promote the CAP programs as a social license tool and encourage producers in Wheatland County to apply to the Canada Agriculture Partnership programs
- Provide technical assistance and tools to any landowner completing Canada Agriculture Partnership program applications

#### Performance Measures

- Number of producers assisted with CAP applications
- Number of CAP applications completed
- Number of producers receiving assistance with CAP outside of direct help with applications. (e.g. informal conversations, referrals, etc.)
- Number of producers attending extension events
- Number of producers accessing extension materials (e.g. Newsletters, web pages, articles, etc.)

Activity	Contributors / Partners Involved	To be carried out in:				
		2020	2021	2022	2023	2024
<b>Promote the CAP programs to Wheatland County Producers using tools such as the:</b> <ul style="list-style-type: none"> <li>• County website</li> <li>• County newsletter</li> <li>• County social media</li> <li>• local radio</li> <li>• Local newspaper</li> <li>• Extension events</li> </ul>	Wheatland County	Y	y	Y	Y	Y
Provide one on one assistance to producers in Wheatland County who are completing CAP applications	Wheatland County	Y	Y	Y	Y	Y
Provide one on one technical assistance to producers in Wheatland County who are completing an EFP	Wheatland County	Y	Y	Y	Y	Y
Utilize extension staff, specialists and technical resources provided by Alberta Agriculture and Forestry	Alberta Agriculture and Forestry Technical assistance	Y	Y	Y	Y	Y

<b>Communications</b> <ul style="list-style-type: none"> <li>• Newsletter, 11,000 printed (6/year)</li> <li>• Consider an e-newsletter (bimonthly)</li> <li>• Minimum 6 articles/year on EFP</li> <li>• County Website</li> <li>• Local Newspaper (Strathmore Times)</li> <li>• Facebook (2617 followers)</li> <li>• Twitter (786 followers)</li> </ul>	<b>Wheatland County Communications Department</b> Partner	Y	Y	Y	Y	Y
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## Local Resource Management Initiatives

### Resource Management Goal 3 Water Resources Management (35%)

#### Strategy 3

Watershed health in Wheatland County is impacted by agriculture. Our program aims to reduce this impact by promoting practices which protect, preserve and restore our water resources. To accomplish this we will:

- Provide access to educational programs, information and other extension activities which promote beneficial water resources management practices
- Provide technical support to Wheatland County producers completing and EFP and CAP applications
- Provide funding to Wheatland County producers to assist with project implementation and payment for ecosystem services
- Work towards improving riparian health and watershed resiliency in the County
- Provide information on current legislation which pertains to water resources management i.e. Alberta Wetland Policy
- Work with partners with similar goals
- Implement the strategies set by the Bow River Phosphorus Management Plan Implementation Committee, the Bow Basin Watershed Management Plan and the Red Deer River Watershed Management Plan

## Performance Measures

### Performance will be evaluated by:

- Number of events hosted
- Number of people at extension events
- Event evaluations
- One on one discussion and feedback from producers
- Partnerships
- Number of publications and number of people reached
- Number of producers assisted with CAP
- Number of producers assisted with EFP and number of completed EFP's
- Community Surveys
- Amount of funding provided for projects
- Number of acres enrolled with ALUS Wheatland
- Number of projects implemented by producers

Activity	Contributors / Partners Involved	To be carried out in:				
		2020	2021	2022	2023	2024
<b>Rosebud Watershed Resiliency and Restoration Program landowner grant</b>  This grant funds riparian fencing and alternate water supply for livestock  All projects require a Riparian Health Assessment to be completed	<b>Alberta Environment and Parks</b> WRRP Funding  <b>Rocky View County</b> Project Partner	Y	Y	Y		
<b>Crowfoot Creek Watershed Resiliency and Restoration Program landowner grant</b>  This grant funds riparian fencing and alternate water supply for livestock  All projects require a Riparian Health Assessment to be completed	<b>Alberta Environment and Parks</b> WRRP Funding  <b>Western Irrigation District</b> Project Partner	Y	Y			
<b>Wheatland Agricultural Stewardship Program (WASP)</b>	<b>Wheatland County</b>	Y	Y	Y	Y	Y

WASP funds producer projects which benefit soil, water and air quality as well as biodiversity						
<b>Safe Water Wells Actions Program</b>  Funds decommissioning of unused water wells and installation of pitless adapters	Wheatland County	Y	Y	Y	Y	Y
<b>Wheatland ALUS and Partnership Advisory Committee (PAC)</b>  ALUS provides per acre annual payments to producers for new projects which help produce ecological services on farmland  The PAC reviews and approves all potential ALUS projects in the community  All applicants will be required to complete an EFP	<b>ALUS Canada</b> Program host, administration, support, funding  <b>Wheatland ASB</b> PAC members Program host  <b>Alberta Agriculture and Forestry</b> PAC Member GIS Mapping Project (2020)  <b>Ducks Unlimited Canada</b> PAC Member	Y	Y	Y	Y	Y
<b>Environmental Farm Plan (EFP)</b>  Continued support for and promotion of the EFP program  Providing technical assistance to producers completing an EFP	<b>Agricultural Research and Extension Council of Alberta (ARECA)</b> Program development, operations	Y	Y	Y	Y	Y
<b>Canada Agriculture Partnership (CAP)</b>  Continued support for and promotion of CAP funding programs  Providing technical assistance to producers completing CAP applications	<b>Alberta Agriculture and Forestry</b> Program development, operations	Y	Y	Y	Y	Y
<b>Red-Bow Agricultural Partnership (RAP)</b>  Continued involvement in the Red-Bow Agricultural Partnership whose vision is	<ul style="list-style-type: none"> <li>• Rocky View County</li> <li>• Kneehill County</li> <li>• Mountain View County</li> <li>• M.D. of Bighorn</li> <li>• Red Deer County</li> </ul>	Y	Y	Y	Y	Y

<p>leaders partnering to inspire on the ground practice change for our agricultural and rural communities</p> <p>The committee hosts annual events and others as they arise</p>	<ul style="list-style-type: none"> <li>• <b>Wheatland County</b></li> </ul> <p>All members provide in-kind manpower and financial support</p>					
<p><b>Conference (1 day)</b></p> <p>The Ranching Opportunities Conference is organised for ranchers and Olds College Agricultural Production students</p> <p>Topics often include:</p> <ul style="list-style-type: none"> <li>• On-farm water management</li> <li>• Pasture management</li> <li>• Soil related topics</li> <li>• Funding options</li> <li>• Social licence</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Red-Bow Agricultural Partnership</b></li> <li>• <b>Olds College, Technology Access Centre (TAC)</b></li> <li>• <b>Alberta Agriculture and Forestry</b></li> <li>• <b>Foothills Forage &amp; Grazing Association</b></li> <li>• <b>Gray Wooded Forage Association</b></li> </ul> <p>All members provide in-kind manpower and financial support</p>	Y	Y	Y	Y	Y
<p><b>Grazing School (1 day)</b></p> <p>Ladies Livestock Lessons is a workshop for women interested in managing livestock</p> <p>Topics often include:</p> <ul style="list-style-type: none"> <li>• On-farm water management</li> <li>• Riparian health</li> <li>• Pasture management</li> <li>• Soil related topics</li> <li>• Funding options</li> <li>• Social licence</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Red-Bow Agricultural Partnership</b></li> <li>• <b>Cows and Fish</b></li> <li>• <b>Foothills Forage &amp; Grazing Association</b></li> <li>• <b>Gray Wooded Forage Association</b></li> </ul> <p>All members provide in-kind manpower and financial support</p>	Y	Y	Y	Y	Y
<p><b>Demonstration Site</b></p> <p>The Thurn Riparian Grazing Site demonstrates the benefits of off-site watering system, riparian fencing and rotational grazing.</p> <p>The site is used for workshops, train the trainer sessions and trials.</p>	<p><b>Foothills Forage and Grazing Association</b> Technical Support, partner for trial on site in 2020</p> <p><b>Cows and Fish</b> Technical Support</p>	Y	Y	Y	Y	Y
<p><b>Working Well Workshop</b></p>	<p><b>Alberta Agriculture and Forestry</b> program development and presenter</p>	Y		Y		Y

The Working Well program is a workshop which educates water well owners on how to protect and maintain water wells.	<b>Strathmore Health Unit</b> Technical assistance  <b>Local well drilling companies</b> Technical assistance  <b>Wheatland County ASB</b> Host, advertisement					
<b>Septic Sense Workshop</b>  Private Wastewater System Operation and Maintenance Workshop	<b>Alberta Onsite Wastewater Management Association</b> Presenter, content development  <b>Wheatland County</b> Host, advertisement		Y		Y	
<b>Sustainable Ranching School with Jim Gerrish</b>	Foothills Forage and Grazing Association <i>Co-host</i>	Y				
<b>Alberta Invasive Weed Identification Guide</b>  Provides information on the provincially regulated weeds under the Alberta Weed Control Act, distributed province-wide since 2010  +20,000 copies printed	<b>Wheatland County</b> Content development  <b>Alberta Agriculture and Forestry</b> Technical Assistance  <b>Association of Alberta Agricultural Fieldmen</b> Printing and Distribution  <b>Alberta Invasive Species Council</b> Information review  All: Technical Support	Y	Y	Y	Y	Y
<b>Communications</b> <ul style="list-style-type: none"> <li>• Newsletter, 11,000 printed (6/year)</li> <li>• Minimum 6 articles/year on water resources management</li> <li>• County Website</li> <li>• Local Newspaper (Strathmore Times)</li> <li>• Consider an e-newsletter (bimonthly)</li> <li>• Social Media</li> <li>• Facebook (2617 followers)</li> <li>• Twitter (786 followers)</li> <li>• Digital Media (i.e. videos)</li> </ul>	<b>Wheatland County communications department</b>  Partner	Y	Y	Y	Y	Y

<ul style="list-style-type: none"> <li>• Purchase of communications material</li> </ul>						
<b>Water resources focused extension activities</b>  i.e. riparian health workshops, on-farm water management, livestock watering options, World Water Day etc.	<b>Partners may include (but not limited to):</b> <ul style="list-style-type: none"> <li>• <b>Red-Bow Agricultural Partnership or members</b></li> <li>• <b>Foothills Forge and Grazing Association</b></li> <li>• <b>Cows and Fish</b></li> </ul>	Y	Y	Y	Y	Y
<b>Wheatland Environmental Stewardship Awards (WESA)</b>  WESA is a producer recognition and social licence program	<b>Wheatland County</b>	Y	Y	Y	Y	Y
<b>Water for Life</b>  Continued financial and in-kind support for local Watershed Planning and Advisory Councils and associated activities	<b>Red Deer River Watershed Alliance (RDRWA)</b>  <b>Bow River Basin Council</b>	Y	Y	Y	Y	Y
<b>Wheatland County Planning and Development File Review</b>  Provide input on Planning and Development files for the protection of agricultural lands and surface water	<b>Wheatland County Planning and Development Department</b>	Y	Y	Y	Y	Y

## Resource Management Goal 4 Soil Resources Management (35%)

### Strategy 4

**Soil resources** in Wheatland County are impacted by agriculture, our program aims to reduce this impact by promoting practices which protect, preserve and restore soil health.

- Provide technical support to Wheatland County producers completing and EFP and CAP applications
- Commit to locally extending communication material provided by Alberta Agriculture and Forestry on soil resources management.
- A commitment to develop written material of emerging soil resource management issues
- A commitment to written extension advertisements of emerging social license

- Provide technical support, educational programs, information, funding and other extension activities which promote soil health and results in on the ground practice change by Wheatland County producers

### Performance Measures

**Performance will be evaluated by:**

- Number of events hosted
- Number of people at extension events
- Event evaluations
- One on one discussion and feedback from producers
- Partnerships
- Number of publications and number of people reached
- Number of producers assisted with CAP
- Number of producers assisted with EFP and number of completed EFP's
- Community Surveys
- Number of projects implemented by producers
- Number of acres enrolled with ALUS Wheatland
- Amount of funding provided for projects

Activity	Contributors / Partners Involved	To be carried out in:				
		2020	2021	2022	2023	2024
<b>Environmental Farm Plan (EFP)</b>  Continued support for and promotion of the EFP program  Providing technical assistance to producers completing an EFP	<b>Agricultural Research and Extension Council of Alberta (ARECA)</b> Program Development	Y	Y	Y	Y	Y
<b>Canada Agriculture Partnership (CAP)</b>  Continued support for and promotion of CAP funding programs  Providing technical assistance to producers completing CAP applications	<b>Alberta Agriculture and Forestry</b> Program development, operations	Y	Y	Y	Y	Y



<b>Wheatland Agricultural Stewardship Program (WASP)</b>  WASP funds producer projects which benefit soil, water and air quality as well as biodiversity	Wheatland County	Y	Y	Y	Y	Y
<b>Wheatland ALUS and Partnership Advisory Committee (PAC)</b>  ALUS provides per acre annual payments to producers for new projects which help produce ecological services on farmland  The PAC reviews and approves all potential ALUS projects in the community  All applicants will be required to complete an EFP  Project Tours	<b>ALUS Canada</b> Program host, administration, support, funding  <b>Wheatland ASB</b> PAC members Program host  <b>Alberta Agriculture and Forestry</b> PAC Member GIS Mapping Project (2020)  <b>Ducks Unlimited Canada</b> PAC Member					
<b>Red-Bow Agricultural Partnership (RAP)</b>  Continued involvement in the Red-Bow Agricultural Partnership whose vision is leaders partnering to inspire on the ground practice change for our agricultural and rural communities  Host annual events and others as they arise	<ul style="list-style-type: none"> <li>• Rocky View County</li> <li>• Kneehill County</li> <li>• Mountain View County</li> <li>• M.D. of Bighorn</li> <li>• Red Deer County</li> <li>• Wheatland County</li> <li>• Clearwater County</li> </ul> All members provide in-kind manpower and financial support	Y	Y	Y	Y	Y

<b>Conference (1 day)</b>  The Ranching Opportunities Conference is for ranchers and Olds College Agriculture Production students  Topics often include: <ul style="list-style-type: none"> <li>On-farm water management</li> <li>Pasture management</li> <li>Soil related topics</li> <li>Funding options</li> <li>Social licence</li> </ul>	<ul style="list-style-type: none"> <li><b>Red-Bow Agricultural Partnership</b></li> <li><b>Olds College – Technology Access Centre (TAC)</b></li> <li><b>Alberta Agriculture and Forestry</b></li> <li><b>Foothills Forage &amp; Grazing Association</b></li> <li><b>Gray Wooded Forage Association</b></li> </ul> *All members provide in-kind manpower and financial support	Y	Y	Y	Y	Y
<b>Grazing School (1 day)</b>  Ladies Livestock Lessons is a workshop for women interested in managing livestock  Topic often include: <ul style="list-style-type: none"> <li>On-farm water management</li> <li>Riparian health</li> <li>Pasture management</li> <li>Soil related topics</li> <li>Funding options</li> <li>Social licence</li> </ul>	<ul style="list-style-type: none"> <li><b>Red-Bow Agricultural Partnership</b></li> <li><b>Cows and Fish</b></li> <li><b>Foothills Forage &amp; Grazing Association</b></li> <li><b>Gray Wooded Forage Association</b></li> </ul> *All members provide in-kind manpower and financial support	Y	Y	Y	Y	Y
<b>Sustainable Ranching School with Jim Gerrish</b>	<b>Foothills Forage and Grazing Association</b> <i>Co-host</i>	Y				
<b>Demonstration Site</b>  The Thurn Riparian Grazing Site demonstrates the benefits of off-site watering system, riparian fencing and rotational grazing.  The site is used for workshops, train the trainer sessions and trials  Soil improvement trial 2020/21	<b>Foothills Forage and Grazing Association</b> Technical Support, partner for trial on site in 2020  <b>Cows and Fish</b> Technical Support	Y	Y	Y	Y	Y

<b>Soil Movement Policy</b>  Assist Planning and Development with implementation of soil movement policy aimed at preventing risks associated with intake of large amounts of soil to agricultural land	Wheatland County Planning and Development Department	Y	Y	Y	Y	Y
<b>Soil management focused extension activities</b>	Partners may include (but not limited to): <ul style="list-style-type: none"> <li>Red-Bow Agricultural Partnership or members</li> <li>Foothills Forge and Grazing Association</li> <li>Cows and Fish</li> </ul>	Y	Y	Y	Y	Y
<b>Agricultural Plastic Management</b> <ul style="list-style-type: none"> <li>Grain Bag Recycling Program Clean Farms Pilot</li> <li>Chemical Container Sites</li> <li>Twine collection</li> <li>Other options as they arise</li> </ul>	<b>CleanFarms</b>  <b>Wheatland County Waste transfer sites (Public Works)</b>  <b>Drumheller and District Solid Waste Association</b>  (all partners)	Y	Y	Y	Y	Y
<b>Agricultural Chemical Management</b> <ul style="list-style-type: none"> <li>Assist Waste Management department with delivery of toxic waste round-up programs</li> <li>Offer opportunities for collection of unused chemicals as available</li> <li>Other opportunities as they arise</li> </ul>	<b>Wheatland County Waste Transfer Sites (Public Works)</b>  Partner	Y	Y	Y	Y	Y
<b>Wheatland Environmental Stewardship Awards (WESA)</b>  WESA is a producer recognition and social licence program	Wheatland County	Y	Y	Y	Y	Y

<b>Communications</b> <ul style="list-style-type: none"> <li>• Newsletter, 11,000 printed (6/year), minimum 3 articles/year on soil resources management</li> <li>• Consider an e-Newsletter (bimonthly)</li> <li>• County Website</li> <li>• Local Newspaper (Strathmore Times)</li> <li>• Facebook (2617 followers)</li> <li>• Twitter (786 followers)</li> <li>• Digital Media (i.e. videos)</li> </ul>	<b>Wheatland County Communications Department</b>  Partner	Y	Y	Y	Y	Y
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## Local Resource Management Initiatives

### Resource Management Goal 5

#### Sustainable Management of Biodiversity (10%)

##### Strategy 5

Biodiversity in Wheatland County is impacted by agriculture. Our program aims to reduce this impact by promoting practices which protect, preserve and restore biodiversity. To accomplish this we will:

- Provide technical support to Wheatland County producers completing and EFP and CAP applications
- Work towards conservation, restoration, and protection of Wheatland County's biodiversity sustain the benefits they provide to the environment, society, and economy
- Commit to locally extending communication material provided by Alberta Agriculture and Forestry or Alberta Environment and Park on biodiversity
- Commit to written extension advertisements of emerging biodiversity topics
- Work in conjunction with the Alberta Land Use Framework
- Provide technical support, educational programs, information, funding and other extension activities which promote biodiversity results in on the ground practice change by Wheatland County producers
- Host the ALUS Wheatland program to encourage projects which promote biodiversity
- Development of Wheatland County Shelterbelt and Eco Buffer Program

##### Performance Measures

***Performance will be evaluated by:***

- Number of events hosted that provide information about biodiversity
- Number of people at extension events
- Event evaluations
- One on one discussion and feedback from producers
- Partnerships

<ul style="list-style-type: none"><li>• Number of publications and number of people reached</li><li>• Number of producers assisted with CAP</li><li>• Number of producers assisted with EFP and number of completed EFP's</li><li>• Community Surveys</li><li>• Number of biodiversity related projects implemented by producers</li><li>• Number of acres enrolled with ALUS Wheatland</li><li>• Amount of funding provided for projects for biodiversity projects</li></ul>						
Activity	Contributors / Partners Involved	To be carried out in:				
		2020	2021	2022	2023	2024
<b>Environmental Farm Plan (EFP)</b>  Continued support for and promotion of the EFP program  Providing technical assistance to producers completing an EFP	<b>Agricultural Research and Extension Council of Alberta (ARECA)</b> Program Development	Y	Y	Y	Y	Y
<b>Canada Agriculture Partnership (CAP)</b>  Continued support for and promotion of CAP funding programs  Providing technical assistance to producers completing Growing Forward applications	<b>Alberta Agriculture and Forestry</b> Program development, operations	Y	Y	Y	Y	Y
<b>Wheatland ALUS and Partnership Advisory Committee (PAC)</b>  ALUS provides per acre annual payments to producers for new projects which help produce ecological services on farmland  The PAC reviews and approves all potential ALUS projects in the community  All applicants will be required to complete an EFP  Project Tours	<b>ALUS Canada</b> Program host, administration, support, funding  <b>Wheatland ASB</b> PAC members Program host  <b>Alberta Agriculture and Forestry</b> PAC Member GIS Mapping Project (2020)  <b>Ducks Unlimited Canada</b> PAC Member	Y	Y	Y	Y	Y

<b>Shelterbelt and Ecobuffer Seedling Funding Program</b>  Financial assistance to landowners to plant tree and shrub seedlings throughout the municipality  Shelterbelt and Ecobuffer Workshops hosted as needed  Technical assistance provided for projects	Wheatland County	Y	Y	Y	Y	Y
<b>Alberta Invasive Weed Identification Guide</b>  Provides information on the provincially regulated weeds under the Alberta Weed Control Act, distributed province-wide since 2010 (+20,000 copies printed)	<b>Wheatland County</b> Content development  <b>Alberta Agriculture and Forestry</b> Technical Assistance  <b>AAAF</b> Printing and Distribution  <b>Alberta Invasive Species Council</b> Information review  All: Technical Support	Y	Y	Y	Y	Y
<b>Biodiversity focused extension activities (all)</b>	<b>Partners may include (but not limited to):</b> <ul style="list-style-type: none"> <li>• Red-Bow Agricultural Partnership or members</li> <li>• Foothills Forge and Grazing Association</li> <li>• Cows and Fish</li> </ul>	Y	Y	Y	Y	Y
<b>Communications</b> <ul style="list-style-type: none"> <li>• Newsletter, 11,000 printed (6/year), minimum 3 articles/year on biodiversity</li> <li>• Consider an e-Newsletter (bimonthly)</li> <li>• County Website</li> <li>• Local Newspaper (Strathmore Times)</li> <li>• Facebook (2617 followers)</li> <li>• Twitter (786 followers)</li> <li>• Digital Media (i.e. videos)</li> </ul>	<b>Wheatland County Communications Department</b>  Partner	Y	Y	Y	Y	Y

### Resource Management Funding Stream – Requested Funding

Requested ASB Resource Management Funding Stream Grant	A. Manpower		B. Extension Activities		C. Total Annual Budget (A+B)
Goal 1: EFP (10%)	\$ 6,500		\$ 2,500		\$ 9,000
Goal 2: CAP (10%)	\$ 6,500		\$ 2,500		\$ 9,000
Goal 3: Water (35%)	\$ 22,750		\$ 8,750		\$ 31,500
Goal 4: Soil (35%)	\$ 22,750		\$ 8,750		\$ 31,500
Goal 5: Biodiversity (10%)	\$ 6,500		\$ 2,500		\$ 9,000
<b>Total</b>	<b>\$ 65,000</b>		<b>\$ 25,000</b>		<b>\$ 90,000</b>
	Type of Contribution		Type of Contribution		
	Cash	In Kind	Cash	In Kind	
Municipality	\$ 121,000	\$ 13,000	\$ 63,000	\$ 6200	\$ 203,200
Other Contributors ALUS			\$ 13,000	\$ 1000	\$ 14,000
WRRP – Watershed Resiliency & Restoration Grant			\$ 186,400 for 2020 only. This amount is not included in total of Column B		
	Total A= \$ 134,000		Total B= \$ 83,200		Total C= \$ 217,200

Manpower: includes salary, wages, benefits and professional development of ASB Resource Management staff.

Cash: A monetary amount

In-kind: A product or service that has a defined value

# **Terms and Conditions**

## **Agricultural Service Board Grant Program for 2020 - 2024**

### **Purpose**

The purpose of the Agricultural Service Board Grant Program is to support Agricultural Service Boards with the administration of legislative requirements under the *Agricultural Service Board Act* and in the development and delivery of resource management extension programming.

The expected Program outcomes include:

1. Targeted prevention and control of agricultural diseases, pests, weeds and delivery of soil conservation programs.
2. Development of effective agricultural policies and plans that are implemented and address the needs and issues of the municipality related to agricultural practices.
3. Support ASBs in the development and delivery of resource management extension programming to increase awareness, understanding and implementation of sustainable agricultural practices with an emphasis on meeting industry standards that support consumer expectations.
4. Development of strong collaborations with Alberta Agriculture and Forestry (AF), other municipalities, governments, agencies etc. to achieve outcomes listed in 1 through 3.

The Program is available to Municipalities within Alberta that satisfy the eligibility requirements in s. 2, and which carry out Legislative Activities and Resource Management Activities approved by the Minister.

There are two parts to the Program:

- Part one is a Legislative Funding Stream which supports Legislative Activities. Funding in this stream is allocated based on satisfaction of the eligibility criteria.
- Part two is a Resource Management Funding Stream which supports Resource Management Activities. Funding in this stream is allocated on a merit basis, subject to satisfaction of the eligibility criteria.

Applicants may apply for the Legislative Funding Stream only, or for the Legislative Funding Stream and the Resource Management Funding Stream.

Funding for both streams of the Program is limited and subject to Program funding constraints.

If an Application is approved by the Minister, the Applicant must enter into a grant agreement with the Minister to be eligible to receive funding under the Program. The



grant agreement will contain the terms and conditions governing the grant under the Program.

## 1. Definitions

1. **Definitions:** In this document and in the Program Application Form, the following terms have the following meanings:
  - 1.1. **AF:** means Alberta Agriculture and Forestry.
  - 1.2. **Agricultural Commodity** means a product that comes from the raising of crops and/or animals, such as wheat, corn, barley, peas, canola, oats, cattle, sheep, hogs.
  - 1.3. **Agricultural Fieldman:** means a person appointed pursuant to the *ASB Act* to implement agricultural policies and programs, and to manage the agricultural resources of the Municipality.
  - 1.4. **Applicant:** means a Municipality that submits an Application and meets the eligibility criteria in section 2.1.1.
  - 1.5. **Application:** means the Program Application Form and all documents required to be submitted pursuant to that form and the Program Terms and Conditions.
  - 1.6. **ASB:** means an agricultural service board constituted under the *ASB Act*.
  - 1.7. **ASB Act:** means the *Agricultural Service Board Act*.
  - 1.8. **Calendar Year:** means January 1<sup>st</sup> to December 31<sup>st</sup>.
  - 1.9. **Eligible Capital Expenses:** means the capital expenses listed in section 2.5.2 that may be incurred by an Applicant for a Project.
  - 1.10. **Eligible Expenses:** means Eligible Capital Expenses and Eligible Non-Capital Expenses.
  - 1.11. **Eligible Non-Capital Expenses:** means the non-capital expenses listed in section 2.5.1 that may be incurred by an Applicant for a Project.
  - 1.12. **Legislative Activities** means the activities identified in section 2.2.1.
  - 1.13. **Legislative Funding Stream:** means the Program funding for Legislative Activities.
  - 1.14. **Minister:** means the Minister of AF and includes his authorized representative(s).
  - 1.15. **Municipality:** means a municipality as defined by the *ASB Act*.
  - 1.16. **Primary Producer:** means an individual or an Alberta registered entity:
    - (a) operating in Alberta; and
    - (b) that is responsible for the day-to-day management and work on the farm, including responsibility for input costs for Agricultural Commodities and producing at least \$10,000 worth of commercial agriculture production annually, but does not include a landlord whose only interest in the Agricultural Commodity is that of ownership of the land.
  - 1.17. **Program:** means the Agricultural Service Board Grant Program for 2020-2024.

- 1.18. Program Application Form:** means the application form for the Program.
- 1.19. Program Terms and Conditions:** means the terms and conditions for the Program set out in this document, as may be amended.
- 1.20. Project:** means the Legislative Activities and, if applicable, the Resource Management Activities, as described in the Application submitted by the Applicant and approved by the Minister.
- 1.21. Provincial Crown:** means Her Majesty the Queen in Right of Alberta.
- 1.22. Resource Management Activities:** means the activities identified in section 2.2.2.
- 1.23. Resource Management Funding Stream:** means the Program funding for Resource Management Activities.
- 1.24. Term:** means the time period for the Program, being January 1, 2020 to December 31, 2024.

## **2. Eligibility**

### **2.1. Eligible Applicants**

- 2.1.1 To apply to the Program, an Applicant must:
- have formed an ASB pursuant to the ASB Act;
  - be an Alberta Municipality that is required to file audited financial statements to Alberta Municipal Affairs pursuant to Section 278 of the Municipal Government Act;
  - have Primary Producers farming agricultural land that produces Agricultural Commodities within the Municipality; and
  - have appointed an Agricultural Fieldman pursuant to the ASB Act.

### **2.2. Eligible Activities:(Must be approved by the Minister)**

- 2.2.1. Activities under the Legislative Funding Stream shall include activities under the *ASB Act* and one or more of the following:
- Weed Control Act;*
  - Agricultural Pests Act;*
  - Soil Conservation Act;* and
  - Animal Health Act.*
- 2.2.2 Activities under the Resource Management Funding Stream shall include education and extension activities that facilitate the increased awareness, understanding and implementation of resource management agricultural practices and programs related to supporting the agriculture industry in meeting social license requirements. Priority will be on support for EFP delivery and promotions of environmental CAP programs.
- 2.2.3 In completing a Project under the Program, the Applicant must:
- comply with all applicable laws and regulations; and

- (b) obtain all required governmental approvals prior to commencing the Project including those related to public health and safety, labour codes and standards and environmental protection.

### **2.3. Ineligible Activities**

- 2.3.1. Activities ineligible for funding under any of the Program funding streams include:
  - (a) non-agriculture related education and extension activities;
  - (b) school programs, and
  - (c) any other activity deemed to be ineligible by the Minister.

### **2.4. Eligible Expenses**

- 2.4.1. Eligible Non-Capital Expenses, as approved by the Minister and stated in the grant agreement, may include:
  - (a) manpower - salary, wages, benefits and professional development of ASB staff;
  - (b) operating expenses for vehicles and equipment;
  - (c) materials and supplies;
  - (d) office operations;
  - (e) contracted services; and
  - (f) extension and education related activities.
- 2.4.2. Eligible Capital Expenses, as approved by the Minister and stated in the grant agreement, may include:
  - (a) in each year of the Term, costs for the purchase or lease of capital items up to a maximum of \$5000 in support of Legislative Activities and, if applicable, up to a maximum of \$5000 in support of Resource Management Activities.
- 2.4.3. In incurring Eligible Expenses, the Applicant must follow a process that is transparent, fair, and promotes the best value for the money expended. Eligible Expenses incurred by the Applicant must be at competitive prices that are no greater than fair market value.
- 2.4.4. If the Minister, in his sole discretion, considers the amount of any Eligible Expense claimed by the Applicant to be unreasonable, the Minister may adjust the amount of that Eligible Expense to an amount the Minister considers reasonable.

### **2.5. Ineligible Expenses**

- 2.5.1. Expenses not eligible for funding under the Program include:
  - (a) in each year of the Term, costs for the purchase or lease of capital items over \$5000 in support of Legislative Activities and over \$5000 in support of Resource Management Activities;
  - (b) Goods and Services Tax (GST);

- (c) alcohol;
- (d) expenses funded through any other federal or provincial government grants, programs or projects;
- (e) speaker fees from any government employee (includes all levels of government);
- (f) producer contributions of any kind such as land, labour, mileage etc.;
- (g) livestock arrangements of any kind;
- (h) expenses incurred by the Applicant outside of the Term; and
- (i) any other expense deemed by the Minister to be an ineligible expense.

### **3. Applications**

- 3.1.** There is limited funding in the Program.
- 3.2.** Program Application Forms must be received by AF or postmarked on or before April 24, 2020.
- 3.3.** An Applicant may apply for funding from the Legislative Funding Stream only, or for funding from both the Legislative Funding Stream and the Resource Management Funding Stream.
- 3.4.** Applications submitted must have the Program Application Form fully completed, as follows:
  - (a) Legislative Funding Stream Applications must have Schedule A, Part A of the Program Application Form completed; and
  - (b) Legislative Funding Stream and Resource Management Funding Stream Applications must have Schedule A, Part A and Part B of the Program Application Form completed.
- 3.5.** Program Application Forms must be signed by an authorized representative of the Applicant. The Minister may require evidence of authorization.
- 3.6.** An Application will not be considered complete unless the Statement of Certification on the Program Application Form is signed, and all required supporting documentation is provided to the satisfaction of the Minister.
- 3.7.** Submission of an Application does not entitle the Applicant to grant funding under the Program.
- 3.8.** The Minister may, in his sole discretion, reject any Application that is ineligible, inaccurate or incomplete.
- 3.9** If two or more Municipalities intend to work co-operatively on a Project under the Resource Management Funding Stream, only one Municipality may submit an Application and shall name each of the other Municipalities as a participating municipality. If the Application is approved, the Applicant shall enter into a grant agreement and receive all of the funding on behalf of the Applicant and the participating municipalities.

## **4. Evaluation of Applications**

- 4.1.** Applications for the Legislative Funding Stream will be considered for approval subject to satisfaction of the eligibility criteria and Program funding constraints.
- 4.2** Applications for the Resource Management Funding Stream will be considered for approval subject to satisfaction of the eligibility criteria and Program funding constraints, and evaluation of the Application using the following merit based criteria:
  - 4.2.1 Strength and impact of the sustainable resource management application (Weighting 60%)**
    - (a) Application goals, strategies, actions and performance measures;
      - i. Are the goals SMART: Specific, Measurable, Achievable, Relevant and Time Specific.
      - ii. Strategies, describe how you will move from the current situation to your goal? This includes the manpower requirements and skill set.
      - iii. Are you delivering resource management self assessment tools (EFP) and CAP to your local producers.
      - iv. Do the activities support the goals/strategies.
      - v. How will you measure success of your “Local Resource Management Initiatives”? Consider qualitative and quantitative measures such as attendance numbers, surveys, one-on-one meetings with clients, etc.
    - (b) Resource Management Impact. Within your goals, strategies and/or actions you are demonstrating how your program will have an impact on improving the sustainability of your local agricultural resources;
    - (c) Partnering municipalities (and/or Applied Research and Forage Associations). The extent to which the roles and responsibilities of each participating partners are clearly identified, and the roles and responsibilities identified;
  - 4.2.2 Program History and Continuity (weighting 20%)**
    - (a) What is the value of continuing the program? What do they want to build on in the future based on the success that they have had in the past and what do they want to drop;
    - (b) List successes from the past three years, for the Environmental Funding Stream program AND municipally supported environmental programs;
      - i. Must report on successes/how goals were achieved if Environmental Funding Stream dollars were received under the 2017-2019 ASB Grant Program.
  - 4.2.3 Matching Contributions (weighting 10%)**
    - (a) The matching funding of applicant and partners is clearly identified;

#### 4.2.4 Agricultural intensity (**weighting 10%**)

- (a) The committee will use the 2011 Agricultural Intensity Index map attached as Appendix 1 to indicate agricultural intensity for an area (map attached). In accordance to the map the following score will be automatically applied;

0.0-0.2 = 1 score

0.3-0.4 = 2 score

0.5-0.6 = 3 score

0.7-0.8 = 4 score

0.9-1.0 = 5 score

The Agricultural Intensity Map was based on Census of Agriculture 2011 variables for fertilizer and lime purchases (\$), purchases of pesticides (\$) and manure production (tonnes). Intensities were determined by dividing each variable by the area in square miles of each municipality. This data was then normalized and summed to produce the final Agriculture Intensity Index.

## 5. Funding Level

- 5.1** Approved Applicants to the Legislative Funding Stream will receive a grant amount determined by the Minister following review of the applications and subject to Program funding constraints.
- 5.2** Approved Applicants to the Resource Management Funding Stream will receive funding amounts that are determined based on the evaluation of the Application using the merit based criteria in s. 4.2 and subject to Program funding constraints.
- 5.3** In the event that provincial funding levels are changed to the extent that the money available to the Minister to make a grant under the Program is reduced or eliminated, the Minister may, in his sole discretion, reduce the amount of any grant made under the Program or cancel any grant made under the Program and terminate any grant agreement.

## 6. Payments

- 6.1.** Successful Applicants will be required to enter into a five year term grant agreement with the Provincial Crown prior to any payment being made to the Applicant.
- 6.2.** To receive payment under the Program, the Applicant must maintain its eligibility for funding under the Program, and be in compliance with the grant agreement and the Program Terms and Conditions.
- 6.3.** Subject to the terms and conditions of the grant agreement and s. 6.4, the Minister expects to pay the grant as follows:
- (a) payment for the 2020 Calendar Year upon execution of the Agreement;
  - (b) payment for the 2021 Calendar Year following receipt of Annual Report 1 to the satisfaction of the Minister;

- (c) payment for the 2022 Calendar Year following receipt of Annual Report 2 to the satisfaction of the Minister;
  - (d) payment for the 2023 Calendar Year following receipt of Annual Report 3 to the satisfaction of the Minister; and
  - (e) payment for the 2024 Calendar Year following receipt of Annual Report 4 to the satisfaction of the Minister.
- 6.4** Each of the payments described in s. 6.3 is subject to the approval of the Minister and to funds being available for the Program. The Minister may, in his sole discretion, cancel, reduce or increase the amount of each payment.
- 6.5** Applicants cannot assign or defer any payment under this Program.
- 6.6** The Applicant shall not return for refund any capital items which the Applicant has purchased using grant funds. The Applicant shall not sell or trade any capital items which the Applicant has purchased using grant funds for at least three years after the end of the Term

## **7. Reporting Requirements**

- 7.1.** Approved Applicants shall provide the Minister with the following annual reports (the “Annual Reports”) in writing to the Minister’s satisfaction and in the form specified by the Minister, detailing, for the time period covered by the Annual Report:
- (a) a statement of the Applicant’s ASB income and expenditures for the Calendar Year covered by the Annual Report, certified by a financial officer of the Applicant;
  - (b) a report highlighting the results of the Schedule “A” activities for the Calendar Year covered by the Annual Report;
  - (c) confirmation that the Applicant has filed its annual financial information return, including audited financial statement and auditor’s report, to Municipal Affairs as per section 278 of the Municipal Government Act;
  - (d) the status of the grant proceeds, including all expenditures of the grant proceeds and the amount of grant proceeds currently held by the Applicant;
  - (e) any other grants from any level of government in respect of the Project; and
  - (f) any other information requested by the Minister.
- 7.2** The Annual Reports must be submitted between the following dates:
- i. Annual Report 1, to be submitted between May 1, 2021 and June 30, 2021 covering the time period from January 1, 2020 to December 31, 2020;
  - ii. Annual Report 2, to be submitted between May 1, 2022 and June 30, 2022, covering the time period from January 1, 2021 to December 31, 2021; and
  - iii. Annual Report 3, to be submitted between May 1, 2023 and June 30, 2023, covering the time period from January 1, 2022 to December 31, 2022.
  - iv. Annual Report 4, to be submitted between May 1, 2024 and June 30, 2024, covering the time period from January 1, 2023 to December 31, 2023; and

- v. Annual Report 5, to be submitted between May 1, 2025 and June 30, 2025, covering the time period from January 1, 2024 to December 31, 2024.

The Minister may require that any Annual Report be reviewed, assessed and reported on by the Applicant's auditors. Upon request by the Minister, the Applicant shall in a timely manner elaborate on any particular aspect of an Annual Report.

- 7.3** The Applicant shall provide the Minister with prompt notice of any material events, developments or circumstances arising in relation to the Project.
- 7.4** The Minister may request the Applicant to submit additional reports during the Term which the Applicant shall submit, to the Minister's satisfaction by the dates specified by the Minister.

## **8. Verification**

- 8.1** The Applicant agrees to provide such information and records as the Minister may require to verify the Applicant's eligibility for payment from the Program.
- 8.2** The Applicant consents to the Minister releasing any information contained in the Application or related to it and obtained by the Minister in the course of verifying the Application, to any other government department, agency or other body for the purposes of verifying this Application, determining the Applicant's eligibility for this Program, or both. The Applicant expressly authorizes the Minister to obtain information from any government department agency or other body to verify the contents of this Application and to determine the Applicant's eligibility for this Program.
- 8.3** The Applicant agrees to make available to the Minister all records, books of account, and income tax returns necessary to audit their Application under this Program. If the Applicant fails to provide records within a reasonable time on reasonable notice, as determined by the Minister, the Applicant may be required to refund any payments received under the Program, as well as forfeit any future payment for the Program.

## **9. Program Changes**

- 9.1.** The Minister may change or terminate the Program at any time without prior notice. If the Minister terminates or changes the Program, a notification or the revised Program Terms and Conditions will be posted on the Program website.

## **10. False or Misleading Information**

- 10.1.** An Applicant who provides false or misleading information under the Program foregoes all rights to benefit from the Program.



## **11. Collection of Information**

- 11.1.** The Applicant acknowledges that the information provided to the Minister is subject to both the access and privacy provisions of the Freedom of Information and Protection of Privacy Act (Alberta).

## **12. Refunds**

- 12.1** The Applicant shall immediately refund to the Provincial Crown any payment received under the Program not in accordance with the Program Terms and Conditions and the grant agreement upon notice being provided to the Applicant by the Minister. Failure to make repayment as required by the Minister creates a debt owing to the Provincial Crown that can be set off against any money the Provincial Crown owes to the Applicant.

## **13. Right of Set-Off**

- 13.1** The Applicant agrees that the Minister may set-off against any other grant or amount payable to the Applicant under any programs administered within AF any amounts that become repayable by the Applicant to the Minister under this Program.

## **14. Debts to Provincial Crown**

- 14.1** The Minister has the right to deduct from the Applicant's entitlement any amount due and owing to the Provincial Crown.

## **15. Representations and Warranties**

- 15.1** The Applicant represents and warrants that:
- a) the Applicant is an eligible applicant pursuant to s. 2.1.1;
  - b) the person signing the Application is duly authorized to make the Application and bind the Applicant to the Program Terms and Conditions;
  - c) no Application has been made for the same activities by any other person, including without limitation, a participating municipality;
  - d) it has made full, true and plain disclosure to the Minister of all facts relating to the ASB and the Project that are material to its Application, including without limitation all sources of funding from other governments;
  - e) it has adequate human resources, experience and skills to carry out the activities described in the Application;
  - f) there is presently no action, suit, or proceeding being brought or pending or threatened against or affecting the Applicant which could result in the expropriation of any property of the Applicant, or which could affect its operations, properties, financial condition, or its ability to complete the Project;
  - g) it is in compliance with all laws, orders and authorizations which relate to or affect it and is not subject to any order of any court or other tribunal affecting its operations;

- h) it has the power and authority and all necessary licenses and permits to own and operate its properties and carry on its operations, to make the Application, and to carry out the Project; and
- i) the execution of the statement of certification in the Application has been duly and validly authorized by the Applicant in accordance with applicable law, and shall constitute a binding legal obligation of the Applicant.

## **16. Grant Regulation and Disclosure of Grant Recipient Information**

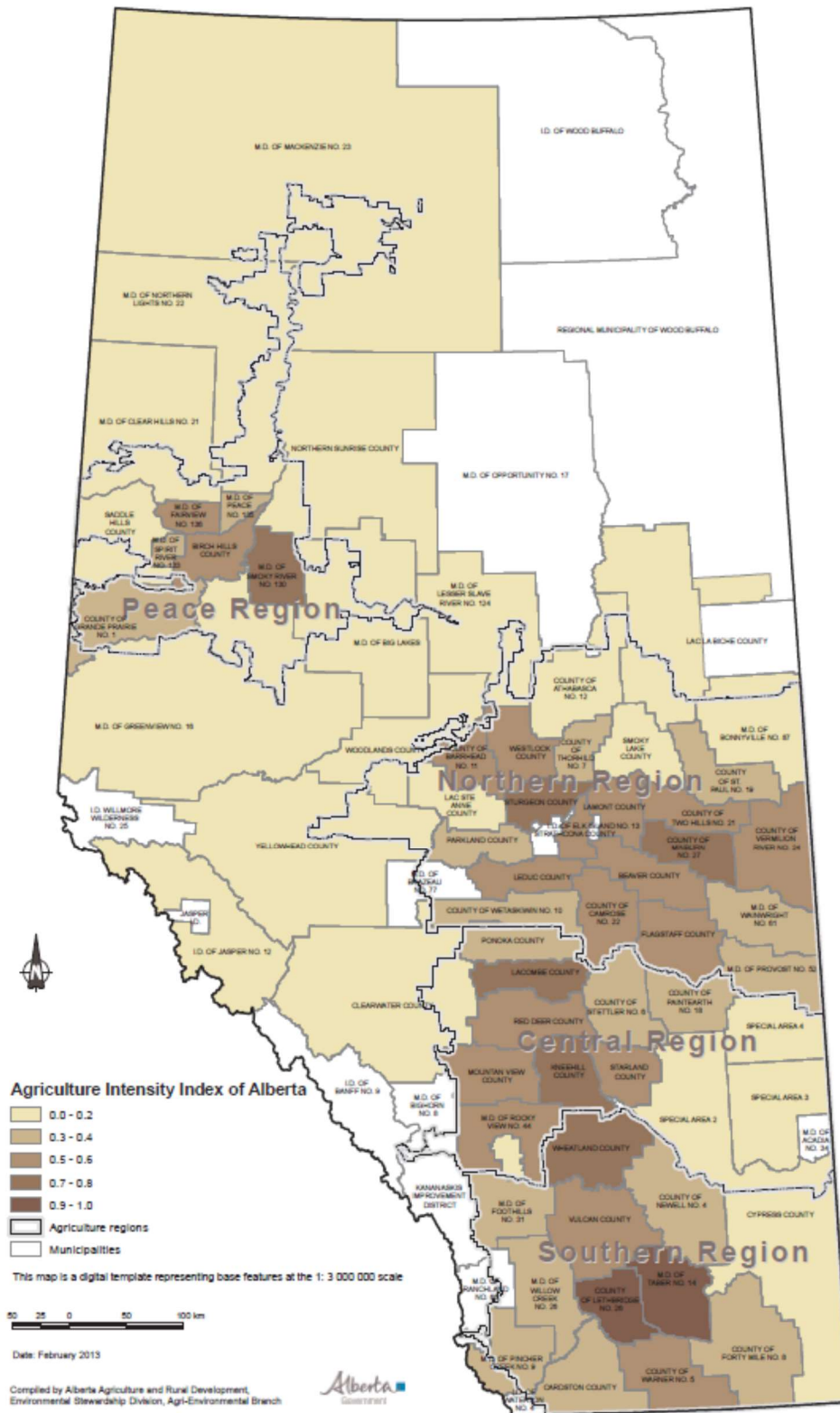
**16.1** Payments under this Program are grants subject to the Agriculture and Rural Development Grant Regulation. The Applicant acknowledges that, in addition to complying with these Program Terms and Conditions and the grant agreement, the Applicant must comply with the Agriculture and Rural Development Grant Regulation.

**16.2** The Applicant acknowledges that the Minister publicly discloses the following information for all grant recipients: the grant recipient name, the amount of the grant, the program the grant is paid under, and the payment date.

## **17. Ministerial discretion**

**17.1** The Minister has the absolute discretion to determine the eligibility of any Applicant and any payment due under this Program. The decision of the Minister is final.

## Appendix 1 – Agricultural Intensity Index Map



# Wheatland County

## Request for Decision

Agricultural Service Board

April 29, 2020

Report prepared by: Russel Muenchrath



### 2% Liquid Strychnine Pricing

#### Recommendation from Administration

Move approval to maintain the current price of strychnine at \$284.90/case for the remainder of 2020.

#### Chief Administrative Officer's Comments

N/A

#### Report

As per the Master Fee schedule strychnine is to be charged at cost + 10%. Our current cost is \$259/case but effective April 20<sup>th</sup> the price will be raised to \$279/case to reflect changes in the Canadian dollar exchange rate. This would mean that the cost to producers would jump from \$284.90/case to \$306.90/case. The recommendation to keep the price the same is in consideration of the current conditions and to maintain fairness to all producers purchasing the product this year.

#### Relevant Policies, Practices, and Legislation

Pest and Nuisance Control Policy 2.2.4 states that the Agricultural Service Board may be involved in the retail sale and distribution of rodenticides; 2% Strychnine, for the control of Richardson's Ground Squirrel, as long as it is allowed by legislation and is not available through existing retail outlets.

#### Alignment with the Strategic Plan

N/A

#### Response Options

Option 1: THAT the proposed recommendation is accepted/approved.

Option 2: THAT the proposed recommendation is not accepted/approved.

Option 3: THAT an alternate recommendation is accepted/approved.

#### Implications of Recommendation

##### **General**

N/A

##### **Organizational**

N/A

##### **Financial**

Current wholesale cost to Wheatland County - \$259/case + 10 % = \$284.90 + G.S.T

New wholesale cost after April 20<sup>th</sup> - \$279/case + 10 % = \$306.90/case + G.S.T

## **Environmental, Staff, and Public Safety**

N/A

## **Follow-up Action / Communications**

N/A

## Report Approval Details

Document Title:	Strychnine Pricing.docx
Attachments:	- Strychnine.pdf
Final Approval Date:	Apr 23, 2020

This report and all of its attachments were approved and signed as outlined below:



Russel Muenchrath



Michael Ziehr



Brian Henderson



**AgroMax Distribiters Inc.**  
1305 Halifax Street  
Regina, SK  
Canada S4R 1T9  
**Tel:** (306) 347-0444  
**Fax:** (306) 522-5227  
**Toll Free:** (800) 667-9915

March 26.2020

To: All Counties and Municipal Districts

I hope all is well with you and your families during these challenging times.

We, Agromax, want to provide an update on the strychnine situation. As of last week, India is on full lock-down until April 15<sup>th</sup> for sure. There are no factories operating, so, at this time there will be no strychnine being processed for us. We have two substantial orders in with our supplier but until they are back up and running, we will not be receiving our raw product.

We do have a small amount of raw materials in house and are producing until we deplete our inventory. We will try and get everyone, at least, some of what is on order. Those that ordered early in January will be first on the list. After that we will try and get everyone partial orders, and the rest will be filled later. We will continue to produce throughout the year and until March 4, 2021 as indicated by PMRA.

Also, after the inventory we have on hand is depleted we are forced to increase the price of the finished product. This is only to cover the difference in the CDN\$ exchange rate, which was hit hard a few weeks back. The price will be \$279.00 effective April 20<sup>th</sup>.

If you have any questions, please direct them to my email address and if you want to talk via telephone please indicate and I can call you back.

Thank you for your understanding

Brent Punga  
Agromax Distributors  
[brent@agromax.ca](mailto:brent@agromax.ca)

# Wheatland County

## Department Report

Agricultural Service Board

April 29, 2020

Report prepared by: Russel Muenchrath



### Manager of Agriculture and Environment Report

#### Recommendation from Administration

Acceptance of the Manager of Agriculture and Environment Report.

#### Report

- 150 cases of strychnine sold to 75 producers.
- 112 grain bags rolled for 25 producers. Approximately 10 producers with 80 bags on waiting list.
- Calgary and Area Governmental Weed Committee meeting on Feb 18<sup>th</sup> – Rocky View County hosting Weed School this June.
- Presentation on weeds for the Strathmore Country Garden Club held on March 4<sup>th</sup> at the Strathmore Library with 20 in attendance.
- Gopher Control bait stations currently put out in Gleichen, Cluny, Carseland and Waste Transfer sites.
- Watershed & Resiliency Restoration Program (WRRP) Crowfoot and Rosebud: Accepting applications.
- ALUS Wheatland: Accepting applications, 1 project approved, PAC meeting cancelled.
- Wheatland Agricultural Stewardship Program: accepting applications, 2 applications received.
- Safe Water Wells Actions Plan: 4 applications received.
- Environmental Farm Plan: 18 requests, 10 completed.
- Livestock Emergency Public and Resources Session open house held on Feb 25<sup>th</sup> with 15 in attendance.
- Classroom Ag Program, Farm Transition Workshop, Working Well workshop, Water Day booth and Emergency Livestock training sessions all cancelled or postponed.
- Received a 1 year extension for Emergency Livestock Training grant.
- Completed research with regards to Council's resolution for staff to determine compliance with water legislation at Eagle Lake RV Park. Information provided to community services.
- Environmental Update publication completed in-house. Document was printed in February and presented to Council in March.
- Shelterbelt and Ecobuffer Workshop was held on February 22 with 76 attendees. Shelterbelt and Ecobuffer Seedling Funding Program was released on the same day. 13 applications have been received under the program requesting a total budget allocation of approximately \$12,000.
- Exploring opportunity presented by the Alberta Environment and Parks Wetland Replacement Program that has a current intent to partner with municipalities for the pursuit of wetland restoration and construction opportunities.
- Upcoming work includes chemical treatment of cut brush and roadside/borrow area seeding.



## Report Approval Details

Document Title:	Manager of Agriculture and Environment Report.docx
Attachments:	
Final Approval Date:	Apr 23, 2020

This report and all of its attachments were approved and signed as outlined below:



Russel Muenchrath



Michael Ziehr



Brian Henderson

# Wheatland County

## Request for Decision

Agricultural Service Board

April 29, 2020

Report prepared by: Gay Mowat



### Correspondence and Information Items

#### **Recommendation from Administration**

TO ACCEPT the following items as information; as provided in the request for decision:

- M.D. of Spirit River Correspondence, dated January 28, 2020 – RE: Regulation of Fusarium graminearum
- Alberta Invasive Species Council (AISC) Correspondence, dated March 5, 2020
- Strychnine and Its Associated End-use Products (Richardson's Ground Squirrels) Final Decision, dated March 4, 2020
- Biocontrol Release Program Report – Annual Report 2019
- 2020 Alberta Agriculture Hall of Fame Nomination Form
- 2016 Census of Agriculture for Alberta

#### **Chief Administrative Officer's Comments**

N/A

#### **Report**

N/A

#### **Relevant Policies, Practices, and Legislation**

N/A

#### **Alignment with the Strategic Plan**

N/A

#### **Response Options**

Option 1: THAT the proposed recommendation is accepted/approved.

Option 2: THAT the proposed recommendation is not accepted/approved.

Option 3: THAT an alternate recommendation is accepted/approved.

#### **Implications of Recommendation**

##### **General**

N/A

##### **Organizational**

N/A

##### **Financial**

N/A

**Environmental, Staff, and Public Safety**

N/A

**Follow-up Action / Communications**

N/A

## Report Approval Details

Document Title:	20200429 ASB Correspondence and Information Items.docx
Attachments:	<ul style="list-style-type: none"><li>- M.D. of Spirit River Correspondence.pdf</li><li>- AISC Correspondence.pdf</li><li>- Strychnine and Its Associated End-use Products (Richardson's Ground Squirrels).pdf</li><li>- 2019 Biocontrol Release Program Report.pdf</li><li>- 2020 Alberta Agriculture Hall of Fame Nomination Form.pdf</li><li>- 2016 Census of Agriculture for Alberta.pdf</li></ul>
Final Approval Date:	Apr 23, 2020

This report and all of its attachments were approved and signed as outlined below:



Russel Muenchrath



Michael Ziehr



Brian Henderson



ALBERTA  
AGRICULTURE AND FORESTRY

Office of the Minister  
MLA, Innisfail-Sylvan Lake

JAN 28 2020



Mr. Nick VanRootselaar  
Chair, Agricultural Services Board  
Box 389  
Spirit River, AB T0H 3G0

Dear Mr. VanRootselaar:

Thank you for your November 27, 2019, letter supporting the continued regulation of *Fusarium graminearum* (*F. graminearum*) on the *Pest and Nuisance Control Regulation* (PNCR) of the *Agricultural Pests Act* (APA). Agriculture and Forestry (AF) is committed to ensuring Albertans have safe food through a robust food safety system. This system provides the assurance that Alberta is a supplier of quality and safe food products. The APA and PNCR are in place to manage, control, and eradicate various pests in the province, to mitigate market access risks, and to improve competitiveness for Alberta producers.

*F. graminearum* became a declared pest under the APA in 1999 to help prevent the introduction and spread of this crop disease. As a declared pest, no person is able to acquire, sell, distribute or use any seed or crop material containing *F. graminearum*. AF has supported management of this disease through the creation of the *Fusarium Action Committee*, which, in turn, developed the *Alberta Fusarium graminearum Management Plan*. In addition, AF conducts regular surveillance and extension activities to inform crop producers on the distribution, severity, and management of this disease.

Over the past several years, *F. graminearum* has become endemic in several areas of the province, which makes regulation ineffective. Discussion has taken place to determine whether *F. graminearum* should remain a regulated pest. In this regard, AF has hosted several stakeholder engagement sessions. At the Ministry's third roundtable on *Fusarium*, stakeholders in attendance reached a consensus to support the removal of *F. graminearum* from the PNCR. The Ministry has also engaged stakeholders on this complex issue for options beyond regulation, including tolerance levels, exemptions, and regional flexibility. As the Ministry continues its examination of this issue, stakeholders will be kept informed of any decision.

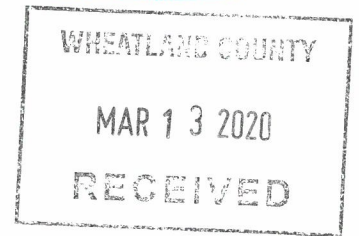
Thank you again for taking the time to write. I value your interest in keeping the Peace Region free from *F. graminearum* and other pests.

Sincerely,

Honourable Devin Dreesen  
Minister, Agriculture and Forestry



PO Box 1925  
Blairmore, AB T0K0E0  
www.abinvasives.ca



March 5, 2020

Russel Muenchrath  
Agricultural Fieldman  
Wheatland County  
Hwy. #1, RR#1 Strathmore, AB T1P 1J6

Dear Russel Muenchrath,

My name is Megan Evans and in January, I took the reins as the Alberta Invasive Species Council's new Executive Director! I am beyond excited to be in this role and to work with all of you to protect Alberta from the impacts of harmful invasive species. I've been involved with AISC since 2015, when I started a term as an AISC board member, and I've been working in invasive species management since 2014.

2019 was a busy year for AISC. We attended a variety of events throughout the province providing information and outreach on all the latest invasive species news. We updated our EDDMapS Alberta app, which now includes over 100 invasive species that we encourage you to report on; we delivered a well-received annual conference, which drew over 150 attendees; 112 biocontrol releases were facilitated; and we created a new whirling disease fact sheet.

As you are likely already aware, the AISC is a not-for-profit society dedicated to informing and educating Albertans about the destructive impacts invasive species have on our environment, economy, and society. We endeavour to foster partnerships with like-minded municipalities, agencies and groups to collaboratively develop integrated, long-term management programs, and to engage and empower people to act against invasive species in Alberta.

Information developed by the AISC is used across the province by resource managers, industry leaders and concerned Albertans, and our success and outreach is dependent almost entirely on corporate, government and private sponsorship.

With sufficient funding in 2020, we intend to accomplish the following:

- Attend relevant outreach events, conferences and meetings to engage the public and stakeholders.
- Develop and disseminate educational newsletters and materials.



- Promote, enhance and populate EDDMapS Alberta.
- Provide in the field training on EDDMapS Alberta.
- Update and refresh existing factsheets.
- Increase our presence and engage with the public and stakeholders on social media.
- Update our Grow-Me-Instead brochure with new problem species.
- Update our Water Invaders brochure and hold a number of outreach events to promote the messaging.
- Hold AISC 2020 on March 24 and 25, 2020 at the Lacombe Memorial Centre with an amazing line up of invasive species-related speakers
- With input from our members, revise the AISC Mission and develop a strategic plan so that we can ensure we are most efficiently utilizing our resources to meet our objectives.

We could not do this important work without your continued support. Please consider sponsoring the AISC in 2019 at one of the following levels:

- Platinum - \$10,000
- Gold - \$5,000
- Silver - \$2,000
- Bronze - \$1,000

We will appreciatively recognize your generous sponsorship throughout 2020 on our website, in email campaigns, brochures, at future AISC outreach events, and at our annual conference.

Together we are stronger in the battle against invasive species. Thank you for your consideration and if you are interested in sponsoring the AISC or have any questions, please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "ME".

Megan Evans  
Executive Director, Alberta Invasive Species Council





Health  
Canada Santé  
Canada

Your health and  
safety... our priority.

Votre santé et votre  
sécurité... notre priorité.

Re-evaluation Decision

RVD2020-06

# **Strychnine and Its Associated End-use Products (Richardson's Ground Squirrels)**

*Final Decision*

*(publié aussi en français)*

**4 March 2020**

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

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## Re-evaluation Decision

Under the authority of the *Pest Control Products Act*, all registered pesticides must be regularly re-evaluated by Health Canada's Pest Management Regulatory Agency (PMRA) to ensure that they continue to meet current health and environmental standards and continue to have value. The re-evaluation considers data and information from pesticide manufacturers, published scientific reports and other regulatory agencies. Health Canada applies internationally accepted risk assessment methods as well as current risk management approaches and policies.

Strychnine is an active ingredient used in restricted-class products which may be applied as baits to control predators, Northern pocket gophers and ground squirrels (Richardson's, Columbian, Franklin's, and thirteen-lined). Since the uses on predators and Northern pocket gophers were re-evaluated separately in 2007,<sup>1</sup> this re-evaluation decision focusses only on ground squirrels, specifically Richardson's ground squirrels. Uses on other ground squirrel species were recently discontinued by the manufacturer. Currently registered products containing strychnine used to control Richardson's ground squirrels can be found in the Pesticide Label Search and in Appendix I.

The regulatory approach for the re-evaluation of strychnine (ground squirrel use) was first presented in the Proposed Re-evaluation Decision PRVD2018-13,<sup>2</sup> which underwent a 90-day consultation period ending on 27 September 2018. PRVD2018-13 proposed the cancellation of strychnine used to control ground squirrels due to environmental risks of concern for non-target organisms, including species at risk.

Health Canada received comments relating to the environmental and value assessments. These comments are summarized in Appendix II along with responses by Health Canada. Respondents are listed in Appendix III. These comments and new data/information did not result in revisions to the risk assessments (see Science Evaluation Update), and did not result in changes to the proposed regulatory decision as described in PRVD2018-13. A reference list of information used as the basis for the proposed re-evaluation decision is included in PRVD2018-13, and further information used in the re-evaluation decision is listed in Appendix IV of this document.

This document presents the final regulatory decision<sup>3</sup> for the re-evaluation of strychnine (Richardson's ground squirrels), including the required risk mitigation measures to protect the environment. All products containing strychnine that are registered to control Richardson's ground squirrels in Canada are subject to this re-evaluation decision.

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<sup>1</sup> Re-evaluation Note REV2007-03, *Update on the Re-evaluation of Strychnine*.

<sup>2</sup> "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

<sup>3</sup> "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

## Outcome of Science Evaluation

An evaluation of available scientific information confirmed that there are risks of concern for non-target organisms, including species at risk, for products registered to control Richardson's ground squirrels.

## Regulatory Decision for Strychnine (Richardson's Ground Squirrels)

Health Canada has completed the re-evaluation of strychnine (Richardson's ground squirrels). Under the authority of the *Pest Control Products Act*, Health Canada is cancelling the registration of strychnine, and all associated end-use products, used to control Richardson's ground squirrels for sale and use in Canada. An evaluation of available scientific information has not shown that risks to the environment are acceptable when strychnine is used according to the current conditions of registration, or when additional mitigation is considered. No additional data are requested.

## Risk Mitigation Measures

The mitigation measures required, as a result of the re-evaluation of strychnine (Richardson's ground squirrels), are summarized below.

### Environment

- Cancellation of strychnine used to control Richardson's ground squirrels.

## Next Steps

To comply with this decision, products that are cancelled will be phased out following the implementation timeline outlined below. Refer to Appendix I for details on specific products impacted by this decision.

- One (1) year of sale by registrant from the publication date of this decision document, followed by;
- One (1) year of sale by retailer from the last date of sale by registrant, followed by;
- One (1) year of permitted use from the last date of sale by retailer.

## Other Information

Any person may file a notice of objection<sup>4</sup> regarding this decision on strychnine (Richardson's ground squirrels) within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the [Pesticides](#) section of the Canada.ca website (Request a Reconsideration of Decision) or contact the PMRA's Pest Management Information Service by phone (1-800-267-6315) or by e-mail ([hc.pmra.info-arla.sc@canada.ca](mailto:hc.pmra.info-arla.sc@canada.ca)).

---

<sup>4</sup> As per subsection 35(1) of the *Pest Control Products Act*.

The relevant test data on which the decision is based (as referenced in PRVD2018-13 and this document) are available for public inspection, upon application, in the PMRA's Reading Room (located in Ottawa). For more information, please contact the PMRA's Pest Management Information Service.

# Science Evaluation Update

## 1.0 Environmental Risk Assessment Updates

### 1.1 New 2019 study submitted by the Saskatchewan Ministry of Agriculture

The Saskatchewan Ministry of Agriculture submitted a study (Tansey, J. A. 2019, PMRA# 3027442) to address concerns about the potential for primary and secondary poisoning of non-target organisms resulting from Richardson's ground squirrel (RGS) control programs using strychnine poisoned baits. Strychnine bait (0.4% in grain) was applied at sites in three separate treatment groups: 1) bait applied to a depth of 30 cm in RGS burrows with the burrow entrance covered (covered treatment); 2) bait applied to a depth of 30 cm in RGS burrows with the burrow entrance left uncovered (uncovered treatment); and 3) bait applied to a depth of at least 1 m in RGS burrows with the burrow entrance left uncovered (1-m deep treatment). A control plot was maintained where no baits were applied to any burrows. Twenty-five burrows were treated at each site (0.16 hectares). RGS populations were evaluated pre- and post-treatment and numbers of dead animals were recorded. The presence of any non-target organisms (dead or alive) and ejection of baits was also documented. All plots were observed daily for four days after treatment.

For a summary of the results of the study, see Table 1. The results of the study indicated that application of strychnine baits significantly reduced RGS counts in all treated plots compared to the control plots. Some RGS carcasses were found on the surface of the soil for all strychnine treatments. Analysis of the carcasses showed that 73% of those found tested positive for the presence of strychnine; others appeared to have died from non-treatment related causes. In this study, one RGS carcass was found on the surface of a treated site for every 15 burrows baited with strychnine. When considering only confirmed strychnine-poisoned RGS carcasses, this study found one poisoned carcass on the surface of a treated site for approximately every 20 burrows treated. The presence of non-target animals at the treated plots was confirmed by direct observation and/or game camera footage. These sightings included hawks, grouse, crows, grackles, swallows, meadowlark, songbirds, coyotes, foxes, antelope, and badgers. The only non-target carcasses found were four deer mice (1-m deep treatment sites only), three of which were necropsied and whose deaths were confirmed to be the result of strychnine poisoning.

The results of this study confirm previous observations discussed in PACR2005-08<sup>5</sup> and PRVD2018-13 that the application of strychnine baits, in accordance with label instructions to control RGS populations, results in the availability of poisoned RGS carcasses on the surface of treated sites. Observations recorded during the study period confirmed that non-target animals were actively scavenging these carcasses within the treatment plots. Although the results from this study did not conclusively determine that predators or scavengers had consumed a lethal dose of strychnine through scavenging of poisoned carcasses (as no dead predators or scavengers were reported), there is evidence from previous studies and incident reports that secondary poisoning does occur (PACR2005-08, PRVD2018-13). Observations for this study were

---

<sup>5</sup> Proposed Acceptability for Continuing Registration PACR2005-08, *Re-evaluation of Strychnine*.

conducted over a limited four-day period and any animals that may have consumed strychnine bait or scavenged on poisoned carcasses may have left the area under observation. In addition, if treatment is repeated multiple times during an infestation, the risk to predators and scavengers would be greater. A low percentage of treated burrows (8–15%) were reported to have bait ejected from them. As strychnine is a highly toxic substance, bait ejection, even at these levels, is considered to be an important route of primary exposure for non-target organisms. This is supported by the presence of deer mouse carcasses in the treatment area whose deaths from strychnine were confirmed. These non-target primary poisonings could subsequently lead to a higher potential for secondary poisonings as well.

**Table 1 Results and Observations: Application of strychnine bait (0.4% in grain) in three treatments (30-cm covered, 30-cm uncovered, and 1-m uncovered) to burrows in field sites in Saskatchewan for the control of Richardson’s ground squirrels**

Observations <sup>1,2</sup>	Treatment			
	Control	30 cm - Covered	30 cm - Uncovered	1 m - Uncovered
Number of burrows treated	75	75	75	75
Total dead (all replicates)	1	4	4	7
Cause of death	Autolysis (1)	Autolysis (1); Strychnine (2); No diagnosis (1)	Strychnine (3); No diagnosis (1)	Pulmonary emmonsia (1); Strychnine (6)
Total bait ejection events	0	6	6	11

1 Three replicates per treatment; 25 burrows per replicate plot

2 Four-day observation period post-treatment

In general, the results of this study support the observations reported in field studies that were previously reviewed for the re-evaluation of strychnine for the control of RGS (PACR2005-08, PRVD2018-13). Although the number of target and non-target poisonings recorded in this study are relatively low, it is important to relate these results to the size of the area that was treated. The total baited area covered by the study was 1.44 hectares, which is small compared to the amount of land that would likely be baited during an infestation of RGS. This is also a much smaller area than was treated in some of the studies that were conducted previously, where non-target deaths were also reported (PACR2005-08, PRVD2018-13). For this 2019 study, 75 burrows received untreated bait and 225 burrows received strychnine-treated baits. In contrast, several thousand burrows had been baited in some of the previous studies that were conducted. In addition, this study involved a single application of bait to the treated area, whereas for other studies multiple applications were made. Considering the limited size and duration of this study and the number of burrows that would be treated during a full scale RGS program, the number of poisoned RGS carcasses that would be available on the surface to be scavenged is likely to be much larger than what was observed in the four-day study that was submitted to Health Canada.

The results of this study further support the environmental risk conclusions presented in PRVD2018-13. When label directions for the use of strychnine to control RGS are followed, this will result in the availability of treated bait ejected from some of the burrows and a number of strychnine-poisoned RGS carcasses on the surface of the field. The treated bait and poisoned carcasses can then be consumed by non-target organisms and may result in secondary poisoning.

As a result of repeated bait applications over a relatively large area during a full-scale RGS control program with strychnine, the level of exposure is expected to be high. Potential mitigation measures, such as placing the bait deeper into the burrow or covering the burrow, have been shown to be ineffective at reducing the number of poisoned ground squirrels available on the surface or the frequency of bait ejections from treated burrows. No further label improvements or additional mitigation measures have been identified that could reduce the potential exposure to non-target organisms to a level that would be considered acceptable. Therefore, based on a scientific evaluation of the available data, the environmental risks associated with the use of strychnine to control RGS are not considered to be acceptable.

## **1.2 Incident Reports**

Three incidents relating to the use of strychnine to control RGS were reported to Health Canada since the publication of PRVD2018-13 either through the Incident Reporting Program or through comments received during the consultation period. All three reported incidents involved the death of dogs. One incident resulted in the death of a dog that was autopsied and confirmed to have died from strychnine poisoning; this incident was assigned a causality of “highly probable.” The dogs in the other two incidents did not have residue analyses performed; one of these incidents was assigned a causality of “possible” while the other had “insufficient information.” The information provided in these incident reports did not alter the conclusions of the environmental risk assessment.

## **2.0 Conclusion**

After considering the 2019 field study and comments received relating to PRVD2018-13, the overall environmental risk conclusions and mitigation measures presented in this re-evaluation decision document are found to be consistent with those previously presented in PRVD2018-13.

Based on the evaluation of currently available scientific information, Health Canada has concluded that the environmental risks associated with the use of strychnine and its associated end-use product to control Richardson’s ground squirrels were not shown to be acceptable when this product is used according to the label directions and required mitigation measures. Therefore, under the authority of the *Pest Control Products Act*, Health Canada is cancelling strychnine used to control Richardson’s ground squirrels.



## Appendix I Registered Strychnine Products (Richardson's Ground Squirrels in Canada)<sup>1</sup>

**Table 1 Products Containing Strychnine Cancelled as a Result of Re-evaluation**

Registration Number	Marketing Class	Registrant	Product Name	Formulation Type	Guarantee
30433	Restricted	Maxim Chemical International Ltd.	2% Liquid Strychnine Concentrate	Suspension	2% STR

<sup>1</sup>as of 10 December 2019, excluding discontinued products or products with a submission for discontinuation

**Table 2 Products Containing Strychnine that Do Not Require Label Amendments**

Registration Number	Marketing Class	Registrant	Product Name	Formulation Type	Guarantee
31756	Technical	Maxim Chemical International Ltd.	Maxim Technical Strychnine	Solid	99% STR

<sup>1</sup>as of 10 December 2019, excluding discontinued products or products with a submission for discontinuation

## Appendix II Comments and Responses

In response to the consultation for the strychnine (ground squirrel use) proposed re-evaluation decision, PRVD2018-13, a total of 9280 written comments were received (respondents' affiliations listed in Appendix III). These comments were considered during the final decision phase of this re-evaluation. Summarized comments and Health Canada's responses to them, are provided below.

### 1.0 General Comments on the Re-evaluation

#### 1.1 Comments relating to ground squirrels and gophers as target pests

Comments were received from a Member of Parliament for Battle River and Crowfoot relating to clarification between ground squirrels and gophers as the target pest in PRVD2018-03, *Strychnine and Its Associated End Use Products (Ground Squirrel Use)*.

#### Health Canada Response

PRVD2018-13 focused only on the use of strychnine to control the following ground squirrel species: Richardson's (*Uroditellus richardsonii*; formerly *Spermophilus richardsonii*); Columbian (*Uroditellus columbianus*); Franklin's (*Poliocitellus franklinii*); and thirteen-lined (*Ictidomys tridecemlineatus*). However, ground squirrels species, with the exception of Richardson's, have since been voluntarily discontinued by the manufacturer and are no longer registered. The use of strychnine to control Northern pocket gophers was previously re-evaluated in Re-evaluation Note REV2007-03, *Update on the Re-evaluation of Strychnine*. However, use on Northern pocket gophers was recently discontinued and is no longer registered.

#### 1.2 Comments relating to ground squirrels as pests

Comments were received from the Animal Alliance of Canada indicating that RGS should not be considered pests due to their importance as part of the wildlife ecosystem. Other comments received from Saskatchewan Ministry of Agriculture, crop and livestock associations, municipalities and farmers related to the serious and negative impact of RGS on agricultural producers.

#### Health Canada Response

Health Canada recognizes that ground squirrels serve an important role in the ecosystem by providing a food source for predators and shelter for other wildlife through their burrows. However, under Section 2 of the *Pest Control Products Act*, a "pest" is defined as:

“an animal, a plant or other organism that is injurious, noxious or troublesome, whether directly or indirectly, and an injurious, noxious or troublesome condition or organic function of an animal, a plant or other organism.”

Based on this definition, ground squirrels, including RGS, are considered agricultural pests due to the substantial damage they cause to crops, livestock and equipment which can result in economic losses for farmers.

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### 1.3 Comments relating to the quality and quantity of information considered

Comments were received from crop and livestock associations, municipalities, and farmers on the limited number of studies reviewed during the re-evaluation of strychnine for RGS control, as well as concerns regarding the quality of these studies.

#### Health Canada Response

In order to ensure that registered pesticides continue to meet current health and environmental standards, re-evaluations consider available scientific data and information from pesticide manufacturers, published scientific reports and other regulatory agencies. Health Canada applies internationally accepted risk assessment methods as well as current risk management approaches and policies to its re-evaluations.

PRVD2018-13 was a continuation of the re-evaluation of strychnine specific to ground squirrel control. A Re-evaluation Note REV2007-03 identified that the use of strychnine to control ground squirrels was a concern from an environmental perspective. However, this use of strychnine was maintained, with the implementation of interim mitigation measures, in order to allow for the development of new data/approaches by the Richardson's Ground Squirrel Integrated Pest Management (RGS IPM) Steering Committee. This committee was formed to identify, develop and promote the use of products other than strychnine, and to develop IPM strategies to control RGS. Once completed, the data would be submitted to Health Canada for review and to make a final decision on strychnine.

The primary focus of PRVD2018-13 was to consider any new information on the use of strychnine to control RGS since REV2007-03, such as the field studies conducted between 2007 to 2010 as part of the RSG IPM Steering Committee project, grower surveys and published literature.

### 1.4 Comments relating to humaneness

Comments were received from the Animal Alliance of Canada, Wolf Awareness Inc., Humane Society International/Canada and University of Calgary relating to how the use of strychnine is an inhumane method to kill vertebrate pests.

#### Health Canada Response

Health Canada acknowledges the growing concern among Canadians about the use of pest control products to control vertebrate pests. Health Canada published *Consultation: Humane Vertebrate Pest Control* in December 2018 in order to consult Canadians on how the humaneness of pesticides to control predators could be considered during their approval and use. Comments from this consultation are currently under review.

## **2.0 Comments Related to the Environmental Risk Assessment**

### **2.1 Comments related to use of public literature for the environmental risk**

Comments were received from the Canadian Cattlemen's Association, Saskatchewan Ministry of Agriculture, Saskatchewan Cattleman's Association, Canadian Canola Growers Association and the Grain Growers of Canada regarding the use of studies available in the public literature. The commenters suggested that Health Canada relied heavily on a study conducted by Alpha Wildlife Research and Management Ltd (Field Evidence of Non-Target and Secondary Poisoning by Strychnine and Chlorophacinone Used to Control Richardson's Ground Squirrels in Southwest Saskatchewan, referenced in PRVD2018-13) and did not adequately consider other studies from the public literature.

#### **Health Canada Response**

In 2002, the Richardson's Ground Squirrel IPM and Steering Committee was created to provide advice on sustainable control of RGS in the Prairies. It consisted of experts representing agricultural producers, industry, researchers, provincial governments and Health Canada. With direction from this committee and funding from Saskatchewan's Ministry of Agriculture Development Fund, Advancing Canadian Agriculture and Agri-Food Fund (ACAAF) and Alberta Agriculture and Rural Development, Alpha Wildlife Research and Management Ltd. conducted various studies towards the goal of developing and promoting a pest management strategy for the control of RGS in the Prairies. The study referred to in this comment was part of this work. This study was considered by Health Canada to be particularly relevant as it was commissioned by the multi-disciplinary RGS IPM Steering Committee to specifically assess the impact of strychnine used to control RGS in the Prairies. This study was submitted to Health Canada by the Alberta government in 2011 and was considered to be acceptable and a pertinent study in the re-evaluation of strychnine used for the control of RGS.

It is also important to note that PRVD2018-13 focussed on new information that was made available after the publication of PACR2005-08. All information referenced in both proposed decision documents contributed towards the re-evaluation decision. This includes other important field studies that were carried out by either the Government of Alberta or the Government of Saskatchewan and were also referenced in PACR2005-08. These studies are listed below.

- Bourne et al., 2001 (data also contained in the published report Bourne et al., 2002, PMRA# 3052704) showed that the treatment of 60 hectares with strychnine baits resulted in 221 dead ground squirrel carcasses being observed on the surface and, thus, available to scavengers. These numbers were not corrected for potential losses due to scavenging or low search efficiency (to find dead carcasses) by researchers conducting the study and, therefore, are probably an underestimation of total carcasses resulting from strychnine poisoning.
- McKinnon et al., 2001 (PMRA# 3051149) examined the potential for non-target primary poisonings by comparing the number of strychnine-treated kernels reaching the surface of the soil after bait was placed within ground squirrel burrows. Two scenarios were compared: leaving the burrow open after treatment and collapsing the opening. Results indicated that collapsing the burrow entrance did not result in a significant reduction to the amount of

poisoned kernels reaching the soil surface (a finding that was corroborated by the study submitted in 2019 by the Saskatchewan Ministry of Agriculture, Tansey, J. A. 2019, PMRA# 3027442). Both scenarios would result in a significant number of small concentrated areas of strychnine-treated grain on the soil surface. The study estimated that, at a minimum, 108 000 small concentrated areas of strychnine-treated grain were created as a result of the 2001 Emergency Registration of 2% Liquid Strychnine Concentrate in Saskatchewan. Thus, based on this information, the potential for non-target poisonings from eating ejected grain baits is considered to be significant.

- McKinnon et al., 2002 (PMRA# 3051153) examined the potential for secondary non-target poisonings as a result of scavengers feeding on the carcasses of poisoned ground squirrels. On the basis of carcass counts, the study estimated that the 2001 Emergency Registration of 2% Liquid Strychnine Concentrate in Saskatchewan potentially resulted in approximately 4680–4980 strychnine poisoned ground squirrel carcasses being available to scavengers on the soil. A similar exercise was undertaken to determine potential songbird mortalities from consumption of poisoned grain during this baiting season. Researchers estimated that approximately 1800 songbirds (95% C.I. = 300–3600) to 1950 songbirds (95% C.I. = 450–3750) would have been poisoned and that these carcasses would also be available to scavengers. For both estimates, carcass counts were corrected because observations by researchers indicated that a significant amount of scavenging was occurring before researchers could complete their counts in the field. A correction factor was also used to adjust carcass counts based on how well researchers could find dead animals while searching a field. Approximately 85% of carcasses that were deliberately placed in a field were found by researchers. The potential impact on scavengers could not be estimated as the amount and distribution of strychnine within the tissues of the carcasses was not determined. However, this information indicates that the potential for exposure is likely to be significant.
- Mackinnon et al., 2004 (PMRA# 3051152) conducted another study in 2002 and found a total of 82 RGS carcasses on the surface of the fields for an average of 6.8 carcasses/ha. They also found that 94 of 120 Japanese quail carcasses that were deliberately placed in a strychnine-treated field were scavenged after three days.

Researchers affiliated with the Governments of Alberta and Saskatchewan carried out these studies. These studies show that RGS baiting consistently leads to poisoned RGS carcasses available for scavengers on the surface of fields and that rejected strychnine baits are available to non-target organisms on the surface of fields. Additional information provided in these studies indicates that reported target and non-target poisoning counts are likely underestimated because of two factors. First, carcasses may be missed when people are conducting searches of the fields to find dead animals and, second, scavengers are very quick and effective at removing dead animals from the surface of fields.

Other information provided in the above-mentioned studies addressed additional issues that were raised by the commenters. Comments suggested that studies by Schmutz et al., 1989 (PMRA# 3075611), James et al., 1990 (PMRA# 3075616) and Marsh *et al.*, 1987 (PMRA# 3075652) indicated that some raptorial bird species and coyotes eviscerate their prey prior to consumption and, therefore, would avoid much of the strychnine residue in poisoned RGS. McKinnon et al., 2002 (PMRA# 3051153) indicated: “It is important to note, however, that 34% of coyotes, 30%

of Ferruginous Hawks and 45% of Swainson's Hawks did not eviscerate ground squirrels in the studies reported above. In addition, as observed in the male ground squirrels in this study, large amounts of strychnine-treated grain can be stored in their cheek pouches and this source of poison would not be discarded through evisceration (Schmutz et al., 1989, PMRA# 3075611).” Although some individuals of some species of scavengers have been shown to exhibit a tendency to eviscerate RGS before consuming them, this does not eliminate the risk to these non-target organisms or to any of the other non-target organisms that have not been shown to exhibit a tendency for this behaviour. Schmutz et al., 1989 (PMRA# 3075611) and James et al., 1990 (PMRA# 3075616) also provide further evidence that below ground strychnine baiting to control RGS leads to RGS carcasses being available on field surfaces. As summarized in McKinnon et al., 2002 (PMRA# 3051153), “Schmutz et al. (1989) and James et al. (1990) applied strychnine-treated grain bait into burrows, and found 19 dead squirrels (4.4 carcasses/100 burrows) in a study in Alberta and 41 dead ground squirrels (1.37 carcasses/100 burrows) in a study in Saskatchewan, respectively. These studies are not directly comparable to our study either, because they did not correct for scavenging or search efficiency of observers and carcass searches were only conducted on the day of application or the following day.”

## **2.2 Comments related to non-target poisoning risks from the use of strychnine for pocket gophers**

Comments were received from the Canadian Cattlemen's Association and the Saskatchewan Association of Rural Municipalities (SARM) indicating that use of strychnine to control pocket gophers does not lead to significant non-target poisoning risks.

### **Health Canada Response**

Health Canada's current re-evaluation decision is regarding the use of strychnine to control Richardson's ground squirrels only (*Spermophilus richardsonii*). The use of strychnine to control Northern pocket gophers (*Thomomys talpoides*) was previously re-evaluated (REV2007-03); however, it has been recently discontinued by the manufacturer and is no longer registered.

## **2.3 Comments related to the importance of reported non-target poisonings from strychnine**

A comment received from the Saskatchewan Ministry of Agriculture and the Municipal District of Wainwright No. 61 questioned if the 21 strychnine-related Canadian incidents reported between 2008 and 2017, involving domestic or wild animals, constitutes an important issue.

### **Health Canada Response**

Health Canada has concluded that the evidence provided in reported incidents supports the conclusion that the use of strychnine for the control of RGS poses environmental risks. Results from several of the studies that were considered for this assessment indicated various reasons why poisoning of non-target organisms resulting from strychnine use may be significantly underreported. Scavenging of dead carcasses, such as ground squirrels and ring-necked pheasants, from fields was reported to be high (62–86% of deliberately placed carcasses) and occurred within a few days. Thus, scavengers could quickly remove carcasses of dead animals from a field before being noticed. These studies also showed that attempted recovery by

researchers of deliberately placed carcasses in a field was low, indicating that many animal carcasses, if present in treated fields, may not be found and reported. Based on these findings, McKinnon et al., 2004 (PMRA# 3051152) estimated that thousands to tens of thousands of songbirds may be poisoned by strychnine each year that it is used. Proulx (2010)<sup>6</sup> had also discussed the potential for underestimation of non-target poisonings.

Therefore, based on the expected low search efficiency of people to retrieve carcasses (either during a planned research project or routine surveillance of treated fields by applicators) and high estimated scavenging rates by animals, it is possible that a large number of carcasses could go undetected, thus underestimating the impact of strychnine on non-target mortalities. These issues were also noted in the more recent study by Proulx (2010)<sup>6</sup>.

## **2.4 Comments related to the incorporation of integrated pest management strategies in the proposed re-evaluation decision**

Comments from the Saskatchewan Ministry of Agriculture suggested that the proposed re-evaluation decision for strychnine use on Richardson's ground squirrels did not sufficiently consider the efforts of the Alberta and Saskatchewan provincial governments to implement RGS Stewardship Programs in 2011, which, among other things, attempted to promote the incorporation of IPM strategies to help control RGS.

### **Health Canada Response**

Health Canada recognizes the efforts of the Alberta and Saskatchewan provincial governments to educate purchasers of strychnine about the merits and implementation of IPM strategies. Health Canada considered the information in the reports that were provided by the provinces and considered the levels of implementation of the various IPM methods. After considering all available information for this risk assessment, Health Canada determined that IPM strategies using strychnine were either not sufficiently effective or practical for strychnine users and, as a result, do not adequately mitigate the risk to non-target organisms from the use of strychnine to control RGS.

## **2.5 Comment regarding development of Integrated Pest Management (IPM) Strategies**

A comment was received from Team Alberta, the Municipal District of Pincher Creek Agricultural Service Board and the Rural Municipalities of Alberta suggesting that Integrated IPM Strategies and adequate mitigation measures need to be researched and developed.

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<sup>6</sup> Proulx, G. 2010. Field Evidence of Non-Target and Secondary Poisoning by Strychnine and Chlorophacinone Used to Control Richardson's Ground Squirrels in Southwest Saskatchewan. Proceedings 9th Prairie Conservation and Endangered Species Conference, February 2010, Winnipeg, Manitoba. (PRVD2018-13, PMRA# 2733770).



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## Health Canada Response

PACR2005-08 and REV2007-03 considered the ongoing work being conducted by a national expert group to promote and develop a pest management strategy for the control of Richardson's ground squirrels. The Richardson's Ground Squirrel Integrated Pest Management Steering Committee consisted of experts from producers, industry, researchers, provincial governments and Health Canada. The work proposed by this committee was to investigate appropriate IPM strategies and potential mitigation measures for the use of strychnine for RGS. Continued use of strychnine to control RGS was allowed as work on the RGS pest management strategy was continuing. Reports provided as a result of the work conducted by this expert group were ultimately reviewed and considered for the re-evaluation of strychnine to control RGS (PRVD2018-13) and the final re-evaluation decision.

Considering all available information, it was determined that existing mitigation measures cannot adequately address the risks to non-target organisms. As a result, Health Canada has concluded that the environmental risks associated with the use of strychnine for the control of RGS were not shown to be acceptable when used according to label directions and that no further mitigation measures can be implemented that are feasible to users of the product.

### **2.6 Comments regarding use of chlorophacinone as an alternative to strychnine**

#### **2.6.1 The Saskatchewan Cattleman's Association commented that chlorophacinone, suggested as an alternative to strychnine, has also been responsible for non-target species deaths.**

## Health Canada Response

Health Canada acknowledges that chlorophacinone has also been shown to cause non-target poisoning when used to control RGS. All registered pesticides must be regularly re-evaluated by Health Canada to ensure that they continue to meet current health and environmental safety standards. The re-evaluation of chlorophacinone is scheduled to be initiated in 2021–2022.

#### **2.6.2 The Saskatchewan Ministry of Agriculture cited a paper by Elliott et al., 2016 (PMRA# 3075667) that stated that chlorophacinone and diphacinone tend to persist and accumulate in the body, which has led to widespread contamination of terrestrial predators and scavengers.**

## Health Canada Response

The paper by Elliott et al., 2016 (PMRA# 3075667), that was cited by the Saskatchewan Ministry of Agriculture, focuses on second-generation anticoagulant rodenticides (SGARs). There are no SGARs registered to control RGS. Chlorophacinone is a first-generation anticoagulant rodenticide (FGAR) that is not as persistent or bioaccumulative as the SGARs. The quotation cited by the Saskatchewan Ministry of Agriculture regarding “their tendency to persist and accumulate in the body” that “has led to the widespread contamination of terrestrial predators and scavengers” has been misattributed to chlorophacinone and was actually referring to other uses of SGARs.



Chlorophacinone is not mentioned in the Elliott et al., 2016 (PMRA# 3075667) paper. Diphacinone is also a FGAR and is not registered for use in Canada to control RGS. It is, therefore, not an alternative to strychnine.

## **2.7 Comments regarding species at risk**

The Saskatchewan Ministry of Agriculture commented that the concern for species at risk is unwarranted as the current use restrictions on the label are adequate and these products are generally not used in areas where species at risk tend to frequent.

### **Health Canada Response**

Species at risk such as the burrowing owl (*Athene cunicularia*) and the swift fox (*Vulpes velox*) are known to inhabit western prairies and grasslands and feed on various smaller animals such as RGS. The 2% Liquid Strychnine Concentrate label states that use of strychnine in any areas where species at risk are known to frequent is not permitted. Although species at risk are monitored by provincial authorities, some overlap may occur between fields where strychnine is being applied and areas where species at risk are expected to inhabit. The potential risk to all non-target species, including those designated as “at risk”, were considered for this review using a weight-of-evidence approach. In other words, the potential risk to species at risk was only one of many factors that were considered for the final re-evaluation decision for strychnine use to control ground squirrels.

## **2.8 Comment regarding the citation of James et al. (1990) in PRVD2018-13**

The Saskatchewan Ministry of Environment commented that Health Canada miscited James et al., 1990 (PMRA# 3075616) in PRVD2018-13 by writing “...strychnine-killed ground squirrels may have an impact on the health of owls.”

### **Health Canada Response**

James et al., 1990 (PMRA# 3075616) evaluated the potential impact of the use of strychnine-coated grain to control RGS on breeding burrowing owls in southern Saskatchewan during 1988. The study found that adult owl survival, breeding success (percent of pairs producing at least one chick), number of chicks produced per successful nest or nest attempt, and chick weights were not significantly different between eight operationally poisoned and seven control pastures. However, the study also found that adult owl weights were significantly higher on the control pastures indicating a possible sublethal effect. Other potential sublethal effects were not investigated.

Health Canada acknowledges that the conclusion based on James et al., 1990 (PMRA #3075616), as cited in PRVD2018-13, should be amended as follows (see **bold**): As burrowing owls nesting in agricultural fields may adopt a specialized diet centred on an abundance of poisoned ground squirrels (Moulten et al. 2005<sup>7</sup>) and considering that information indicates that the burrowing owl may also feed on dead animals (Coulombe, 1971<sup>7</sup>), strychnine-killed ground squirrels may have an impact on the health of owls **in the longer term** (James et al., 1990).

### **3.0 Comments Related to the Value Assessment**

#### **3.1 Comments relating to strychnine efficacy and lack of viable alternatives**

Comments were received from Saskatchewan Ministry of Agriculture, crop and livestock associations, municipalities, and farmers relating to how strychnine is the most effective means to control RGS. The alternatives and IPM strategies are ineffective, not available, impractical, or dangerous.

#### **Health Canada Response**

Health Canada acknowledges the value of strychnine to agricultural users because it is easy to use, cost effective and kills RGS in a single feeding. There are several registered alternatives to strychnine available to users and it is also recognized that the alternatives have their limitations. However, the primary mandate of Health Canada is to prevent unacceptable risk to individuals and the environment from the use of pest control products. The *Pest Control Products Act* requires that pesticides have acceptable risk in order to stay in the market. After a scientific review of available information, Health Canada has concluded that the environmental risks associated with the use of strychnine to control RGS were not shown to be acceptable.

#### **3.2 Comments relating to additional research into Richardson's ground squirrel control**

Comments were received from livestock associations and municipalities that more research is needed in developing a single feed anti-coagulant bait and IPM strategies.

#### **Health Canada Response**

Health Canada encourages grower groups to contact the registrants of potential alternative products, Agriculture and Agri-Food Canada (AAFC), and their provincial representatives to discuss the possibility of pursuing further research into RGS control.

#### **3.3 Comments relating to competitiveness with other countries**

Comments were received from crop and livestock associations indicating that growers need strychnine to manage RGS problems that threaten to damage crops and livestock in order to remain competitive with other countries.

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<sup>7</sup> Proulx, G. 2010. Field Evidence of Non-Target and Secondary Poisoning by Strychnine and Chlorophacinone Used to Control Richardson's Ground Squirrels in Southwest Saskatchewan. Proceedings 9th Prairie Conservation and Endangered Species Conference, February 2010, Winnipeg, Manitoba. (PRVD2018-13, PMRA# 2733770).

**Health Canada Response**

Health Canada acknowledges the importance of producers being competitive with other countries and recognizes the need for pest control products that are effective, but do not pose unacceptable risks to human health or the environment.

## Appendix III List of Respondents to PRVD2018-13

List of respondents' affiliations in terms of comments submitted in response to PRVD2018-13.

Category	Respondent
Agricultural	Canadian Cattlemen's Association
Agricultural	Saskatchewan Stock Growers
Agricultural	Agricultural Producers Association of Saskatchewan
Agricultural/Registrant	Saskatchewan Association of Rural Municipalities
Agricultural	The Association of Alberta Agricultural Fieldmen
Agricultural	Team Alberta comprised of Alberta Barley, Alberta Canola, Alberta Pulse Growers and Alberta Wheat Commission
Agricultural	Alberta Beef Producers
Agricultural	Canadian Canola Growers Association
Agricultural	Saskatchewan Cattlemen's Association
Agricultural	Grain Growers of Canada
Agricultural	Agricultural Service Board of Lethbridge
Agricultural	Agricultural Service Board Special Area No. 4
Municipal	Municipal District of Willow Creek Agricultural Service Board
Municipal	Municipal District of Bonnyville No. 87
Municipal	Municipal District of Wainwright No. 61 and its Agricultural Producers
Municipal	County of Warner No. 5
Municipal	Municipal District of Pincher Creek Agricultural Service Board
Municipal	Municipal District of Wainwright No.61
Municipal	County of Vermilion River
Municipal	Vulcan County
Municipal	County of Newell
Municipal	Rural Municipalities of Alberta
Municipal	Lamont County, Agricultural Service Board
Municipal	Wheatland County, Agricultural Service Board Chairman
Government	Member of Parliament Battle River - Crowfoot
Government	Saskatchewan Ministry of Agriculture
Non-government organization	Animal Alliance of Canada
Non-government organization	Wolf Awareness Inc.
Non-government organization	Humane Society International/Canada
Non-government organization	Alberta Wilderness Association
Non-government organization	University of Calgary
General public	Members of the general public

## Appendix IV References Considered Following Publication of PRVD2018-13

Note that the following includes only references that were not previously considered in PRVD2018-13.

### A. Information Considered in the Updated Environmental Assessment

#### Additional Information Considered

##### Published Information

PMRA Document Number	Title
3052704	Bourne, J. B., Roy, L. D., Hiltz, M., Merrill, P. N., & Hoffmann, W. 2002. Strychnine baits to control Richardson's ground squirrels: an old story, a new twist. In <i>Proceedings of the Vertebrate Pest Conference</i> (Vol. 20, No. 20, pp. 11-16).
3075611	Schmutz, J. K., Rose, K. A., & Johnson, R. G. 1989. Hazards to raptors from strychnine poisoned ground squirrels. <i>J. Raptor Res.</i> 23(4): 147-151.
3075616	James, P. C., Fox, G. A., & Ethier, T. J. 1990. Is the operational use of strychnine to control ground squirrels detrimental to burrowing owls?. <i>J. Raptor Res.</i> 24(4): 120-123.
3075652	Marsh, R. E., Schmidt, R. H., & Howard, W. E. 1987. Secondary hazards to coyotes of ground squirrels poisoned with 1080 or strychnine. <i>Wildl. Soc. Bull.</i> 15: 380-385.
3075667	Elliott, J. E., Rattner, B. A., Shore, R. F., & van den Brink, N. W. 2016. Paying the pipers: mitigating the impact of anticoagulant rodenticides on predators and scavengers. <i>BioScience</i> 66: 401-407.

##### Unpublished Information

PMRA Document Number	Title
3027442	Tansey, J. A. 2019. Evaluation of Strychnine Baiting on Richardson's Ground Squirrel, <i>Uroditellus richardsonii</i> , Control and Effects on Non-Target Organisms. Saskatchewan Ministry of Agriculture. 26 pages.
3051149	McKinnon, D., Wilk, C., & Mineau, P. 2001. Potential for primary poisoning of non-target species from the use of strychnine-treated wheat bait to control Richardson's Ground Squirrels. Unpublished Report.

<b>PMRA Document Number</b>	<b>Title</b>
3051152	McKinnon, D. & P. Mineau. 2004. Effectiveness and non-target impact of zinc phosphide and various concentrations of strychnine in controlling Richardson's Ground Squirrels in Saskatchewan. Unpublished Report.
3051153	McKinnon, D., Wilk, C., & Mineau, P. 2002. Potential for secondary poisoning from the use of 2% strychnine-treated wheat bait to control Richardson's Ground Squirrels. Unpublished Report.

## Annual Report 2019



### **An update on invasive weed biocontrol activities in Alberta**

Tim Skuse (AISC), Karma Tiberg (AAFC) and Rob Bouchier (AAFC)



**Agriculture Agri-Food Canada (AAFC)**  
*in collaboration with*  
**The Alberta Invasive Species Council (AISC)**

# Operational Biological Control Release Program Report

Annual Report 2019

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## Highlights from 2019

The operational biocontrol release program:

Monitored 103 releases of biocontrol agents from 2018:

- Leafy spurge – 74 sites monitored (98% establishment of *Aphthona* spp.)
- Houndstongue – 4 sites monitored (100% establishment of *Mogulones crucifer*)
- Dalmatian toadflax – 15 sites monitored (100% establishment of *Mecinus janthiniformis*)
- Spotted/diffuse knapweed - 10 sites monitored (80% establishment of *Larinus minutus* and 40% establishment for *Cyphocleonus achates*)

Conducted 116 new releases of biocontrol agents in Alberta:

- Leafy spurge – 82 releases
- Houndstongue – 5 releases
- Dalmatian toadflax - 13 releases
- Spotted/diffuse knapweed – 13 releases
- Russian Knapweed – 3 release

### Program Highlights:

- Set-up three new nurse sites of Russian knapweed biocontrol agent; one each in Taber, Lethbridge, and County of Warner
- Confirmed establishment of *Mogulones crucifer*, houndstongue weevil near the Alberta-Saskatchewan border. This is the easternmost release to date for this agent
- A total of 39 collaborators participated in the release program including those from: counties and municipal districts, federal and provincial governments, First Nations, non-government organizations, private industry as well as private landowners.
- Nurse sites for all collection of operational biocontrol agents have been identified to ensure another successful year of releases in 2020.

## Introduction

Invasive weeds are non-native plants introduced into a new environment without their associated natural predators. Without pressure from predators, the weeds can outcompete and displace native plants, destroy habitat and threaten biodiversity. The Canada Food Inspection Agency (CFIA) estimates that invasive weeds cost Canada 2.2 billion dollars annually.

An integrated pest management approach that involves chemical, mechanical, cultural and biological control methods is effective at treating infestations of invasive weeds. Under the classical biological control model, a host-specific herbivore (in our case, an insect) is introduced into the ecosystem to restore balance and limit the spread of the invasive weeds. The focus of this approach is not to eradicate the weed but bring it down to a manageable population level within the environment.

Agriculture and Agri-Food Canada (AAFC) has been researching and developing biological control agents since the 1950s. In 2001 AAFC began an operational release program of biocontrol agents in partnership with seven southern Alberta stakeholders: Cardston County, Cypress County, County of Forty Mile, County of Lethbridge, the M.D. of Pincher Creek, the M.D. of Taber and the M.D. of Willow Creek. This project initially focused on leafy spurge biocontrol agents and has since expanded to include agents for houndstongue, Dalmatian toadflax and spotted, diffuse and Russian knapweeds. Since 2001 we have done biocontrol releases at over 1,300 locations in Alberta (see APPENDIX I) and collaborated with more than 39 different municipalities and organizations (see page 25). An important scientific feature of this program is the site monitoring that happens the year following the release. Agent establishment and impact is surveyed and results are tracked by AAFC to be used to improve release strategies. The program's continued success is largely due to the research-based approach to handling biocontrol agents and the selection of appropriate sites by a trained and knowledgeable team.

The Alberta Invasive Species Council (AISC) joined as a project collaborator in 2016. AISC has an ongoing interest in supporting the development of operational biological control in Alberta and assists with program administration. The operational biocontrol release program is funded by the annual support of our Alberta participants and the program is financially self supporting, with limited in-kind support from AAFC. Funding generated by the project will continue to be reinvested into biocontrol research initiatives to develop new biocontrol agents. AAFC is continuing to research and develop new biocontrol agents for multiple weeds as the threat of invasive plants continues to rise.

With the ongoing success of the operational biocontrol release program, funding was available in 2019 to hire three seasonal employees to assist the program coordinator with the collection, release and monitoring of biocontrol agents in Alberta. In 2019, the team consisted of Becky Molina, a recent Bachelor of Science graduate from University of Lethbridge, as well as Tanner Petersen and Nick Hassink, who were both undergraduates at the University of Lethbridge. With this team and the program coordinator, we were able to run two crews: a release crew to perform the new biocontrol agent releases, and a monitoring crew to assess biocontrol agent release sites from 2018.

## Monitoring of 2018 Releases

There were 118 biocontrol agent releases done in Alberta in 2018 for 22 different collaborators (see APPENDIX II). We revisited most of these sites in 2019 to monitor the biocontrol releases. Our monitoring objective is to accurately capture peak insect emergence in a given geographic zone based on seasonal phenology.

Plant damage assessments are a valuable tool to help estimate population densities of biocontrol agents at release sites. Since we are only able to visit each site once during the summer, we only get a snapshot of insect activity on that day and at that time. Weather conditions can affect insect activity and recovery rates. Insects are most active on calm days when it is warm and sunny. Cooler temperatures can slow insects down and cause them to shelter in the litter around the base of the plant, making them harder to detect with surveys. Given the short season and variable weather conditions of southern Alberta, we can not always wait for perfect days to monitor sites.

Monitoring surveys assess agent establishment based on the physical presence of the insect agent or it's unique damage to the target invasive weed. Weather conditions at the time of the site visit were also recorded and photographs taken. In addition to these survey items, we record the distance at which the first target plant is found from the release point, as well as the total time search participants took to find evidence of insect damage to the plant. We score the damage level on the plant as well as the weed infestation level at the site one year following release. These data allow us to track the impact of the biocontrol agents on weed densities at a patch level.

## Leafy Spurge Biocontrol Site Monitoring

Leafy spurge, *Euphorbia esula*, is a perennial invasive plant native to Eurasia. It is found throughout North America infesting rangeland, cropland, and riparian areas. Leafy spurge spreads mainly through its extensive root system as well as by seed. It can quickly displace native vegetation and affect livestock grazing areas. Since the 1980s several species of flea beetle in the genus *Aphthona* have been released in Alberta as a biocontrol agent against leafy spurge. The larvae feed and develop in the roots, while the adults defoliate the plant. Two species of the flea beetle are actively redistributed in Alberta (Figure 1): *Aphthona lacertosa* (the black spurge beetle) and *A. nigriscutis* (the brown spurge beetle). *A. nigriscutis* prefers hot and dry climates with sandy soil and has become widely established along the Oldman and South Saskatchewan Rivers in southeastern Alberta. *A. lacertosa* can survive in a range of different conditions and are able to build in population very quickly. These insects are very effective at limiting the spread of leafy spurge, and we have seen patches controlled in as little as five years.

We used the same sampling protocol developed in 2016 to monitor all leafy spurge sites in 2019. In this protocol, two transect lines are run left and right from the original release point to a distance of 10m. Three sweep samples are taken at the release point, at 3m, at 5m and at 10m on both transect lines for a total of 21 sweeps per site. Beetle numbers reported in APPENDIX IV are an average of *Aphthona lacertosa* beetles recovered over 21 sweeps. We use only the *A. lacertosa* beetles as a metric of beetle abundance in this table because the majority of beetles in our releases are of this species.



Figure 1. *Aphthona lacertosa* and *Aphthona nigricutis*, the flea beetles for leafy spurge.

We also do additional sweeps in the area to determine the furthest distance into the patch the beetles have migrated. GPS photographs are taken at each sweep point to estimate spurge densities using image analysis software. By using GPS photographs, we can photograph the exact spot again if we re-visit the site. These photographs combined with general site photographs allow us to track changes in leafy spurge density at each site over time.

*Aphthona* beetle releases accounted for 74% of all biocontrol agent releases done in 2018. There were a total of 87 leafy spurge agent releases for 18 different collaborators. There was a 98% establishment rate of beetles at the 74 leafy spurge releases that were monitored in 2019. Multiple releases at a single site were requested at some locations within the City of Calgary and in Special Areas 3. The City of Calgary has a dedicated program for monitoring their biocontrol sites within the city. They once again opted to monitor their own 2018 release sites in 2019 and reported that all 12 sites successfully established. Of the remaining 62 sites monitored by our program we failed to find beetles at only one site.

The climate of southeastern Alberta is hotter and drier compared to that of southwestern Alberta in the foothills and mountains. As a result, there is approximately a two-week delay in *Aphthona* beetle development between sites located in Cypress County and Cardston County. Knowing this, our site visits are timed to capture peak *Aphthona* beetle emergence by monitoring sites in the east first and working our way west.

In 2019, we had one site to monitor in Minburn County in central Alberta. We have found the phenology of these sites to be similar to that of southwestern Alberta, so these were monitored after southeastern Alberta and just after monitoring the sites in the southwest.

Collections and new releases of leafy spurge beetles are happening concurrently with site monitoring. Our goal is to get the beetles released as close to their emergence time as possible with minimum holding time spent in cold storage. This helps to ensure they will have high egg loads going into a new release location. Depending on the year, high demand for the *Aphthona* beetle releases combined with the short window of opportunity to collect for our release requirements means that site monitoring is a lower priority and the timing of monitoring can be pushed back.

Of the 62 release sites that we monitored in 2019, 11% had visible halos of lower density spurge directly around the release point associated with heavy feeding by *Aphthona* beetles (Figure 2). A halo is a visible reduction in spurge around the point a release was made that forces the beetles to move further into the patch to feed in a circular pattern

When we do a release, we choose a location that will give the beetles the best chance of survival based on data collected over the years of working with the agent. We consider site features such as slope and aspect, vegetation density, soil profiles, distance from waterways, how sheltered a site is and how much sun it will get. In most cases we get it right, but at some sites the beetles will move to new locations away from the original release point. Therefore, we also do general site sweeps, especially if low beetle numbers are recorded in our 10m transect lines. Spurge beetles can be found 50m or more from the release point when we come back to monitor. Furthest distance *Aphthona* beetles were discovered at an individual release site is included in APPENDIX IV.

The average number of *Aphthona lacertosa* beetles recovered per sweep in 2019 from 2018 biocontrol release sites was slightly higher than from the 2017 release sites monitored in 2018. Sites in the City of Calgary had the highest beetle averages in 2019, followed by sites in Medicine Hat and Cypress County. One site in Medicine Hat had the highest number of beetles per sweep with 3.24 and another site within Medicine Hat had the second highest overall with 2.57 beetles per sweep.



Figure 2. A 2016 leafy spurge biocontrol release site in Flagstaff County, visited in July of 2018. This site has a well defined 'halo' of thin spurge around the original release. Backpack and equipment mark the original release point.

Since we only revisit each site one year after release, our main goal when monitoring is to assess how well a spurge beetle population has established. Higher beetle numbers in our sweeps indicate a population that is more likely to endure and manage leafy spurge populations long-term. Looking at establishment trends at new sites each year over time, average beetle numbers per sweep in counties and Special Areas with the more than three years of data show an increase over 2018 beetle numbers in 2019 (Figure 3). Compared to the past five years of sweep data, 2019 had lower beetles per sweep, especially in comparison to 2016.

Another way we can look at how well our releases have established is through presence/absence checks for spurge beetles and halos (Figure 5). Finding beetles during monitoring shows us there are enough *Aphthona* beetles at a site to capture during a single visit. Finding a halo at a site indicates good establishment as it means spurge beetle populations are high enough to visibly affect leafy spurge populations by removing bolting stems around the release point in one year. In 2019 we observed a slightly higher number of sites with no beetles present and a much lower number of sites with halos present compared to 2015 and 2016, when both beetle and halo presence were high.

The observed trends in beetle establishment and immediate impact are likely a result of the environmental conditions experienced by the beetles. Insect abundance is often tightly related to temperature and higher summer temperatures can result in higher reproductive ability and thus higher population growth and establishment rates. Extreme-low winter temperatures can also result in population crashes if an insect's cold tolerance limits are exceeded. These temperature responses likely explain a large part of the fluctuations we see in *Aphthona* beetle establishment released in Alberta (Figure 4). In general, 2015 and 2016 had higher mean annual temperatures which likely contributed to their overall higher spurge beetle numbers while the following three years have had lower temperatures resulting in fewer beetles.

Annual temperatures can explain broader patterns in spurge beetle establishment, however additional factors can also affect beetle numbers collected in annual monitoring. These include physical site features that can change how easily the beetles will establish (e.g. beetles often aggregate on south facing slopes that are warmer) and the date and weather when a site is monitored. These factors can affect the proximity of the sampling to peak beetle emergence and the level of beetle activity during monitoring. Other climate elements such as precipitation and extreme weather events like flooding or site disturbance from other leafy spurge control efforts, such as spraying can also affect beetle population growth rates.

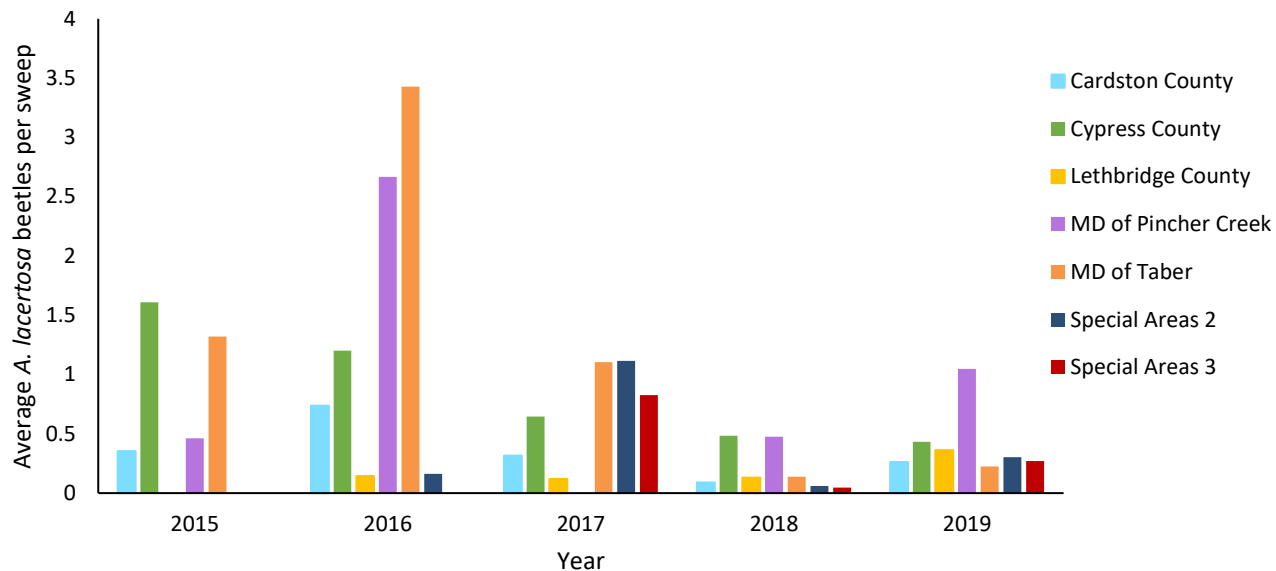


Figure 3. Comparison of average *Aphthona lacertosa* beetles per sweep during monitoring one year after release of new release sites from each previous year. Data from Counties and Special Areas with more than three years of data between 2015 and 2019 are shown. Missing bars indicate no releases were monitored within that county or area in that year.

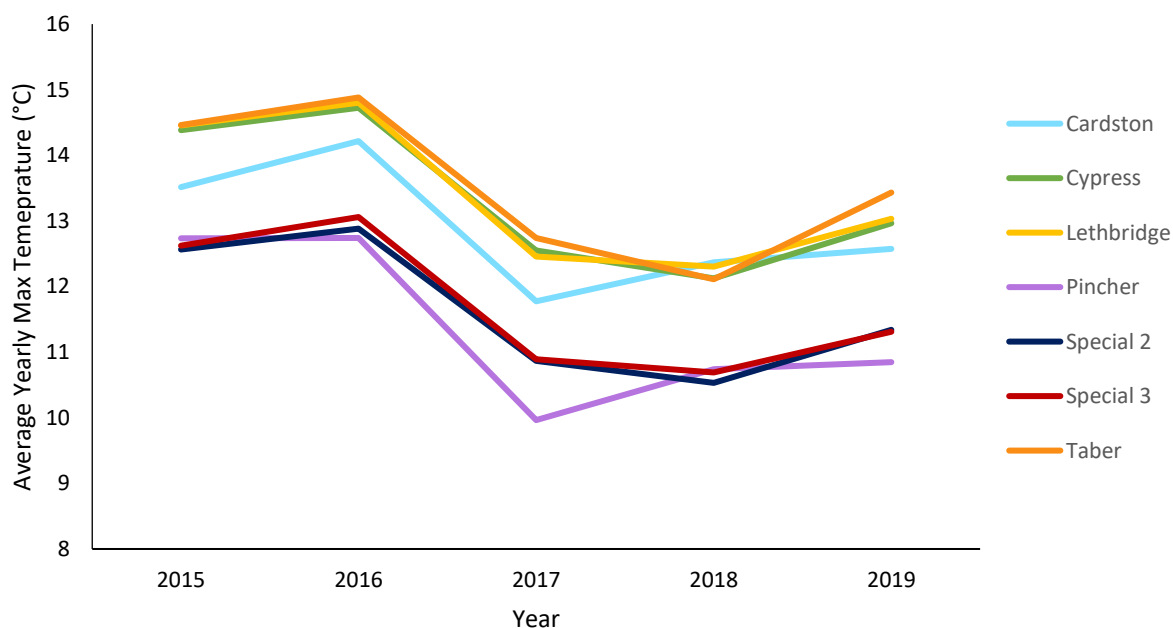


Figure 4. Yearly average temperature maximums for Counties and Areas in Southern Alberta between 2015 and 2019. Yearly averages were calculated from daily temperature maximums between July 1 and June 30 of the following year to approximate temperatures experienced by *Aphthona* beetles from release date to monitoring date the following year. Data retrieved from Alberta Agriculture Interpolated Weather Data: <https://acis.alberta.ca/township-data-viewer.jsp>



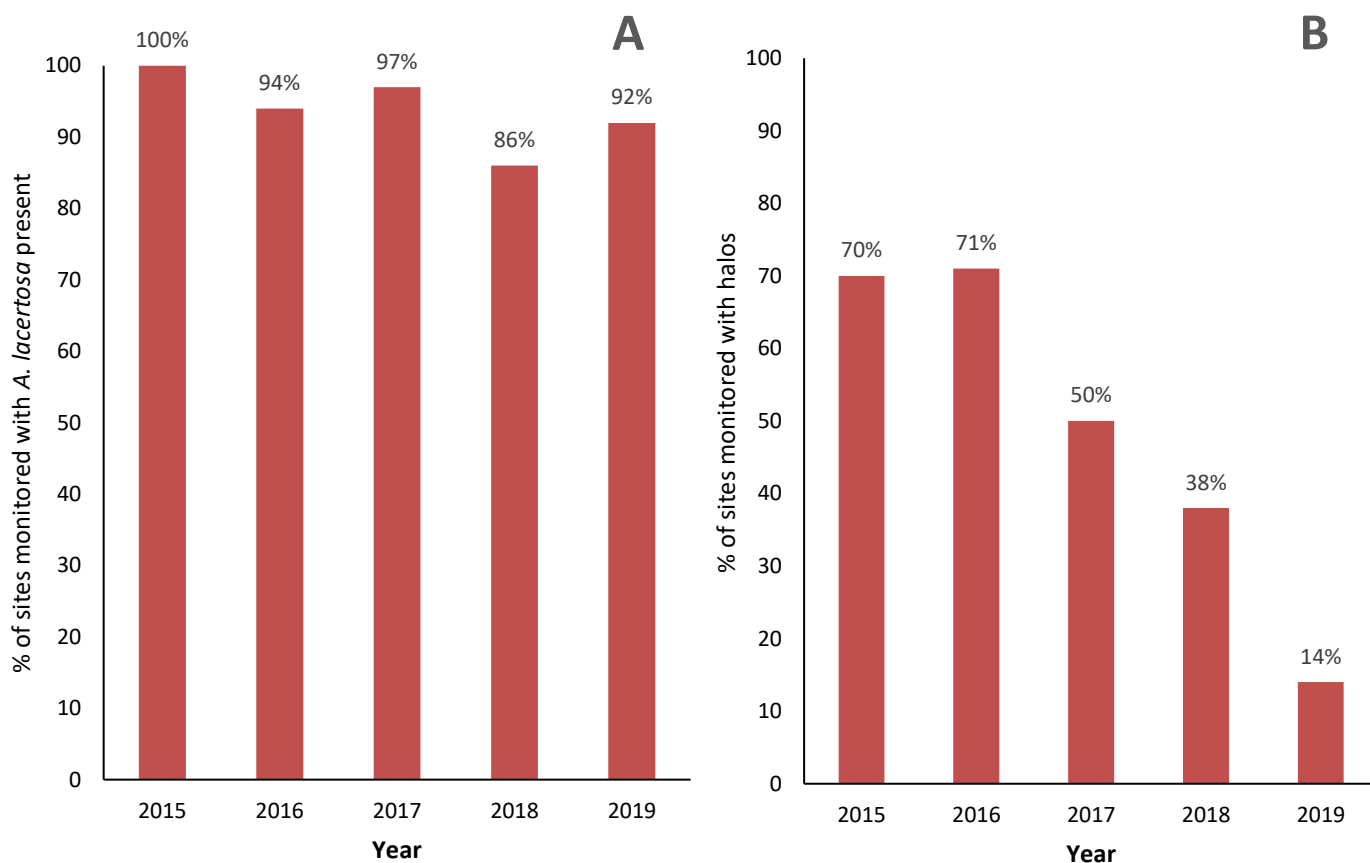


Figure 5. **A)** Percent of sites with *A. lacertosa* spurge beetles present when monitoring one year after release. **B)** Percent of sites with of 'halo' damage from *A. lacertosa* at release sites one year after release. Percentages were calculated based on the sum of release sites monitored in Cardston County, Lethbridge County, M.D. of Taber, M.D of Pincher Creek, and Special Areas 1 and 2 in that year.

As a final note, we encourage counties to revisit leafy spurge release sites that are 5-10 years old as we've seen high *Aphthona* beetle populations at some sites of this age. Many may have large numbers of *Aphthona* beetles that can be collected and relocated to new sites. For instance, Cardston County has historically had limited success with leafy spurge beetles and only in the last few years have the beetles been having a visibly positive impact on leafy spurge in the area. They now have a collection site that is a result of releases done in 2010.

## Houndstongue Biocontrol Site Monitoring

Houndstongue, *Cynoglossum officinale*, is a biennial borage species native to Eurasia. It is a weed of disturbed rangelands and is spread exclusively by its burred seed that affix to cattle and wildlife and are carried to new locations. *Mogulones crucifer* is a root weevil which has been released in Canada for the biological control of houndstongue. The larval stages feed and develop in the plant's roots which stunt plant growth and prevent the plant from producing seed. At high enough population densities, *M. crucifer* larvae kill houndstongue plants. These weevils are very

effective at controlling houndstongue infestations in Alberta. It is common to find patches of houndstongue controlled in as little as three years by *M. crucifer*.

It has become harder to find large infestations of houndstongue plants in southern Alberta in recent years. Many sites now have either have small localized infestations of houndstongue or have houndstongue distributed sparsely over a large area. Often the amount of houndstongue at sites like these, will only support a population of weevils for a short period. Once they exhaust the supply of houndstongue at a site, *M. crucifer* will leave to colonize new patches and have been observed to travel well over a kilometer in one year.

When monitoring houndstongue sites, we look for the presence of adult weevils and the distinct oval shaped holes created by the adults feeding on the petioles of the plant (Figure 6). Roots can also be examined for the presence of *M. crucifer* larvae, or evidence of the root being hollowed out by the larvae (Figure 7). The presence of *M. crucifer* at a site can be determined well after adult emergence in the spring by surveying for foliar and root damage.



Figure 6. Distinctive feeding damage on the petioles of a houndstongue plant by *Mogulones crucifer*.

There were six releases of *M. crucifer* in Alberta in 2018. We monitored four of these sites in 2019 and the remaining two sites were monitored by the City of Calgary. Evidence of *M. crucifer* was found at all four sites we monitored based on the presence of the distinct petiole damage from adults. Moderate to heavy feeding damage was visible at both sites in the M.D. of Willow Creek as well as the site in Glenbow Ranch Provincial Park. Dramatic reductions in houndstongue population sizes were seen at both the Glenbow Ranch site and one of the Willow Creek sites.



Figure 7. Larvae of *Mogulones crucifer* feeding in the root of a houndstongue plant.

The most exciting development from our monitoring efforts in 2019 were at our release site in Cypress Hills Provincial park. Nearly all our past *M. crucifer* releases have been in the west and southwest areas of Alberta. In 2018, we released *M. crucifer* near the Alberta-Saskatchewan border in the park, making it the furthest east we've ever done a release of this agent. When we monitored this site in 2019 the patch of houndstongue

was severely reduced with evidence the weevils were still in the area. This is promising as it means *M. crucifer* established in the east can go on to help control other houndstongue infestations in this area. This also represents a large expansion in distribution for the biocontrol agent.

### Dalmatian Toadflax Biocontrol Site Monitoring

Dalmatian toadflax, *Linaria dalmatica*, is a perennial invasive weed originating from Eurasia. It commonly infests rangeland and disturbed areas, and spreads by both seed and a creeping root system. *Mecinus janthiniformis* is a stem-boring weevil that was approved as a biological control agent for Dalmatian toadflax in Canada in the 1990s. The larvae feed and develop within the stem which interrupts water and nutrient transfer within the plant. Additional defoliation by adults can stunt plant growth, prevent the plant from flowering and cause plant death at high enough population densities. These agents have been shown to be extremely effective at controlling the spread of Dalmatian toadflax, especially in British Columbia. In Alberta, *M. janthiniformis* have been slower to work but recently have shown increased survivorship and improvement in overwintering. This has resulted in an increase in impact on Dalmatian toadflax infestations.



Figure 8. Distinctive feeding damage by *Mecinus janthiniformis* to the shoot tip of a Dalmatian toadflax plant.

When monitoring Dalmatian toadflax biocontrol release sites, we are looking for the presence or absence of adult *M. janthiniformis* weevils. In southern Alberta, peak *M. janthiniformis* emergence happens from mid-May to mid- June. If adults

are not found at the site, establishment can be determined from the distinct damage to the plant associated with adult feeding and larval development (Figure 8). Stems can also be split open and assessed for the presence of larvae, pupae and adults depending on the time of year.

There were 15 releases of *M. janthiniformis* done in Alberta in 2018 for the M.D. of Pincher Creek, the City of Lethbridge, and Writing-on-Stone Provincial Park. All sites were monitored between late May and early June of 2019 which coincided with peak emergence times of *M. janthiniformis*. Adults and their associated feeding damage were present at all sites in 2019. The 100% establishment rate for *M. janthiniformis* has become typical for this biocontrol agent as we have seen this pattern now multiple years in a row.



## Spotted and Diffuse Knapweed Biocontrol Site Monitoring

Spotted knapweed, *Centaurea stoebe*, and diffuse knapweed, *Centaurea diffusa* are the two most common invasive knapweed species in North America. They can be biennial or short-lived perennial plants that infest dry, disturbed areas and rangeland and spread via seeds. In Alberta, spotted and diffuse knapweed infestations often occur along rivers and riparian areas. There have been several insect biological control agents released against spotted and diffuse knapweed in North America beginning in the 1970s. Currently, only the seed head weevil, *Larinus minutus* and the root weevil, *Cyphocleonus achates*, are being redistributed in Alberta.



Figure 9. Diffuse knapweed plant with multiple “shot-holes” in the seedheads caused by *Larinus minutus*.

*L. minutus* larvae feed and destroy all seeds within a seedhead. Adult *L. minutus* are also effective defoliators and at high population densities can kill knapweed plants at the rosette stage (i.e. in its first year of growth). The larvae of *C. achates* feed and develop in the root of the knapweed plant. Large larvae cause the plant to form a gall in the

root which acts as a metabolic sink, and valuable plant resources are used in the upkeep of the gall. Multiple larvae feeding in the roots can stunt plant growth, limit seed production and even kill the plant at high enough densities. It is often beneficial to release both agents at a knapweed site, since the two agents target different parts of the plant. Combined together, *L. minutus* works to limit overall seed production and *C. achates* weakens the roots of the plant.

When monitoring release sites for spotted and diffuse knapweed biocontrol agents, we are looking for the presence of adult weevils or the damage associated with the adult or larval stages of the insect to the knapweed plant. When possible, we time our site surveys to when outside temperatures are 25°C or higher. This is when adults of both *L. minutus* and *C. achates* will be most active and *C. achates* can be found on the tops of the plants looking for mates. If adults are not observed, then establishment of *L. minutus* can be determined by the distinctive “shot-holes” in the seed head created when



Figure 10. Larva of *Cyphocleonus achates* feeding in the root of a spotted knapweed plant.

adults emerge from their pupal chambers which are made from chewed seeds (Figure 9). Roots can be split open and checked for the presence of *C. achates* larvae or the evidence of hollowed out tunnels and frass (insect excrement) which is an indication that larvae were present and have already emerged (Figure 10).

There were 10 releases of spotted and diffuse knapweed biocontrol agents in 2018: four for the county of Forty Mile and six for Twin River PGR. Both collaborators opted to release a mix of both agents to target both the roots and shoots of the plant. We monitored all 10 releases in 2019. We found evidence that four of the five *L. minutus* releases established and two of the five *C. achates* sites established successfully. Adult *C. achates* were found at both sites with confirmed establishment, and adult *L. minutus* and shot-holes in old seed heads were found at all four sites with confirmed establishment. Two of the five sites we were sprayed which explains the lower than average establishment rates captured by our monitoring this year.



Figure 11 The pupal chamber created by *Larinus minutus* in a spotted knapweed seedhead.

## New Biocontrol Releases 2019

A total of 116 new biocontrol releases were done in Alberta in 2019 for 19 different counties, municipalities and organizations (APPENDIX VI). The majority of biocontrol releases happened in southern Alberta, but we also continued work in central Alberta, releasing *Aphthona* beetles in Flagstaff County.

Leafy spurge beetles continue to be our most popular biocontrol agent and accounted for 71% of the releases in Alberta in 2019. Demand for Dalmatian toadflax agents and spotted and diffuse knapweed agents remain high, and each accounted for 11% of the releases done. Interest in houndstongue agent releases continues to drop and made up just 4% of releases in 2019. We also did three new releases of *Aulacidea acroptilonica* gall wasps for Russian knapweed in order to set up a stronger network of nurse sites to collect from in the future.

## Leafy Spurge Releases

Demand for leafy spurge beetles continues to be high in Alberta with a slight dip to 82 releases from our record number of 87 releases in 2018. We used three separate sites to collect and redistribute approximately 164,000 beetles across the province. Collection sites varied widely in how many beetles we were able to collect. Our most productive site from 2018 was near Grassy

Lake in the M.D. of Taber and continued to be a good collection site in 2019. We collected approximately 74,000 beetles from this location. The leafy spurge population had been severely reduced from the 2018 when beetles were at even higher outbreak levels than in 2019.

Aside from this site, we also had a good site at a municipal park within Lethbridge where we collected approximately 42,000 beetles. Our previous primary collection site in the M.D. of Pincher Creek that has historically been extremely productive for this program as well as with collection efforts from the M.D. of Pincher Creek, was not sampled in 2019. This was done to allow beetle populations to rebuild following a weak collection year in 2018 at this site. A second site within the M.D. of Pincher Creek was used instead to fill the remaining approximately 48,000 beetles required to complete our releases.

We have identified several leafy spurge beetle collection sites in southern Alberta that have produced high numbers of beetles in previous years. Between the Grassy Lake site and these other sites, we will have no problem collecting enough beetles to accommodate the ongoing demand for leafy spurge agent releases in the future.

## Houndstongue Releases



Figure 12. *Mogulones crucifer*, the root weevil for houndstongue.

There were 5 new releases of the houndstongue agent, *M. crucifer* (Figure 12), in 2019. Demand for this agent has continued to fall steadily since 2014 where we did our highest ever number of 26 releases. This decline in requests for *M. crucifer* is because of the spread and effectiveness of the agent. The weevil both readily redistributes itself and quickly reduces and usually eliminates houndstongue patches. We expect we will be doing even fewer releases of this agent in the future. Many counties and municipalities in Alberta with houndstongue already have sustained populations of *M.*

*crucifer* helping to control the weed. When visiting new locations, it is not uncommon to find *M. crucifer* already present at the site. These agents have been released in Alberta since 1998 and have since become widespread in the southwestern part of the province. In 2019, we did two releases on patches of houndstongue in Warner County where there was no evidence that the agent was present. While untouched patches of houndstongue obviously still exist in Alberta, we suggest landowners and managers to check for signs of *M. crucifer* feeding damage before ordering new releases of the agent (Figure 6).

Because *M. crucifer* is so effective at killing plants, collection sites do not last long, and we are consistently looking for new collection locations. We redistributed a total of 500 weevils in 2019 using one site in Cardston County and one in the M.D. of Willow Creek. We do not foresee problems in collecting enough beetles to meet demand in 2020 as our current sites should still be viable in the short term.



## Dalmatian Toadflax Releases

We did 13 releases of *M. janthiniformis* (Figure 13) on Dalmatian toadflax in Alberta in 2019. This is down slightly from the 15 releases we did in 2018. There were multiple releases for the City of Lethbridge and M.D. of Pincher Creek, as well as a release for The County of Warner and within Writing-on-Stone Provincial Park. A total of 2,600 weevils were collected from our nurse site near Del Bonita, Alberta to fulfill the release orders. We have redistributed over 13,200 weevils from this location since 2014. The site continues to be productive, and we don't expect any problems collecting enough agents for releases going forward.



Figure 13. *Mecinus janthiniformis*, the stem weevil for Dalmatian toadflax.

## Russian Knapweed Releases



Figure 14. *Aulacidea acroptilonica*, the gall wasp for Russian knapweed

Russian knapweed, *Rhaponticum repens* (formerly *Acroptilon repens*), is a perennial invasive weed native to Asia. This species resembles the other knapweeds but is in a separate genus. It is commonly found in disturbed areas and rangelands and spreads through seed and a creeping root system. *Aulacidea acroptilonica* (Figure 14) is a stem galling insect that was approved for release as a biological control agent in Canada in 2008. Larvae feeding in the stem of the plant induce the production of a gall which acts as a metabolic sink and disrupts nutrient and water transfer through the plant. The presence of multiple galls on a plant can stunt plant growth and prevent flowering.

There is good evidence that *A. acroptilonica* will move easily on their own. While performing other biocontrol releases in Lethbridge County and the M.D. of Taber, we found new Russian knapweed patches that had high numbers of stem galls caused by *A. acroptilonica*; these sites were 5km and 7km away from the nearest source population, respectively.

We did three new releases of *A. acroptilonica* in 2019 in an effort to develop new nurse sites for future collections. A single release was done in each of the M.D. of Taber, the City of Lethbridge, and the county of Warner. Releases are done in spring by collecting the galls containing overwintering adult insects and moving them to the new release location. We will revisit these sites in 2020 to assess the establishment of the *A. acroptilonica*. Our current collection site in Vulcan

County should still be viable to collect galls for the coming season to fulfill release orders for this year.

## Spotted/Diffuse Knapweed Releases



Figure 15. *Cyphocleonus achates*, the root weevil for spotted and diffuse

We have been using this site exclusively for knapweed agent collections since 2016. This site continues to produce high numbers of both agents. In 2018 we increased our release number of *L. minutus* from 200 to 400 weevils per release to increase the rate of population growth at release sites. We continued using 400 weevils in 2019 and plan on doing this in the future as this collection site remains very productive. There should be no problems collecting enough of both weevils to meet demand in 2020.

We did a total of 13 new releases of knapweed agents in 2019 for the counties of Forty Mile and Lethbridge and for Parks Canada at Waterton Lakes. Of these 13 releases, seven were for the seed head weevil *L. minutus* (Figure 16) and six were for the root weevil *C. achates* (Figure 15). In total, we collected and redistributed 2,800 *L. minutus* and 600 *C. achates* in Alberta in 2019.

All knapweed agents were collected from our main collection site near Lethbridge, Alberta. We

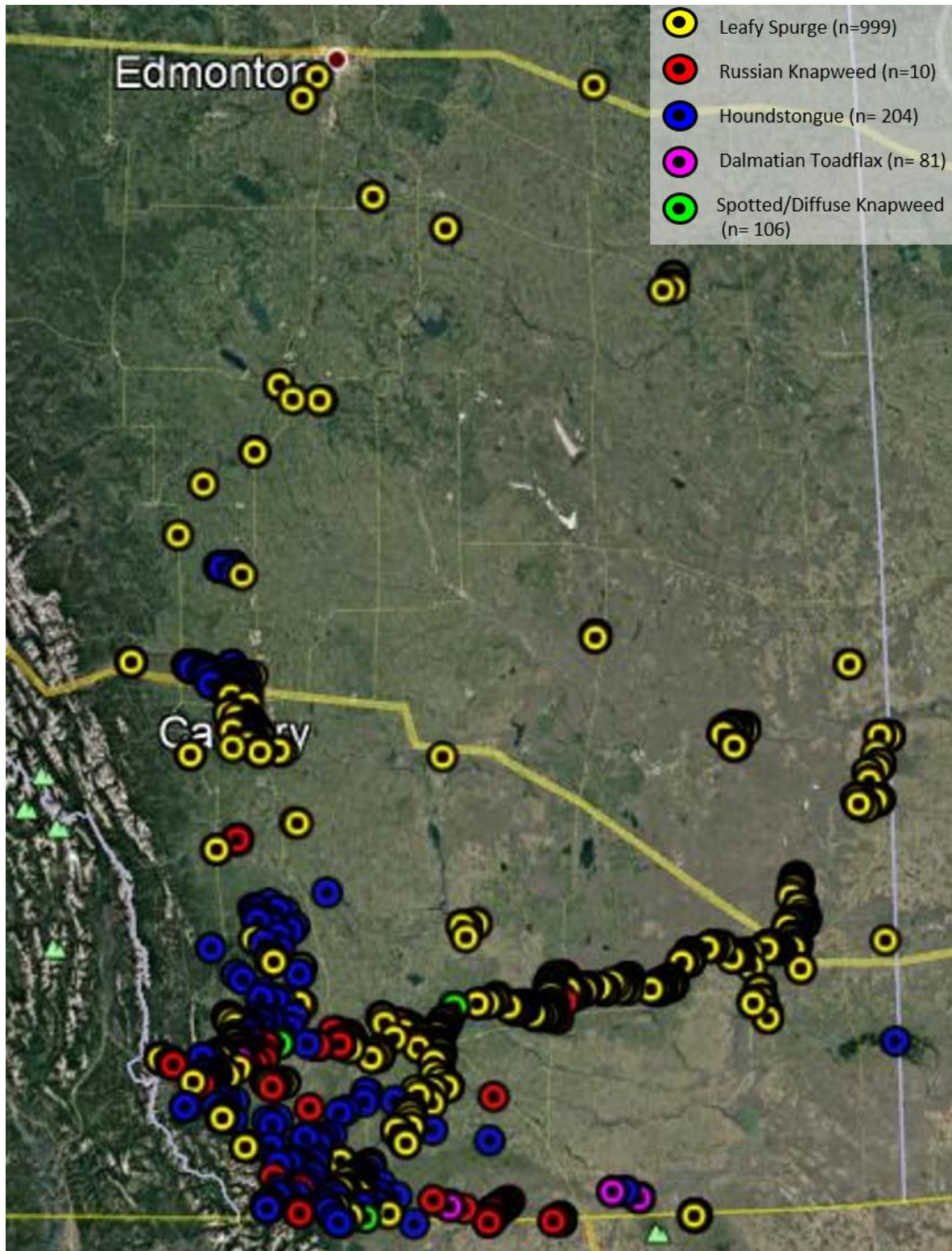


Figure 16. *Larinus minutus*, the seedhead weevil for spotted and diffuse knapweed.



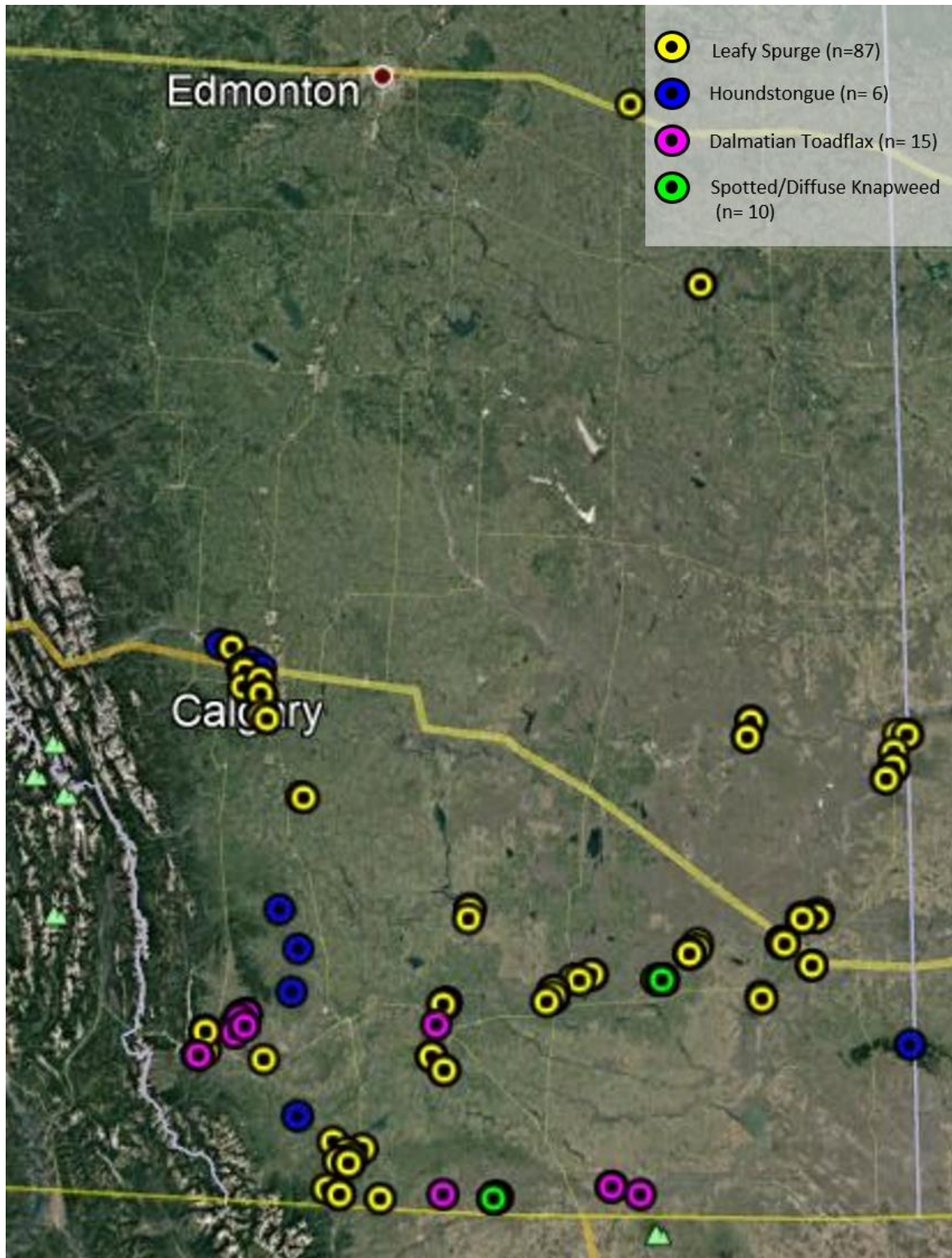
## APPENDIX I

Biocontrol Releases done by AISC/AAFC in Alberta from 2001 to 2019



## APPENDIX II

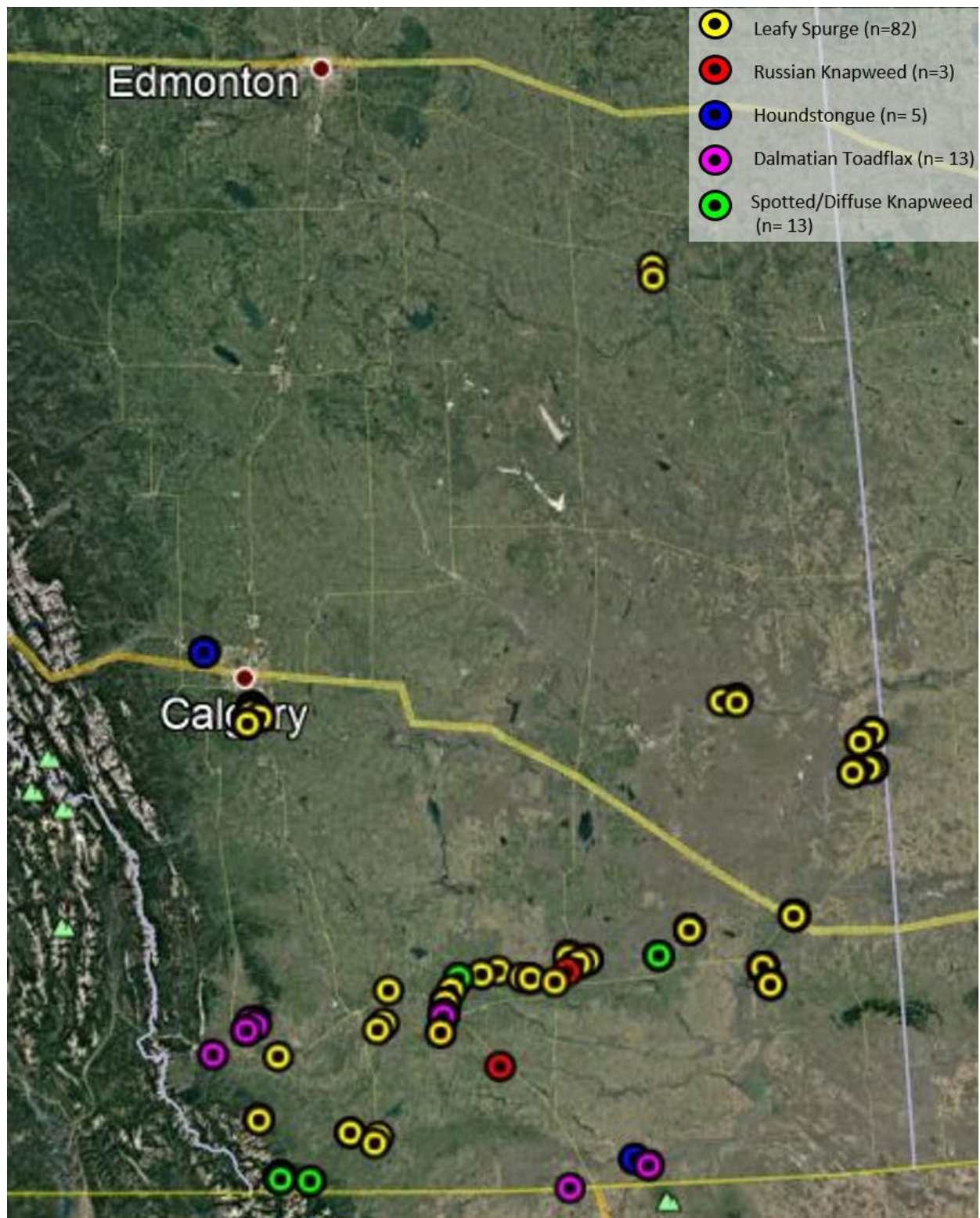
Biocontrol Releases done by AISC/AAFC in Alberta in 2018





## APPENDIX III

Biocontrol Releases done by AISC/AAFC in Alberta in 2019



## APPENDIX IV

Table 1. Summary of Monitoring Results from 2018 Leafy Spurge Biocontrol Releases in Alberta. N/A indicates missing or incomplete data.

Collaborator	Site ID	Legal Land Description						Biocontrol Agent	2018 Release Date	2019 Monitoring Date	Land Contact	Biocontrol Agent Present/Absent	Halo Present (Y/N)	AVG <i>Aphthona lacertosa</i> per sweep (0-10m)	Furthest Distance <i>A. lacertosa</i> found from release point (m)
		LSD	QTR	SEC	TWP	RGE	MER								
Bow Island PGR (AEP)	1159	12	NW	34	12	10	4	<i>Aphthona spp.</i>	29-Jun	26-Jun	Brian Olson	Present	N	0.48	15
	1160	1	SE	28	12	10	4	<i>Aphthona spp.</i>	29-Jun	26-Jun	Brian Olson	Present	Y	1.43	10
	1161	4	SW	20	12	10	4	<i>Aphthona spp.</i>	29-Jun	26-Jun	Brian Olson	Present	Y	1.10	15
	1162	13	NW	17	12	10	4	<i>Aphthona spp.</i>	29-Jun	26-Jun	Brian Olson	Present	Y	0.33	15
	1163	16	NE	18	12	10	4	<i>Aphthona spp.</i>	29-Jun	26-Jun	Brian Olson	Present	N	1.00	25
Cardston County	1171	16	NE	36	2	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.00	10
	1172	9	NE	36	2	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.38	10
	1173	13	NW	34	2	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.24	10
	1174	8	SE	22	1	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.05	3
	1175	9	NE	22	1	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.00	N/A
	1176	14	NW	30	1	26	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Rod Foggin	Present	N	0.52	20
	1186	15	NE	5	3	25	4	<i>Aphthona spp.</i>	13-Jul	11-Jul	Rod Foggin	Present	Y	0.90	15
City of Calgary	1145	10	NE	17	22	29	4	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1146	5	SW	24	22	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1147	3	SW	13	21	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1148	8	SE	23	23	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1149	7	SE	23	23	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1150	6	SW	11	24	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	5
	1151	1	SW	36	23	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	3
	1152	5	SW	19	24	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1153	14	NW	24	24	1	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	5
	1154	14	NW	24	24	2	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1155	12	NW	21	25	2	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
	1156	12	NW	21	25	2	5	<i>Aphthona spp.</i>	29-Jun	N/A	Alex Pepperdine	Present	N/A	N/A	10
City of Medicine Hat	1140	15	SW	5	13	6	4	<i>Aphthona spp.</i>	28-Jun	04-Jul	Kim Fauser	Present	N	0.14	10
	1141	8	SE	5	13	6	4	<i>Aphthona spp.</i>	28-Jun	04-Jul	Kim Fauser	Present	N	3.24	15
	1142	8	SE	5	13	6	4	<i>Aphthona spp.</i>	28-Jun	04-Jul	Kim Fauser	Present	N	2.57	20
	1143	1	SE	5	13	6	4	<i>Aphthona spp.</i>	28-Jun	04-Jul	Kim Fauser	Present	N	0.95	10
	1144	11	NW	33	12	6	4	<i>Aphthona spp.</i>	28-Jun	04-Jul	Kim Fauser	Present	Y	0.29	20

Collaborator	Site ID	Legal Land Description						Biocontrol Agent	2018 Release Date	2019 Monitoring Date	Land Contact	Biocontrol Agent Present/Absent	Halo Present (Y/N)	AVG <i>Aphthona lacertosa</i> per sweep (0-10m)	Furthest Distance <i>A. lacertosa</i> found from release point (m)
		LSD	QTR	SEC	TWP	RGE	MER								
Cypress County	1103	16	NE	20	10	7	4	<i>Aphthona spp.</i>	22-Jun	04-Jul	Kennedy Fandrick	Present	N	0.95	30
	1104	1	SE	20	10	7	4	<i>Aphthona spp.</i>	22-Jun	04-Jul	Kennedy Fandrick	Present	N	0.43	30
	1105	15	NE	34	11	5	4	<i>Aphthona spp.</i>	22-Jun	28-Jun	Kennedy Fandrick	Present	N	0.00	N/A
	1106	2	SE	3	12	5	4	<i>Aphthona spp.</i>	22-Jun	28-Jun	Kennedy Fandrick	Present	N	0.14	25
	1107	14	NW	2	14	5	4	<i>Aphthona spp.</i>	22-Jun	05-Jul	Kennedy Fandrick	Present	N	0.19	15
	1108	4	SW	11	14	5	4	<i>Aphthona spp.</i>	22-Jun	05-Jul	Kennedy Fandrick	Present	N	0.14	3
	1109	12	NW	1	14	5	4	<i>Aphthona spp.</i>	22-Jun	05-Jul	Kennedy Fandrick	Absent	N	0.00	N/A
	1110	15	NE	12	14	5	4	<i>Aphthona spp.</i>	22-Jun	05-Jul	Kennedy Fandrick	Present	N	0.10	15
	1111	5	SW	5	14	5	4	<i>Aphthona spp.</i>	22-Jun	04-Jul	Kennedy Fandrick	Present	N	0.33	10
	1112	16	NE	6	14	5	4	<i>Aphthona spp.</i>	22-Jun	04-Jul	Kennedy Fandrick	Present	N	0.38	15
	1135	2	SE	33	20	1	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Kennedy Fandrick	Present	N	0.33	5
	1136	1	SE	33	20	1	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Kennedy Fandrick	Present	N	0.24	5
	1137	2	SE	18	20	1	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Kennedy Fandrick	Present	N	0.57	10
	1138	15	NE	7	20	1	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Kennedy Fandrick	Present	N	0.24	20
	1139	2	SE	21	21	1	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Kennedy Fandrick	Present	N	0.29	10
Lafarge (Lethbridge)	1124	4	SW	5	10	21	4	<i>Aphthona spp.</i>	25-Jun	19-Jun	N/A	Present	N	0.43	14
	1125	4	SW	5	10	21	4	<i>Aphthona spp.</i>	25-Jun	19-Jun	N/A	Present	N	0.43	10
Lethbridge County	1123	13	NW	28	13	20	4	<i>Aphthona spp.</i>	25-Jun	26-Jul	Gary Secrist	Present	N	0.57	25
	1184	7	SE	5	10	21	4	<i>Aphthona spp.</i>	12-Jul	19-Jun	Gary Secrist	Present	N	0.14	17
	1185	9	NE	5	10	21	4	<i>Aphthona spp.</i>	12-Jul	19-Jun	Gary Secrist	Present	N	0.24	25
Ducks Unlimited	1164	11	NW	36	18	28	4	<i>Aphthona spp.</i>	05-Jul	18-Jul	Kade MacCormick	Present	N	0.00	18
	1165	15	NE	35	18	28	4	<i>Aphthona spp.</i>	05-Jul	18-Jul	Kade MacCormick	Present	N	0.38	15
M.D. of Pincher Creek	1177	14	NW	9	7	29	4	<i>Aphthona spp.</i>	10-Jul	12-Jul	Shane Poulsen	Present	N	1.05	10

Collaborator	Site ID	Legal Land Description						Biocontrol Agent	2018 Release Date	2019 Monitoring Date	Land Contact	Biocontrol Agent Present/Absent	Halo Present (Y/N)	AVG <i>Aphthona lacertosa</i> per sweep (0-10m)	Furthest Distance <i>A. lacertosa</i> found from release point (m)
		LSD	QTR	SEC	TWP	RGE	MER								
M.D. of Taber	1113	3	SW	24	11	15	4	<i>Aphthona spp.</i>	22-Jun	02-Jul	Jason Bullock	Present	N	0.00	25
	1114	4	SW	24	11	15	4	<i>Aphthona spp.</i>	22-Jun	02-Jul	Jason Bullock	Present	N	0.10	30
	1115	11	NW	7	11	15	4	<i>Aphthona spp.</i>	22-Jun	20-Jun	Jason Bullock	Present	N	0.33	27
	1116	5	SW	9	11	15	4	<i>Aphthona spp.</i>	22-Jun	20-Jun	Jason Bullock	Present	N	0.00	27
	1117	10	NE	30	10	16	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	N	0.24	25
	1118	10	NE	30	10	16	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	Y	0.00	25
	1119	10	NE	11	10	17	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	N	0.10	25
	1120	14	NW	18	10	16	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	N	0.14	20
	1121	14	NW	18	10	16	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	N	0.19	10
	1122	11	NW	18	10	16	4	<i>Aphthona spp.</i>	22-Jun	24-Jun	Jason Bullock	Present	N	1.14	50
Minburn County	1166	14	NW	31	51	12	4	<i>Aphthona spp.</i>	22-Jun	17-Jul	Roger Nakonechny	Present	N	0.00	15
NCC (South-Central Alberta)	1134	15	NE	16	1	24	4	<i>Aphthona spp.</i>	09-Jul	11-Jul	Leta Pezderic	Present	N	0.00	N/A
Special Areas 2	1126	6	SW	31	22	7	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Jesse Williams	Present	N	0.48	10
	1127	3	SW	31	22	7	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Jesse Williams	Present	N	0.24	10
	1128	3	SW	31	22	7	4	<i>Aphthona spp.</i>	27-Jun	05-Jul	Jesse Williams	Present	N	0.19	10
Special Areas 3	1131	12	NW	8	22	29	3	<i>Aphthona spp.</i>	28-Jun	04-Jul	Don Hogan	Present	N	0.57	15
	1132	14	NW	8	22	29	3	<i>Aphthona spp.</i>	28-Jun	04-Jul	Don Hogan	Present	N	0.10	10
	1133	14	NW	8	22	29	3	<i>Aphthona spp.</i>	28-Jun	04-Jul	Don Hogan	Present	N	0.14	25
Vulcan County	1157	11	NW	9	14	20	4	<i>Aphthona spp.</i>	10-Jul	02-Jul	Kelly Malmberg	Present	N	0.14	20
	1158	3	SW	9	14	20	4	<i>Aphthona spp.</i>	10-Jul	02-Jul	Kelly Malmberg	Present	N	0.15	10

# APPENDIX V

Table 2. Monitoring results from the 2018 biocontrol releases for houndstongue, dalmatian toadflax, and spotted/diffuse knapweed in Alberta

Collaborator	Site ID	Legal Land Description						Target Weed	Biocontrol Agent	2018 Release Date	2019 Monitoring Date	Land Contact	Agent Present/Absent	Adults Visible on Plants (Y/N)	Distance to First Plant from Release Point (m)	Damage Level Low/Med/High
		LSD	QTR	SEC	TWP	RGE	MER									
City of Lethbridge	1090	10	NE	1	9	22	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	30-May	31-May	Nelson Houle	Present	Y	0.02	low
County of Forty Mile	1187	16	NE	12	11	12	4	Diffuse Knapweed	<i>Larinus minutus</i>	01-Aug	14-Aug	Darrell Van Arragon	Present	Y	12	low
	1188	16	NE	12	11	12	4	Diffuse Knapweed	<i>Cyphocleonus achates</i>	01-Aug	14-Aug	Darrell Van Arragon	Absent	N	12	N/A
	1189	13	NW	7	11	11	4	Diffuse Knapweed	<i>Larinus minutus</i>	01-Aug	14-Aug	Darrell Van Arragon	Present	Y	0.7	low
	1190	13	NW	7	11	11	4	Diffuse Knapweed	<i>Cyphocleonus achates</i>	01-Aug	14-Aug	Darrell Van Arragon	Present	Y	0.7	N/A
Cypress Hills Provincial Park (AEP)	1089	3	SW	24	8	1	4	Houndstongue	<i>Mogulones crucifer</i>	25-May	07-Jun	Cameron Lockerbie	Present	N	10	low
Glenbow Ranch Park Foundation	1084	8	SE	26	25	3	5	Houndstongue	<i>Mogulones crucifer</i>	18-May	29-May	Blake Weis	Present	N	5	med
M.D. of Pincher Creek	1082	11	NW	17	8	2	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	14-Jun	06-Jun	Shane Poulsen	Present	Y	0.08	high
	1083	7	SE	17	8	2	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	14-Jun	06-Jun	Shane Poulsen	Present	Y	0.2	med
	1091	14	NW	35	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	05-Jun	05-Jun	Shane Poulsen	Present	Y	0.25	med
	1095	8	SE	25	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	05-Jun	Shane Poulsen	Present	Y	0.1	med
	1096	5	SW	10	9	30	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	05-Jun	Shane Poulsen	Present	Y	0.05	low
	1097	10	NE	12	9	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	05-Jun	Shane Poulsen	Present	Y	0.1	high
	1098	15	NE	2	9	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	05-Jun	Shane Poulsen	Present	Y	0.1	med
	1099	3	SW	15	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	06-Jun	Shane Poulsen	Present	Y	0.08	med
	1100	16	NE	21	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	06-Jun	06-Jun	Shane Poulsen	Present	Y	0.05	med
	1101	13	NW	7	7	2	5	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	14-Jun	03-Jun	Shane Poulsen	Present	Y	0.1	med
M.D. of Willow Creek	1087	15	NE	9	10	28	4	Houndstongue	<i>Mogulones crucifer</i>	24-May	13-Jun	Gary Murray	Present	N	0.1	med
	1088	11	NW	36	13	29	4	Houndstongue	<i>Mogulones crucifer</i>	24-May	13-Jun	Gary Murray	Present	N	0.6	med
Twin River Provincial Grazing Reserve (AEP)	1191	2	SE	27	1	19	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	02-Aug	08-Aug	Brian Olson	Absent	N	0.2	Site Sprayed
	1192	2	SE	27	1	19	4	Spotted Knapweed	<i>Larinus minutus</i>	02-Aug	08-Aug	Brian Olson	Absent	N	0.2	Site Sprayed
	1193	16	NE	21	1	19	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	02-Aug	08-Aug	Brian Olson	Present	Y	0.1	Site Sprayed
	1194	16	NE	21	1	19	4	Spotted Knapweed	<i>Larinus minutus</i>	02-Aug	08-Aug	Brian Olson	Present	Y	0.1	Site Sprayed
	1195	15	NE	21	1	19	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	02-Aug	08-Aug	Brian Olson	Absent	N	0.25	N/A
	1196	15	NE	21	1	19	4	Spotted Knapweed	<i>Larinus minutus</i>	02-Aug	08-Aug	Brian Olson	Present	Y	0.25	med
Writing-on-Stone Prov. Park (AEP)	1092	12	NW	36	1	13	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	05-Jun	04-Jun	Cameron Lockerbie	Present	Y	0.05	low
	1093	10	NE	10	2	14	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	05-Jun	04-Jun	Cameron Lockerbie	Present	Y	1.5	med
	1094	10	NE	10	2	14	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	05-Jun	04-Jun	Cameron Lockerbie	Present	Y	4	low



# APPENDIX VI

Table 3. Summary of new biocontrol releases in Alberta in 2019.

Collaborator	Site ID	Legal Land Description						Target Weed	Biocontrol Agent	2019 Release Date	Number Insects Released	Land Contact
		LSD	QTR	SEC	TWP	RGE	MER					
ACA	1214	5	SW	5	1	16	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	04-Jun	400	Julie Landry-DeBoer
Bow Island PGR (AEP)	1229	7	SE	21	12	10	4	Leafy Spurge	<i>Aphthona spp.</i>	26-Jun	4000	Brian Olson
	1230	7	SE	21	12	10	4	Leafy Spurge	<i>Aphthona spp.</i>	26-Jun	2000	Brian Olson
	1231	1	SE	21	12	10	4	Leafy Spurge	<i>Aphthona spp.</i>	26-Jun	2000	Brian Olson
	1232	1	SE	21	12	10	4	Leafy Spurge	<i>Aphthona spp.</i>	26-Jun	2000	Brian Olson
Blood Tribe Land Management Dept.	1268	4	SW	15	3	25	4	Leafy Spurge	<i>Aphthona spp.</i>	10-Jul	4000	Kansie Fox
	1269	13	NW	23	3	25	4	Leafy Spurge	<i>Aphthona spp.</i>	10-Jul	4000	Kansie Fox
	1270	3	SW	33	3	26	4	Leafy Spurge	<i>Aphthona spp.</i>	10-Jul	4000	Kansie Fox
	1271	3	SW	33	3	26	4	Leafy Spurge	<i>Aphthona spp.</i>	10-Jul	4000	Kansie Fox
City of Calgary	1282	12	NW	14	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1283	12	NW	14	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1284	12	NW	14	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1285	2	SE	1	23	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1286	3	SW	1	23	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1287	2	SE	12	23	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1288	6	SW	12	23	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1289	6	SW	12	23	1	5	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1290	1	SE	4	23	29	4	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
	1291	7	SE	28	22	29	4	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Alex Pepperdine
City of Lethbridge	1198	10	SE	11	8	22	4	Russian Knapweed	<i>Aulacidea acroptilonica</i>	10-May	500	Nelson Houle
	1205	14	NW	36	8	22	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	31-May	200	Nelson Houle
	1206	10	NE	1	9	22	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	31-May	200	Nelson Houle
	1207	10	NE	1	9	22	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	31-May	200	Nelson Houle
	1208	2	SE	1	9	22	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	31-May	200	Nelson Houle
City of Medicine Hat	1233	8	SE	32	12	5	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Keziah Lesko-Gosselin
	1234	5	SW	33	12	5	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Keziah Lesko-Gosselin
	1235	12	NW	33	12	5	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Keziah Lesko-Gosselin
	1236	12	NW	33	12	5	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Keziah Lesko-Gosselin
	1237	16	NW	32	12	5	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Keziah Lesko-Gosselin



Collaborator	Site ID	Legal Land Description						Target Weed	Biocontrol Agent	2019 Release Date	Number Insects Released	Land Contact
		LSD	QTR	SEC	TWP	RGE	MER					
Cypress County	1238	9	NW	17	19	1	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1239	4	SW	14	19	2	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1240	1	SE	15	19	2	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1241	14	NW	10	19	2	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1242	14	NE	10	19	2	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1243	4	NW	26	10	7	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1244	4	NW	26	10	7	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1245	13	NW	23	10	7	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1246	15	NE	23	10	7	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1247	4	SE	26	10	7	4	Leafy Spurge	<i>Aphthona spp.</i>	28-Jun	2000	Kennedy Fandrick
	1257	4	SW	22	19	1	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Kennedy Fandrick
	1258	13	NW	15	19	1	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Kennedy Fandrick
	1259	12	NW	15	19	1	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Kennedy Fandrick
	1260	4	SW	30	20	1	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Kennedy Fandrick
	1261	4	SW	30	20	1	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Kennedy Fandrick
Fish Creek Prov. Park (AEP)	1275	6	SW	36	22	1	4	Leafy Spurge	<i>Aphthona spp.</i>	17-Jul	2000	Blake Weis
	1276	5	SW	36	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	17-Jul	2000	Blake Weis
	1277	5	SW	36	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	17-Jul	2000	Blake Weis
	1278	5	SW	36	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	17-Jul	2000	Blake Weis
	1279	8	SE	35	22	1	5	Leafy Spurge	<i>Aphthona spp.</i>	17-Jul	2000	Blake Weis
Flagstaff County	1280	12	NW	8	43	9	4	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Corey Stuber
	1281	8	SE	27	42	10	4	Leafy Spurge	<i>Aphthona spp.</i>	18-Jul	2000	Corey Stuber
Forty Mile County	1262	16	NE	25	9	7	4	Leafy Spurge	<i>Aphthona spp.</i>	09-Jul	2000	Darrell Van Arragon
	1263	16	NE	25	9	7	4	Leafy Spurge	<i>Aphthona spp.</i>	09-Jul	2000	Darrell Van Arragon
	1264	8	SE	36	9	7	4	Leafy Spurge	<i>Aphthona spp.</i>	09-Jul	2000	Darrell Van Arragon
	1307	8	SE	13	11	12	4	Diffuse Knapweed	<i>Cyphocleonus achates</i>	07-Aug	100	Darrell Van Arragon
	1308	8	SE	13	11	12	4	Diffuse Knapweed	<i>Larinus minutus</i>	07-Aug	400	Darrell Van Arragon
Glenbow Ranch Prov. Park	1202	3	SW	26	25	3	5	Houndstongue	<i>Mogulones crucifer</i>	29-May	100	Blake Weis
	1203	7	NW	26	25	3	5	Houndstongue	<i>Mogulones crucifer</i>	29-May	100	Blake Weis
	1204	7	NE	26	25	3	5	Houndstongue	<i>Mogulones crucifer</i>	29-May	100	Blake Weis
Lethbridge County	1292	13	NW	34	10	19	4	Leafy Spurge	<i>Aphthona spp.</i>	19-Jul	2000	Gary Secrist
	1294	1	NE	8	10	21	4	Leafy Spurge	<i>Aphthona spp.</i>	19-Jul	2000	Gary Secrist
	1295	7	SE	9	10	24	4	Leafy Spurge	<i>Aphthona spp.</i>	19-Jul	2000	Gary Secrist
	1296	8	SE	27	10	21	4	Diffuse Knapweed	<i>Cyphocleonus achates</i>	30-Jul	100	Gary Secrist
	1297	8	SE	27	10	21	4	Diffuse Knapweed	<i>Larinus minutus</i>	30-Jul	400	Gary Secrist

Collaborator	Site ID	Legal Land Description						Target Weed	Biocontrol Agent	2019 Release Date	Number Insects Released	Land Contact
		LSD	QTR	SEC	TWP	RGE	MER					
Lethbridge County (Private)	1267	10	NE	11	8	22	4	Leafy Spurge	<i>Aphthona spp.</i>	10-Jul	4000	N/A
NCC (South-Central Alberta)	1293	3	SW	35	10	20	4	Leafy Spurge	<i>Aphthona spp.</i>	19-Jul	2000	Leta Pezderic
M.D. of Pincher Creek	1209	9	NE	13	7	3	5	Dalmatian Toadflax	<i>Mecinus janthiniiformis</i>	03-Jun	200	Shane Poulsen
	1210	9	NE	34	8	1	8	Dalmatian Toadflax	<i>Mecinus janthiniiformis</i>	05-Jun	200	Shane Poulsen
	1215	7	SW	25	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniiformis</i>	12-Jun	200	Shane Poulsen
	1216	10	SW	36	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniiformis</i>	12-Jun	200	Shane Poulsen
	1217	16	NE	16	8	1	5	Dalmatian Toadflax	<i>Mecinus janthiniiformis</i>	12-Jun	200	Shane Poulsen
	1272	9	NE	17	4	30	4	Leafy Spurge	<i>Aphthona spp.</i>	12-Jul	2000	Shane Poulsen
	1273	7	SE	20	4	30	4	Leafy Spurge	<i>Aphthona spp.</i>	12-Jul	2000	Shane Poulsen
	1274	14	NW	9	7	29	4	Leafy Spurge	<i>Aphthona spp.</i>	12-Jul	2000	Shane Poulsen
M.D. of Taber	1219	1	SE	8	11	15	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1220	3	SW	14	11	15	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1221	3	SW	14	11	15	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1222	6	SW	14	11	15	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1223	13	NW	13	11	16	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1224	11	NW	24	11	16	4	Leafy Spurge	<i>Aphthona spp.</i>	20-Jun	2000	Jason Bullock
	1225	9	NE	24	10	18	4	Leafy Spurge	<i>Aphthona spp.</i>	24-Jun	2000	Jason Bullock
	1226	9	NE	24	10	18	4	Leafy Spurge	<i>Aphthona spp.</i>	24-Jun	2000	Jason Bullock
	1227	15	SE	22	10	18	4	Leafy Spurge	<i>Aphthona spp.</i>	24-Jun	2000	Jason Bullock
M.D. of Taber (Private)	1228	6	SW	18	10	16	4	Leafy Spurge	<i>Aphthona spp.</i>	24-Jun	2000	Jason Bullock
M.D. of Willow Creek	1197	4	SE	35	10	16	4	Russian Knapweed	<i>Aulacidea acroptilonica</i>	07-May	1000	N/A
M.D. of Willow Creek	1265	14	NW	13	8	25	4	Leafy Spurge	<i>Aphthona spp.</i>	09-Jul	2000	Gary Murray
	1266	6	SW	29	8	24	4	Leafy Spurge	<i>Aphthona spp.</i>	09-Jul	2000	Gary Murray
Waterton Lakes	1298	12	NW	30	1	29	4	Spotted Knapweed	<i>Larinus minutus</i>	01-Aug	400	Roderick Watt
National Park (Parks Canada)	1299	12	NW	30	1	29	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	01-Aug	100	Roderick Watt
	1300	1	SE	36	1	30	4	Spotted Knapweed	<i>Larinus minutus</i>	01-Aug	400	Roderick Watt
	1301	1	SE	36	1	30	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	01-Aug	100	Roderick Watt
	1302	1	SE	36	1	30	4	Spotted Knapweed	<i>Larinus minutus</i>	01-Aug	400	Roderick Watt
	1303	1	SE	36	1	30	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	01-Aug	100	Roderick Watt
	1304	14	NW	31	1	29	4	Spotted Knapweed	<i>Larinus minutus</i>	01-Aug	400	Roderick Watt
	1305	4	SW	28	1	28	4	Spotted Knapweed	<i>Larinus minutus</i>	01-Aug	400	Roderick Watt
	1306	4	SW	28	1	28	4	Spotted Knapweed	<i>Cyphocleonus achates</i>	01-Aug	100	Roderick Watt

Collaborator	Site ID	Legal Land Description						Target Weed	Biocontrol Agent	2019 Release Date	Number Insects Released	Land Contact
		LSD	QTR	SEC	TWP	RGE	MER					
Special Areas 2	1252	15	NE	33	22	7	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Jesse Williams
	1253	11	NW	33	22	7	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Jesse Williams
	1254	6	SW	33	22	7	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Jesse Williams
	1255	11	NW	28	22	7	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Jesse Williams
	1256	5	SW	35	22	8	4	Leafy Spurge	<i>Aphthona spp.</i>	05-Jul	2000	Jesse Williams
Special Areas 3	1248	8	SE	3	21	1	4	Leafy Spurge	<i>Aphthona spp.</i>	04-Jul	2000	Don Hogan
	1249	8	SE	3	21	1	4	Leafy Spurge	<i>Aphthona spp.</i>	04-Jul	2000	Don Hogan
	1250	7	SE	3	21	1	4	Leafy Spurge	<i>Aphthona spp.</i>	04-Jul	2000	Don Hogan
	1251	10	NE	3	21	1	4	Leafy Spurge	<i>Aphthona spp.</i>	04-Jul	2000	Don Hogan
Warner County	1199	1	SE	29	6	19	4	Russian Knapweed	<i>Aulacidea acroptilonica</i>	22-May	500	Cathy Preston
	1200	12	NW	8	2	13	4	Mogulones crucifer	<i>Mogulones crucifer</i>	22-May	100	Cathy Preston
	1201	12	NW	8	2	13	4	Mogulones crucifer	<i>Mogulones crucifer</i>	22-May	100	Cathy Preston
Writing-on- Stone Prov. Park (AEP)	1212	12	NW	36	1	13	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	04-Jun	200	Cameron Lockerbie
	1213	12	NW	36	1	13	4	Dalmatian Toadflax	<i>Mecinus janthiniformis</i>	04-Jun	200	Cameron Lockerbie

## Program Collaborators

- Advisian
- Alberta Conservation Association
- Alberta Invasive Species Council
- Alberta Agriculture and Forestry
- Alberta Environment and Parks
- Blood Tribe Land Management Department
- Cardston County
- City of Calgary
- City of Edmonton
- City of Lethbridge
- City of Medicine Hat
- County of Camrose
- County of Forty Mile
- County of Minburn
- County of Flagstaff
- County of Lethbridge
- County of Mountain View
- County of Parkland
- County of Red Deer
- County of Rocky View
- County of Vulcan
- County of Warner
- Crowsnest Pass
- Cypress County
- Ducks Unlimited
- Enbridge
- Friends of Fish Creek Provincial Park Society
- Glenbow Ranch Park Foundation
- Lafarge
- M.D of Acadia
- M.D. of Foothills
- M.D. of Pincher Creek
- M.D. of Ranchland
- M.D. of Taber
- M.D. of Willow Creek
- Nature Conservancy of Canada
- Waterton Lakes National Park
- Special Areas 2
- Special Areas 3
- Waldron Grazing Co-op

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We would like to thank Nick Hassink and Tanner Petersen for their hard work on the biocontrol release program in 2019. A special thanks to Becky Molina who returned to work for us for a third (and final) summer. Her experience was invaluable making sure the new program coordinator survived his first field season on the job.

Finally, a big thank you to our program collaborators. Your continued support has allowed this unique program to sustain itself and we could not exist without you. We look forward to another great year working with all of you!

**2020**

# **Alberta Agriculture Hall of Fame Nomination Form**

**Entry Deadline: May 15, 2020**

The Alberta Agriculture Hall of Fame was created to recognize outstanding individuals who have made significant contributions to the agriculture and food industry, and to the development and sustainability of rural life in Alberta. Agriculture and Forestry inducts up to three individuals at each awards ceremony. For further information on the program please contact [susan.lacombe@gov.ab.ca](mailto:susan.lacombe@gov.ab.ca) or 780-968-6557 (dial 310-0000 for a toll-free connection).

**Who is eligible?**

Individuals who have demonstrated leadership in farm, rural or commodity organizations, or in the food industry, are eligible candidates for the Alberta Agriculture Hall of Fame. Leadership must have been demonstrated over many years at the provincial level, and the candidate must have made a significant province wide impact on the industry as a whole. Candidates may be nominated posthumously. For a listing of past inductees visit: <https://www.alberta.ca/alberta-agriculture-hall-of-fame.aspx#toc-1>

**Who can nominate an individual to the Alberta Agriculture Hall of Fame?**

The candidate must be nominated by three individuals other than members of the candidate's immediate family. The nomination form must be signed by all three nominators. Nominators may submit the nomination on behalf of an organization or independently as an individual.

Note that the information provided in the nomination form must stand on its own, and is the primary document used for evaluating candidates. In addition to the completed nomination form, three letters of recommendation should be provided (letters should not exceed two pages each). Additional information is not required or encouraged.

**Who sits on the Selection Panel?**

The Selection Panel is appointed by the Deputy Minister of Agriculture and Forestry, and is comprised of a cross section of non-government individuals representing Alberta's agriculture industry.

**Send nominations to:**

Electronic submissions are preferred and can be emailed to:

[susan.lacombe@gov.ab.ca](mailto:susan.lacombe@gov.ab.ca)

Paper submissions are acceptable and can be mailed to:

Alberta Agriculture Hall of Fame  
Provincial Building  
#106, 4709 - 44 Avenue  
Stony Plain, AB T7Z 1N4

Please do not put the nomination in a binder if mailing your submission.

**Forms can be obtained from:**

<https://www.alberta.ca/alberta-agriculture-hall-of-fame.aspx#toc-0>

**Deadline:**

May 15, 2020

## Part A: The Candidate

Candidate's full name:
Home Address: (including town or city, and postal code)
Phone Number and Email Address:

## Nominated by:

We, who have signed below, nominate this candidate to be considered for admission to the Alberta Agriculture Hall of Fame. We certify that the information provided is true to the best of our knowledge.

### Nominator 1

Name
Phone number
Email
Signature
If nomination is made on behalf of an organization, provide your title and organization name.

### Nominator 3

Name
Phone number
Email
Signature
If nomination is made on behalf of an organization, provide your title and organization name.

### Nominator 2

Name
Phone number
Email
Signature
If nomination is made on behalf of an organization, provide your title and organization name.

If we need further information about the candidate, we should contact:

Name	Phone Number
Email	

The personal information collected will only be used to administer the Alberta Agriculture Hall of Fame Award program. It is collected under the authority of and is subject to the *Freedom of Information and Protection of Privacy Act*. If you have any questions, please contact the program coordinator at 780-968-6557, [susan.lacombe@gov.ab.ca](mailto:susan.lacombe@gov.ab.ca) or #106, 4709 - 44 Avenue, Stony Plain, AB, T7Z 1N4.

**Part B:**  
**Personal Information**

Candidate's full name:
Place of birth:
If deceased, please provide year:
Spouse's name:
Names of immediate family members:
Education:

**Biographical Sketch:** Please provide a brief biographical sketch of the candidate providing an overview of their life and career directly below (introduce your candidate to the Selection Panel; limit to half a page):



**Part C: Leadership in Community and Business Organizations** (one – two pages)

<b>C1. Local or Regional Organizations</b>			
<b>Organization</b>	<b>Year(s)</b>	<b>Position(s)</b>	<b>Candidate's unique contribution</b>

<b>C2. Provincial Organizations</b>			
<b>Organization</b>	<b>Year(s)</b>	<b>Position(s)</b>	<b>Candidate's unique contribution</b>

<b>C3. National or International Organizations</b>			
<b>Organization</b>	<b>Year(s)</b>	<b>Position(s)</b>	<b>Candidate's unique contribution</b>

**Part D:**

**Achievements** (limit to two pages)

**D1. How did the candidate's initiative and leadership lead to significant developments within an organization or in agricultural practices?**

**D2. What lasting, industry wide impacts or outcomes did these achievements have in Alberta?**

**D3. Why is the candidate's contribution unique? What was their specific part?**

**D4. What other awards or recognition has the candidate received?**

**D5. How has the candidate volunteered time and talent to his or her broader community?**

**Part E: Please include three letters of recommendation** (may be written by the nominators or different people; two page maximum per letter).

# 2016 Census of Agriculture for Alberta



I.D., M.D., and County Data by Land-use Region

Published by:

Alberta Agriculture and Forestry  
Economics and Competitiveness Branch  
Statistics and Data Development Section  
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## Appendix

2016 Census of Agriculture Questionnaire

# Introduction

This publication presents farm and farm operator data taken from the 2016 Census of Agriculture, conducted on May 10, 2016. The data is specific to Alberta at the County, Municipality, and Improvement District levels, which are equivalent to Census Consolidated Subdivisions.

On May 10, 2017, Statistics Canada released farm and farm operator data relating to the 2016 Census of Agriculture for Canada on its website [statcan.gc.ca](http://statcan.gc.ca). At the time of the release, data for all variables were presented at five levels of geography: national, provincial, Census Agricultural Region (CAR), Census Division (CD) and the Census Consolidated Subdivision (CCS). The latter three presented data at the sub-provincial level.

The CCS is a grouping of adjacent census subdivisions within the same census division. A census subdivision with a land area greater than 25 square kilometers can form a census consolidated subdivision of its own, while smaller census subdivisions are usually grouped with a larger census subdivision. The Statistics Canada release of CCS data for the 2016 Census of Agriculture will provide those working with lower levels of geography, such as County, Municipal District, etc., an excellent source of detailed data for comparison across Canadian provinces.

The 2016 Census of Agriculture data contained in this publication is for selected farm variables. The data is presented in a tabular format, by County, Municipality and Improvement District, which are subsequently summed to the seven Land-use regions (Lower Peace, Lower Athabasca, Upper Peace, Upper Athabasca, North Saskatchewan, Red Deer, and South Saskatchewan). Land-use regions were created by the Government of Alberta for the Land-use Framework. The seven regions are based on the major watersheds, with boundaries aligned to best fit with existing municipal boundaries and the natural regions.

Data confidentiality (as designated by an “X”) at the municipal level, has resulted in some data at the regional levels being suppressed to maintain confidentiality.

Users are encouraged to refer to the section containing Census definitions and notes to interpret data. Also, for spatial data interpretation, please refer to the Alberta map with its regional boundaries, and municipalities classified by region.

In an ongoing attempt to improve this publication, comments or questions should be directed to:

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# Census Definitions and Notes

## General Notes

### Conversion Factors

1 acre = 0.404 685 6 hectares  
1 hectare = 2.471 05 acres  
1 square foot = 0.092 903 04 square metres  
1 square metre = 10.763 91 square feet  
1 kilogram = 2.204 622 6 pounds  
1 pound = 0.453 592 4 kilograms

### Rounding

Totals may not equal the sum of their parts due to the use of conversion factors or the rounding of fractions to whole numbers.

### Confidentiality Procedures

All tabulated data have been subjected to either a "data suppression" or "random rounding" confidentiality procedure to prevent the possibility of associating statistical data with any identifiable agricultural operation or individual.

The "data suppression" procedure identified and deleted all cell values in the farm data tables that could result in the disclosure of information relating to a specific agricultural operation. In all cases, however, suppressed data were included in aggregate subtotals and totals in each of these tables.

The "random rounding" procedure was applied to all data appearing in the farm operator tables. Employing this technique, all figures in each of these tables, including totals, were randomly rounded either up or down to a multiple of 5. While providing protection against disclosure, this procedure does not add significant error to the data. It does, however, result in certain data inconsistencies which are outlined in the data inconsistencies paragraphs presented below.

Finally, data for those geographic areas with very few agricultural operations were not released separately, but were merged with data from one or more geographic areas.

### Headquarters Rule

Many agricultural operations in Canada are composed of numerous parcels of land in a number of locations. These different locations are often situated in several geographic areas (such as townships or counties). In these situations, the "headquarters rule" assigns all data collected for the agricultural operation to the geographic area where the farm headquarters is located.

### Incomplete Enumeration of Indian Reserves and Indian Settlements

On some Indian reserves and Indian settlements in the 2016 Census, enumeration was not permitted or was interrupted before it could be completed. Moreover, for some Indian reserves and Indian settlements, the quality of the enumeration was considered inadequate. These geographic areas are called incompletely enumerated Indian reserves and Indian settlements.

Data for census farms located on these incompletely enumerated reserves and settlements are therefore not available. The impact of the missing data is very small for higher-level geographic areas (Canada, provinces, and census agricultural regions). However, the impact is more significant for those smaller areas (census divisions and census consolidated subdivisions) in which the affected reserves and settlements are located.

For a listing of the names and locations of the incompletely enumerated Indian reserves and Indian settlements, please refer to the Statistics Canada website at <http://www.statcan.ca>.

### Data are not available for:

(due to minimal or no agricultural activity)

- Improvement District No. 12 Jasper Park
- Improvement District No. 24 Wood Buffalo

## Boundary Changes

There are significant refinements in the geographic assignment of agricultural operations and changes in census consolidated subdivision boundaries between censuses. These assignment and boundary changes mean that caution should be taken when comparing the data between censuses.

## What's New for 2016?

The 2016 Census of Agriculture questionnaire was modified slightly from 2011. Some highlights are:

### Technology

In 2016, a new step (section) was added to request the different technologies that were used on the farm.

### Direct Marketing

In 2016, a new section of the questionnaire was added to collect information on direct marketing practices that the farm may have used.

### Succession Planning

For 2016, a new section of the questionnaire was added on whether the farm has a formal written succession plan, and if so, who the successor would be in that plan.

### On-farm Practices and Land Features

The 2016 questionnaire eliminated several response categories to reduce the burden on respondents and to simplify the questions on manure, irrigation, and land practices.

### Land Inputs

In 2016, "Trace minerals and nutrients (copper, manganese, etc.)" was added as a new response category.

## Organic

This category was simplified to reduce the burden on respondents, allowing for emerging issues (e.g., succession planning) to be added to the questionnaire.

## Renewable Energy Producing Systems

For 2016, a new step was added to collect information on which renewable energy producing systems, if there were any, are being used on the farm.

## Farm Operating Expenses

In 2016, total farm operating expenses were the only requested expenses, while all other detailed expenses were removed from the questionnaire.

## Definitions

### Corn for Silage

Corn in which the entire plant, including the cob, is chopped up and stored in upright silos, bunker silos or plastic bags, and used for animal feed.

### Corporation

An incorporated business registered with a provincial or federal agency as a legal entity separate from the owner.

**Family corporation:** an incorporated business operation where an individual or members of a family own the majority of the corporation shares.

**Non-family corporation:** an incorporated business operation where a group of unrelated individuals owns the majority of the corporation shares.

### Crop Share

An agreement between the landowner and the person operating the land (the share cropper), in which the crop is shared rather than cash rent being

paid. Cropping expenses may or may not be shared. The person who does not own the land but operates it reports any areas being crop-shared.

## Farm (Census Farm)

Over time, the definition of a farm has changed. For the 1961, 1966 and 1971 Censuses, a census farm was defined as a farm, ranch or other agricultural holding of one acre or over with sales of agricultural products of \$50 or more during the 12-month period prior to the census. In 1976, a census farm was defined as a farm, ranch or other agricultural holding of one acre or over with sales of agricultural products of \$1,200 or more during the year 1975. However, the basic unit for which a questionnaire was collected was an agricultural holding of one acre or over with sales of agricultural products of \$50 or more. In 1981 and 1986, the minimum sales requirement for a census farm was \$250.

The 1991 definition of a census farm was an agricultural holding that produced at least one of the following products intended for sale (no minimum sales requirement): crops (field crops, tree fruits, berries or grapes, vegetables, and seed), livestock (cattle, pigs, sheep, horses and other livestock), poultry (hens, chickens, turkeys and other poultry), animal products (milk or cream, eggs, wool, and furs), greenhouse or nursery products, mushrooms, sod, honey, and maple syrup products. In 1996, the definition was expanded from 1991 to include tree fruits or nuts, game animals, chicks, game birds, meat, commercial poultry hatcheries, and operations that produced only Christmas trees. Since 2001, hay has also been included in the definition.

## Farm Capital

Farm capital includes the value of all farmland, buildings, farm machinery and equipment (including passenger vehicles used in the farm business) and livestock and poultry. Respondents report the value of their land, buildings, farm machinery and equipment as of Census Day. Values for livestock and poultry inventories reported in the census are calculated using data on average farm prices for the various types of livestock and poultry. Farm capital does not include the value of crops in the field or in storage, or farm inputs on hand, such as fertilizer and seed.

## Farm Operators

Since 1991 farm operators have been defined as those persons responsible for the day-to-day management and/or financial decisions made in the operation of a farm or an agricultural operation. Up to three farm operators could be reported per farm, including owners, tenants or hired managers, if they are responsible for management decisions for particular aspects of the farm, such as planting and harvesting, capital purchases, and marketing. Prior to the 1991 Census of Agriculture, the farm operator referred to only one person responsible for the day-to-day decisions made in running an agricultural operation.

Farm operator data relating to the 2016 Census of Agriculture are also being provided with farm data in this publication. Farm operator data comprises sex, age, residence status as well as farm and non-farm work measured by average number of hours per week.

## Farm Operating Expenses

Any cost associated with producing crops or livestock, except the purchase of land, buildings or equipment. Include the cost of seed, feed, fuel, fertilizers, etc.

Refer to gross operating expenses of the operation in the previous calendar year, or for the last complete accounting (fiscal) year, and excludes depreciation and capital cost allowance. In 2016, only "total farm business operating expenses" were gathered, rather than the detailed categories that existed in the 2011 questionnaire.

## Farm Type

For this publication, each census farm is classified according to the predominant type of production. This is done by estimating the potential receipts from the inventories of crops and livestock reported on the questionnaire and determining the product or group of products that make up the majority of the estimated receipts. The commodity or group of commodities that account for 51 per cent or more of the total potential receipts determines the farm type. For the 2016 Census of Agriculture, farm types were derived based on the 2012 North American Industrial Classification System (NAICS).

**Dairy cattle and milk production** comprises establishments primarily engaged in milking dairy cattle. Examples include raw fluid milk or cream production, raising dairy cattle for both milking and meat production, etc.

**Beef cattle ranching and farming comprises** establishments primarily engaged in raising and fattening cattle. The raising of cattle for dairy herd replacements is also included in this industry. Examples include beef cattle finishing, beef cattle ranching, beef cattle feedlots, dairy heifer replacement production, etc.

**Hog and pig farming** comprises establishments primarily engaged in raising hogs and pigs. Examples include hog feedlot, hog raising, pig farming, domestic boar raising, swine farrow to finish farming, weanling pigs operations, etc.

**Poultry and egg production** comprises establishments primarily engaged in breeding, hatching and raising poultry for meat or egg production. Examples include chicken egg production, started pullet farming, broiler chicken raising, fryer chicken raising, capon farming, turkey farming, turkey egg production, poultry hatcheries, egg hatcheries, duck farming, emu farming, ostrich farming, geese farming, pheasant farming, quail farming, etc.

**Sheep and goat farming** comprises establishments primarily engaged in raising sheep and goats, and feeding or fattening lambs. Examples include lamb feedlot, lamb farming, sheep raising, sheep farming, wool production farming, goat farming, goat farm milk production, mohair production, goat raising, etc.

**Other animal production** comprises establishments, not classified to any other industry group, primarily engaged in raising animals, such as bees, horses and other equines, rabbits and other fur-bearing animals, llamas, deer, worms, crickets, laboratory animals and companion animals, for example dogs, cats, pet birds and other pets. The production of animal products, such as honey and other bee products, are also included. Establishments primarily engaged in raising a combination of animals, with no one predominating, are also included in this industry group.

**Wheat farming** comprises establishments primarily engaged in growing wheat, for example spring, winter and durum wheat growing, wheat cereal grain farming, etc.

**Oilseed and grain (except wheat) farming** comprises establishments primarily engaged in growing oilseeds and grains. Establishments primarily engaged in producing seeds are classified in the appropriate crop industry. Examples include soybean farming, canola farming, linseed farming, mixed oilseed farming, mustard seed farming, safflower and sunflower farming, dry pea farming, dry bean farming, lentil farming, corn farming, rice farming, etc.

**Hay farming** comprises establishments primarily engaged in growing hay, grasses and mixed hay. Examples include alfalfa farming, clover farming, timothy farming, forage crops farming, etc.

**Fruit and tree nut farming** comprises establishments primarily engaged in growing fruit and nuts, for example orange groves, grapefruit groves, lemon groves, lime groves, apple orchards, cranberries, non-citrus fruits, small berry fruit farming, strawberries farming, tree nut groves and farms, vineyards, etc.

**Vegetable and melon farming** comprises establishments primarily engaged in growing vegetables and melons, vegetable and melon seed production and vegetable and melon bedding plant production. Examples include potato farming, yam and sweet potato farming, cantaloupe farming, melon farming, watermelon farming, market gardening, mixed vegetable growing, pepper farming, sweet corn growing, vegetable bedding plants growing, vegetable seed growing, etc.

**Greenhouse, nursery and floriculture production** comprises establishments primarily engaged in growing crops of any kind under cover, growing nursery crops and growing flowers. Under cover includes greenhouses, cold frames, cloth houses, and lath houses. The crops grown are removed at various stages of maturity. Examples include mushroom production, herb and spice crops grown under cover, hydroponic crops grown under cover, market gardening in greenhouses, vegetable food crops grown in greenhouses, Christmas tree growing, field nurseries, nursery stock growing, ornamental plants, shrubs and trees nursery grown, tree nursery, turf (sod) farming, flower nursery, flower seed production, etc.

**Other crop (except hay) farming** comprises establishments, not classified to any other industry group, primarily engaged in growing crops, such as tobacco, peanuts, sugar beets, cotton, sugar-cane, agave, herbs

and spices, mint, hops, etc. Combination crop farming and the gathering of maple sap are included in this industry group.

## Field Crops

Include hay, alfalfa and alfalfa mixtures; wheat (spring, durum, winter); oats; barley; mixed grains; corn (grain and silage); rye (fall and spring); canola; soybeans; flaxseed; dry field peas; chick peas; lentils; beans (dry white and other beans); forage seed; potatoes; mustard seed; sunflowers; canary seed; ginseng; buckwheat; sugar beets; caraway seed; triticale; and other field crops such as tobacco, hemp, spelt, coriander and other spices, etc.

## Fodder Crops

Include alfalfa, barley, clover, corn and sorghum and any other crops in which the whole plant is used to feed cattle, sheep and other ruminants.

## Forage Seed

Seed from fodder crops grown commercially for seed. Includes timothy, fescue, clover, alfalfa, wheat grass, and turf grass seed.

## Fungicide

A chemical used to control, suppress or kill fungi that severely interrupt normal plant growth.

## Green Manure Crops

Young green plants, such as buckwheat and red clover, incorporated into the soil to improve fertility. Usually grown only to improve the soil. Plowing down green crops: when a crop such as winter wheat, fall rye, buckwheat or red clover is planted but "plowed under" before it can be harvested.

## Gross Farm Receipts

Farm receipts measure the gross revenue generated by agricultural holdings. They are not a direct measure of profit since operating expenses have not been deducted. The data for receipts were collected for the previous calendar year, or for the last complete accounting (fiscal) year. All dollar values are based on the current dollar of the reference year. Gross Receipts include:

- receipts from all agricultural products sold
- marketing board payments received
- program and rebate payments received
- GST refunds received
- dividends received from co-operatives
- receipts from maple syrup and Christmas tree sales
- custom work and all other farm receipts

Gross Receipts do not include:

- receipts from the sale of capital items (e.g. land, buildings or machinery)
- receipts from the sale of goods bought only for retail sales
- receipts from the sale of forest products (firewood, pulpwood, logs, fence posts, pilings and standing timber)

NOTE: Comparisons of the Census of Agriculture data with other Statistics Canada sources such as the Taxation Data Program (TDP), the Farm Financial Survey (FFS) and the Agriculture Economic Statistics (AES) series are affected by differences in concepts, methods and coverage. The combined effect of these differences may result in substantial discrepancies in level estimates and in trends.

## Herbicide

A chemical used to control, suppress, or kill plants or severely interrupt their normal growth.

## Insecticide

A substance or mixture of substances intended to prevent, destroy, repel or minimize the effect of any insects that may be present.

## Land Use

The sum of the following classifications of land use is equal to the total area of farms:

**Land in crops:** all areas reported for field crops, including grains and oilseeds, fruits, vegetables, nursery products and sod.



**Summerfallow land:** land on which no crops will be grown during the year but on which weeds will be controlled by cultivation or application of chemicals.

**Tame or seeded pasture:** grazeable land that has been improved from its natural state by seeding, draining, irrigating, fertilizing or weed control. Does not include areas of land harvested for hay, silage or seed.

**Natural land for pasture:** areas used for pasture that have not been cultivated and seeded, or drained, irrigated or fertilized. Includes native pasture/hay (indigenous grass suitable as feed for livestock and game); rangeland (land with natural plant cover, principally native grasses or shrubs valuable for forage); grazeable bush (forest land and bushy areas used for grazing, not land cultivated for crops or with dense forest), etc.

**Area in Christmas trees, woodlands and wetlands:** area of Christmas trees grown for sale include naturally established or planted areas, regardless of stage of growth, that are pruned or managed with the use of fertilizer or pesticides. Woodlands include non-workable land such as woodlots, sugarbushes, tree windbreaks and bush that is not used for grazing. Wetlands include ponds, bogs, marshes, sloughs, etc.

**All other land:** idle land, land on which farm buildings, barnyards, lanes, home gardens, greenhouses and mushroom houses are located.

## Livestock Inventory

Includes all animals on the farm, regardless of ownership, and any animals owned but pastured on a community pasture, grazing co-op or public land. Livestock on farms exclude animals owned but kept on a farm, ranch, or feedlot operated by someone else.

Livestock data from the census are used as the basis for annual estimates and for estimating inventories, production and future supplies of animals and animal products for domestic consumption and export. Farmers use census estimates to make production and marketing decisions while government departments, private companies and farm media use census information in market analysis and formulation of agricultural outlooks.

## Non-workable Land

Includes natural pastureland, woodland, wetlands, ponds, bogs, sloughs, barnyards, lanes, etc., and land on which farm buildings are located.

## Organic Products

Products from farm operations operated according to a set of organic production principles.

**Certified organic product:** an agricultural product that meets organic standards at each production/processing stage and is certified by a recognized certifying agency.

**Transitional:** commonly used by certifying agencies to indicate fields in transition to becoming certified organic. It means the operator is actively adopting practices that comply with organic standards. Certification can take up to four years.

## Paid Agricultural Labour

Paid farm work done on the operation during the previous calendar year, either on a year-round, or seasonal or temporary basis. This includes work done by family members who were paid a salary or wage. The total value of wages and salaries paid are included in Farm Operating Expenses.

**Paid on a year-round basis:** an employee who is paid on a year-round basis is employed either part time or full time 12 months of the year.

**Paid on a seasonal or temporary basis:** an employee who is paid on a seasonal or temporary basis is employed part time or full time for only part of the year.

## Partnership with or without a Written Agreement

A partnership with or without a written agreement is an agricultural operation where the business is owned and operated jointly by two or more persons with or without a written agreement and where risks and profits are shared. The partners may or may not own the land, buildings, machinery, etc.

## Pesticide

Any chemical used for controlling, suppressing or killing insects, weeds or fungi. Includes fungicides, herbicides and insecticides.

## Present Market Value

The present market value is the amount of money a property should bring in if it were sold in today's market.

## Rotational Grazing

A practice allowing forages to recover after each grazing period. Includes alternating two or more pastures at regular intervals or using temporary fences within pastures to prevent overgrazing.

## Silage

A crop, such as corn and sorghum or other green crops with sufficient moisture, that has been preserved by partial fermentation in a silo, pit, stack, plastic bag or wrap for animal feed, and is usually chopped. Often called "hay crop silage" or "haylage" when made from forage crops such as hay or alfalfa. This is also referred to as ensilage and baleage.

## Sole Proprietorship Operation

A sole proprietorship operation is an agricultural operation where one person owns the non-incorporated business. The person who owns the business may or may not own the land, buildings, machinery, etc. There may be multiple operators (persons responsible for the day-to-day management decisions) such as husband and wife, father and son, etc.

## Summerfallow

Involves keeping normally cultivated land free of vegetation throughout one growing season by cultivating (plowing, disking, etc.) and/or applying chemicals to destroy weeds, insects and soil-borne diseases and allow a buildup of soil moisture reserves for the next crop year. Includes chemfallow, tillage, and/or a combination of chemical and tillage weed control on the same land.

## Tillage

Tillage is the practice of working the soil for the purpose of bringing about more favourable conditions for plant growth. **Conventional tillage** incorporates most of the crop residue into the soil while **minimum-till** retains most of the crop residue on the surface. **No-till or zero-till** includes direct seeding into stubble or sod.

## Value of Farm Land and Buildings

Refers to the present market value of land and buildings on the operation on Census Day. It includes the value of all houses that are part of the operation; the value of fixed equipment/machinery such as bulk tanks, farrowing pens, etc., found in farm buildings on the operation. It includes land and buildings that are rented or leased from others, but does not include the value of any land and buildings rented or leased to others.

## Value of Farm Machinery and Equipment

Refers to the present market value of all farm machinery and equipment that was owned or leased on Census Day.

## Windbreaks or Shelterbelts

Rows of natural or planted trees or hedges along field edges that stop prevailing winds from eroding the soil. Used more frequently in Western Canada where farmland is more susceptible to wind action and where trapping snow for moisture is important.

## Winter Cover Crops

A crop, such as red clover, fall rye, etc., seeded in the fall to protect the soil from water and wind erosion during the winter and from heavy rains and run-off in the spring.

## Workable Land

All arable or cleared lands including area in hay, crops, summerfallow, and tame or seeded pasture land.

## Notes on 2016 Census Data

### **Wheat**

Spring Wheat (including utility and prairie spring wheat).

### **Winter Wheat/Fall Rye**

Winter wheat or fall rye to be harvested in 2016.

### **Vegetables Grown for Sale**

Excludes greenhouse vegetables.

### **Livestock**

**Chicks and poultry hatched** refer to those hatched in commercial poultry hatcheries in the calendar year prior to the census.

**Poultry production** (broilers, roasters and Cornish) and **egg production** (table eggs and hatching eggs) refer to production for the calendar year prior to the census.

**Other poultry** includes geese, ducks, roosters, ostriches, emus, pheasants, quail, wild turkey, etc.

### **Herbicide/Insecticide/Fungicide Use**

The area of land that has been treated with herbicides, insecticides and fungicides is under-reported. However, the data are comparable with previous censuses.

### **Operators**

Up to three operators can be reported per farm. This is a count of distinct operators; hence, operators of two or more separate farms are included only once in the total.

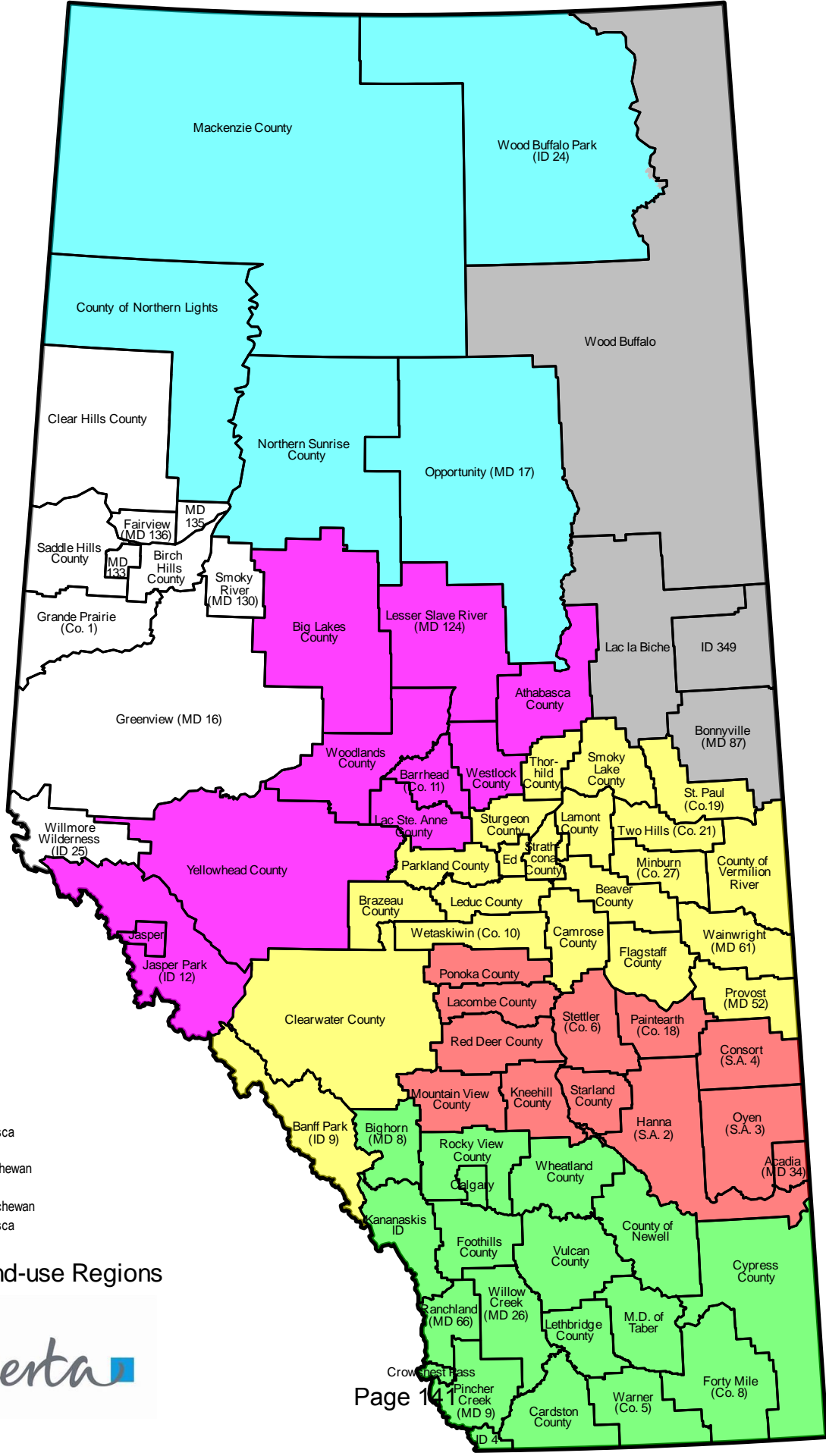
### **Tenure**

Includes land used through arrangements other than renting, leasing or crop sharing, such as land trading or rent free.

**Source: Statistics Canada**

**Prepared by: Alberta Agriculture and Forestry  
Economics and Competitiveness Branch  
Statistics and Data Development Section**





- Lower Athabasca
- Lower Peace
- North Saskatchewan
- Red Deer
- South Saskatchewan
- Upper Athabasca
- Upper Peace

## Alberta Land-use Regions



# Alberta Municipalities Classified by Land-use Region

<b>Lower Peace*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Mackenzie County	610	17
Northern Lights County	375	17
Northern Sunrise County	149	17

<b>Lower Athabasca*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Bonnyville No. 87	650	12
Lac la Biche County	238	12
Wood Buffalo	6	16

<b>Upper Peace*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Birch Hills County	182	19
Clear Hills	390	17
Fairview No. 136	202	19
Grande Prairie County No. 1	1,113	19
Greenview No. 16	534	18
Peace No. 135	129	19
Saddle Hills County	381	19
Smoky River No. 130	306	19
Spirit River No. 133	110	19

<b>Upper Athabasca*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Athabasca County	650	13
Barrhead County No. 11	681	13
Big Lakes	306	17
Lac Ste. Anne County	794	13
Lesser Slave River No. 124	131	17
Westlock County	744	13
Woodlands County	226	13
Yellowhead County	611	14

<b>North Saskatchewan*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Beaver County	631	10
Brazeau County	426	11
Camrose County	962	10
Clearwater County	1,013	9
Edmonton	133	11
Flagstaff County	638	7
Lamont County	689	10
Leduc County	1,088	11
Minburn County No. 27	594	10
Parkland County	679	11
Provost No. 52	410	7
Smoky Lake County	419	12
St. Paul County No. 19	680	12
Strathcona County	579	11
Sturgeon County	730	11
Thorhild County No. 7	382	13
Two Hills County No. 21	503	10
Vermilion River County	1,052	10
Wainwright No. 61	535	7
Wetaskiwin County No. 10	954	11

<b>Red Deer*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Kneehill County	700	5
Lacombe County	1,034	8
Mountain View County	1,542	6
Paintearth County No. 18	402	7
Ponoka County	1,097	8
Red Deer County	1,460	8
Special Area No. 2	460	4
Special Area No. 3	448	4
Special Area No. 4	284	4
Starland County	309	5
Stettler County No. 6	703	7

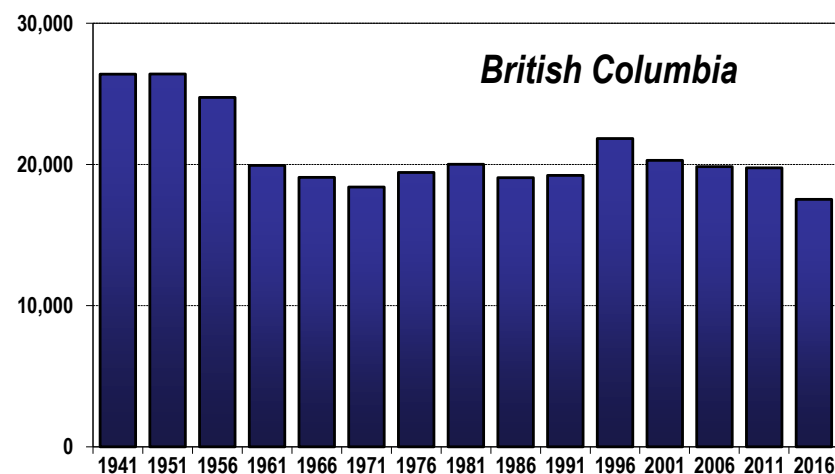
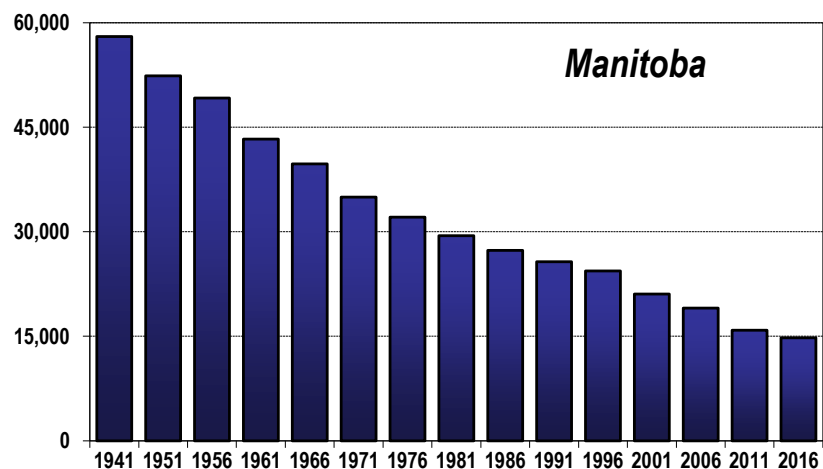
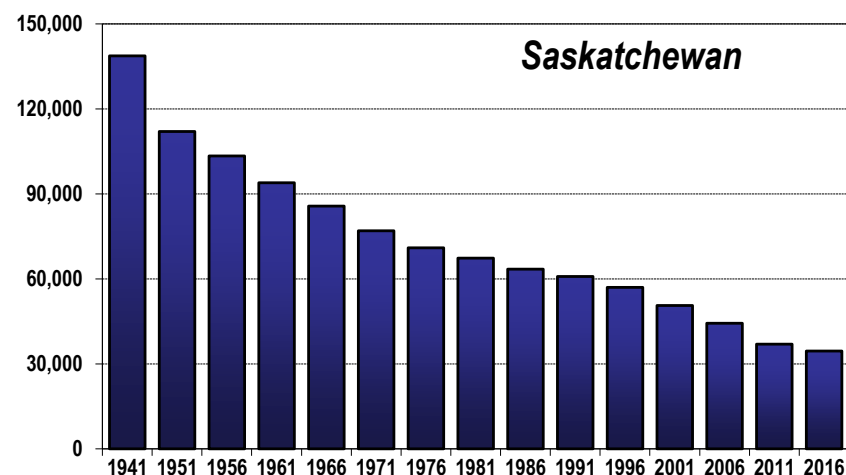
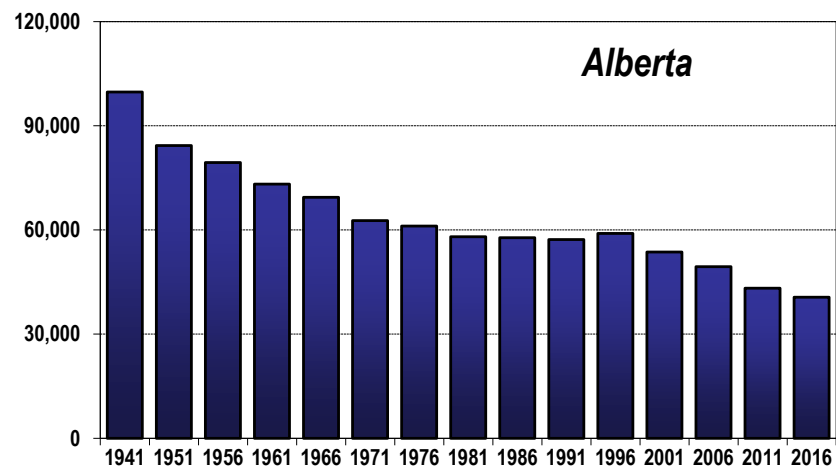
<b>South Saskatchewan*</b>	<b>No. of Farms**</b>	<b>C.D.</b>
Bighorn No. 8	54	15
Calgary	145	6
Cardston County	475	3
Cypress County	805	1
Foothills No. 31	1,083	6
Forty Mile County No. 8	498	1
Lethbridge County	906	2
Newell County No. 4	668	2
Pincher Creek No. 9	439	3
Ranchland No. 66	68	15
Rocky View County	1,135	6
Taber	633	2
Vulcan County	608	5
Warner County No. 5	462	2
Wheatland County	810	5
Willow Creek No. 26	795	3

C.D. - Census Division

\* Land-use regions were created by the Government of Alberta for the Land-use Framework. The seven regions are based on the major watersheds, with boundaries aligned to best fit with existing municipal boundaries and the natural regions.

\*\* 2016 Census of Agriculture

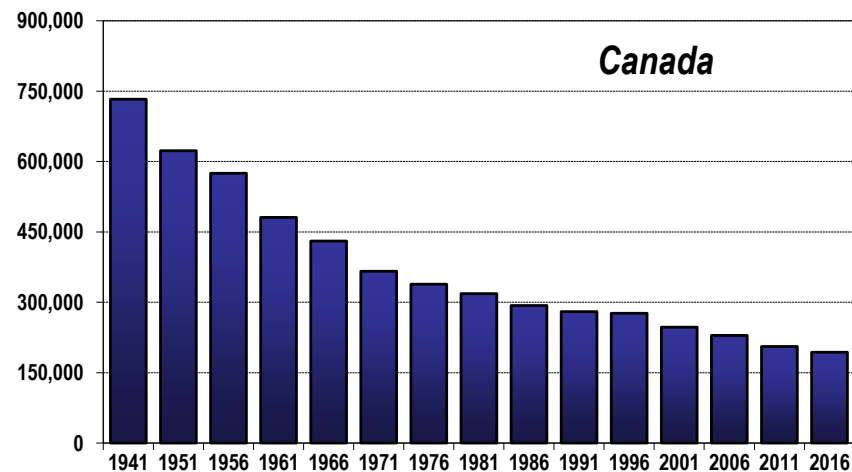
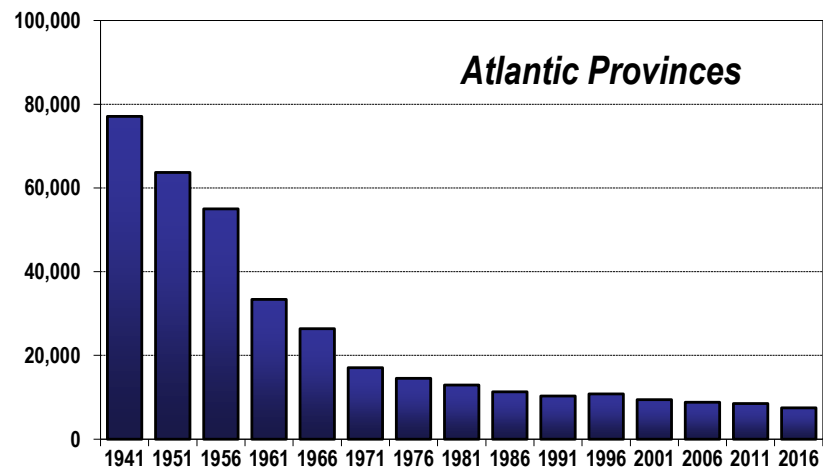
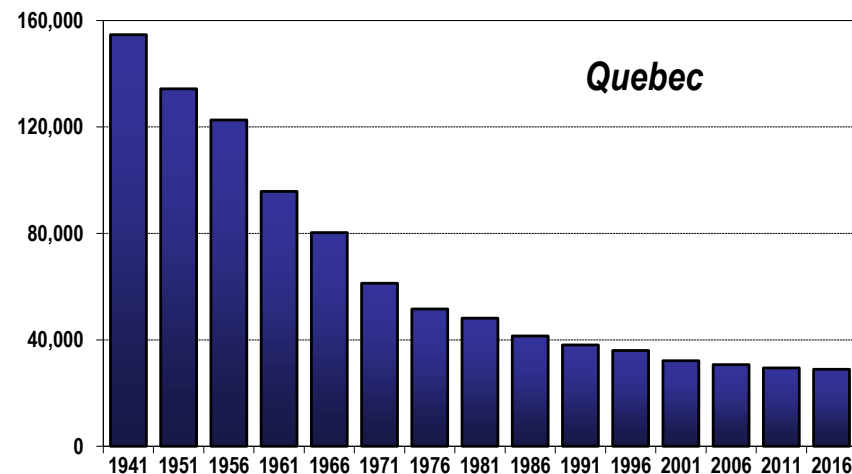
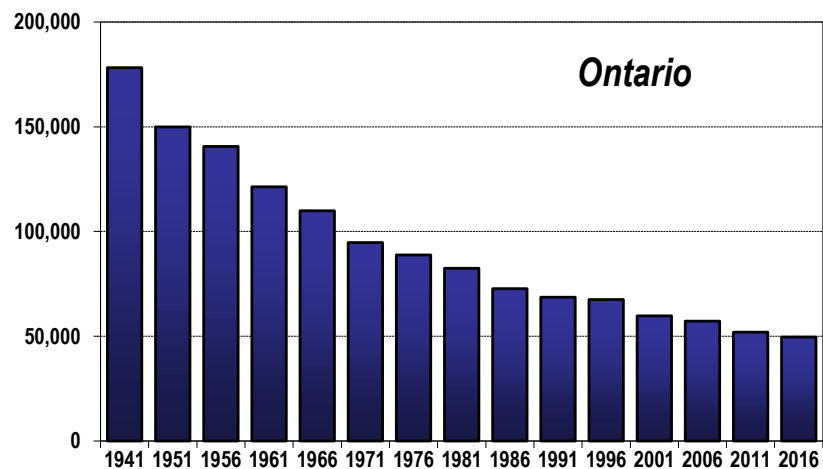
## Number of Census Farms, 1941 - 2016



Source: Statistics Canada, Census of Agriculture.

Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

## Number of Census Farms, 1941 - 2016



Source: Statistics Canada, Census of Agriculture.

Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

## HIGHLIGHTS CONT'D

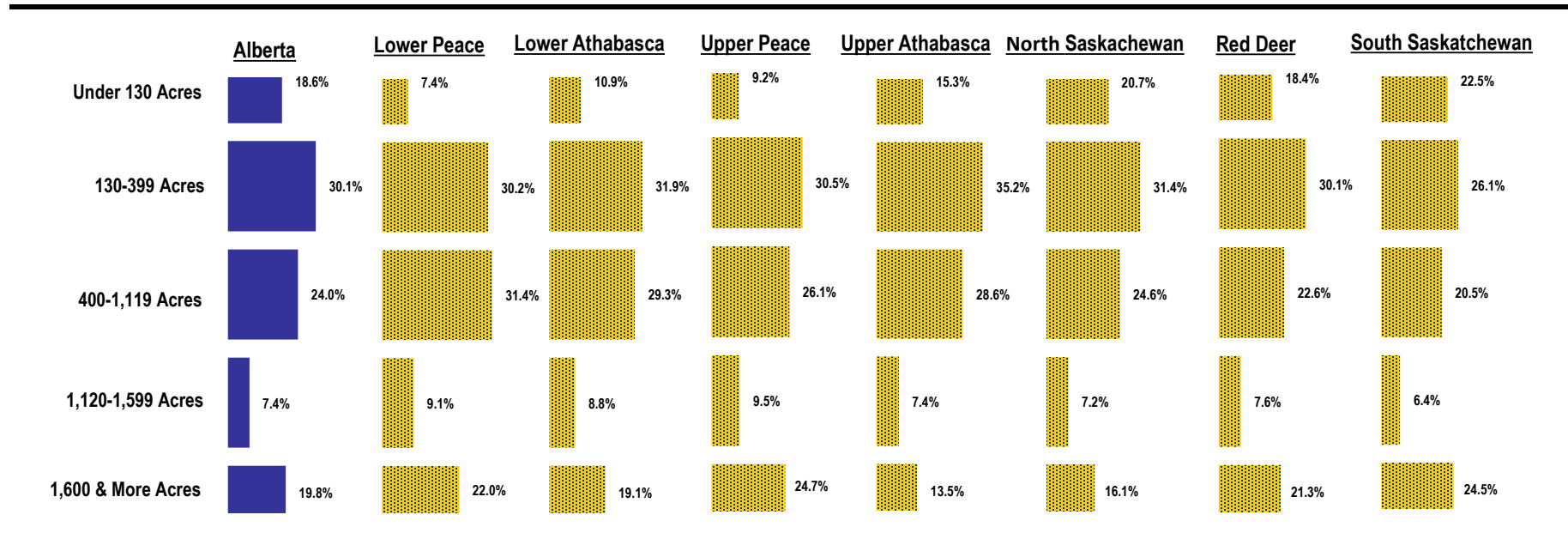
## Number of Farms by Farm Size, 2016

	Total # of Farms	Under 10 Acres	10-129 Acres	130-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,599 Acres	1,600-2,239 Acres	2,240-2,879 Acres	2,880-3,519 Acres	3,520 Acres and Over
Alberta	40,638	1,018	6,526	7,334	4,918	3,257	2,947	3,565	3,012	2,529	1,497	1,027	3,008
Lower Peace	1,134	15	69	203	139	129	117	110	103	98	42	29	80
Lower Athabasca	894	11	86	174	111	83	74	105	79	56	34	26	55
Upper Peace	3,347	36	272	592	428	268	264	343	318	285	156	116	269
Upper Athabasca	4,143	59	576	852	606	380	344	460	308	235	121	67	135
North Saskatchewan	13,097	332	2,379	2,397	1,712	1,120	958	1,144	948	750	419	300	638
Red Deer	8,439	225	1,331	1,620	917	624	607	673	643	530	319	207	743
South Saskatchewan	9,584	340	1,813	1,496	1,005	653	583	730	613	575	406	282	1,088

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Refer to census definitions and notes for more information.

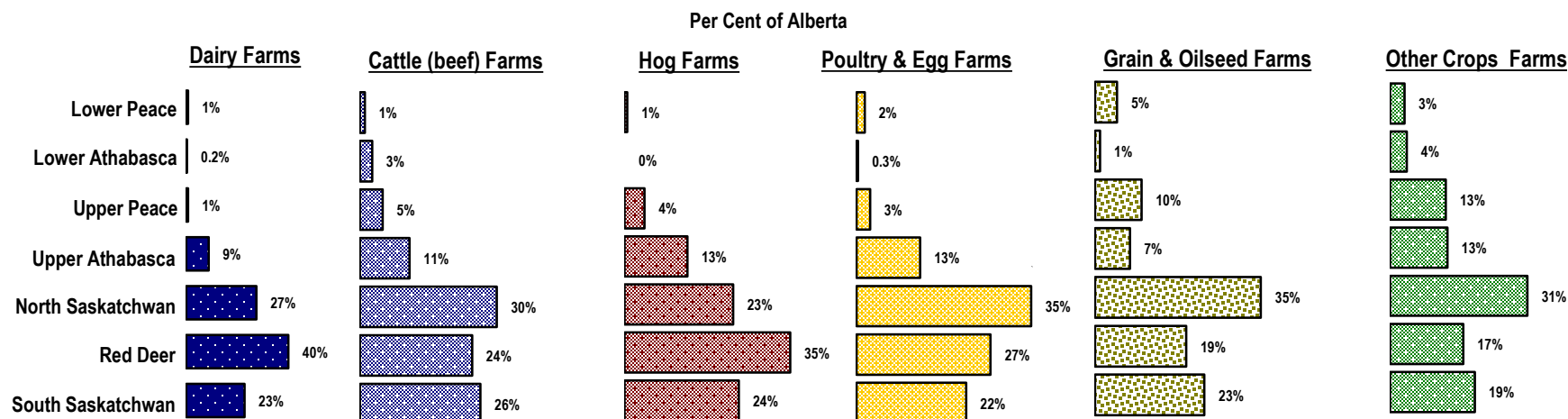
## Distribution of Farms by Farm Size, 2016



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

## HIGHLIGHTS CONT'D

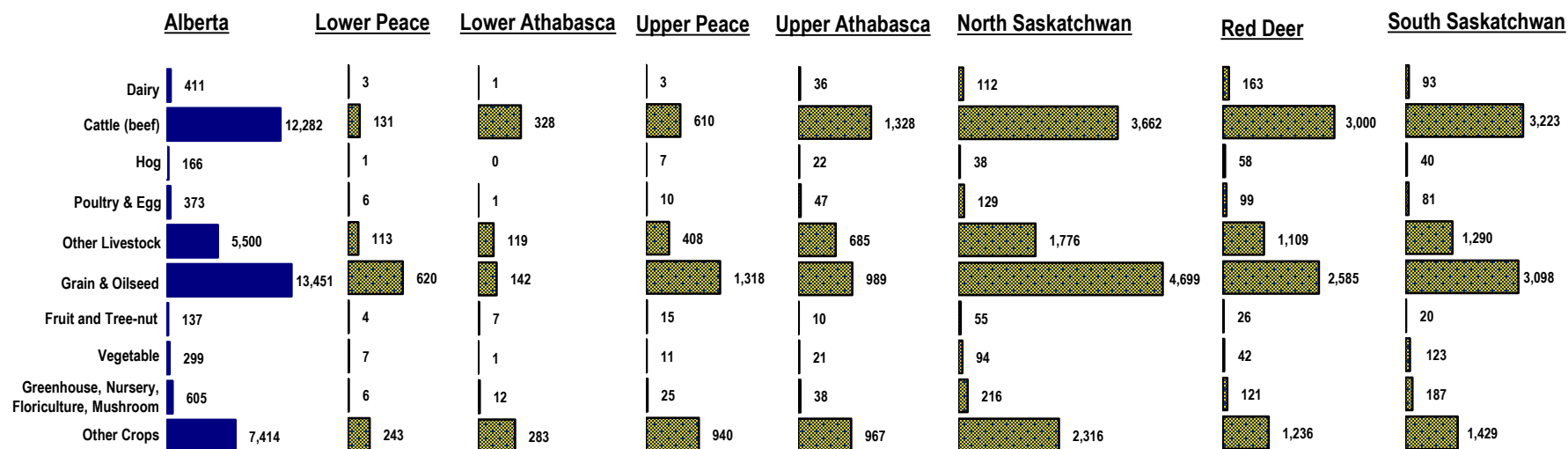
## Distribution of Farms by Selected Farm Types\*, 2016



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Farm types are derived based on the North American Industrial Classification System (NAICS). Refer to census definitions and notes for more information.

## Number of Farms by Farm Type\*, 2016



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Farm types are derived based on the North American Industrial Classification System (NAICS). Refer to census definitions and notes for more information.

## HIGHLIGHTS CONT'D

## Land Use by Region, 2016

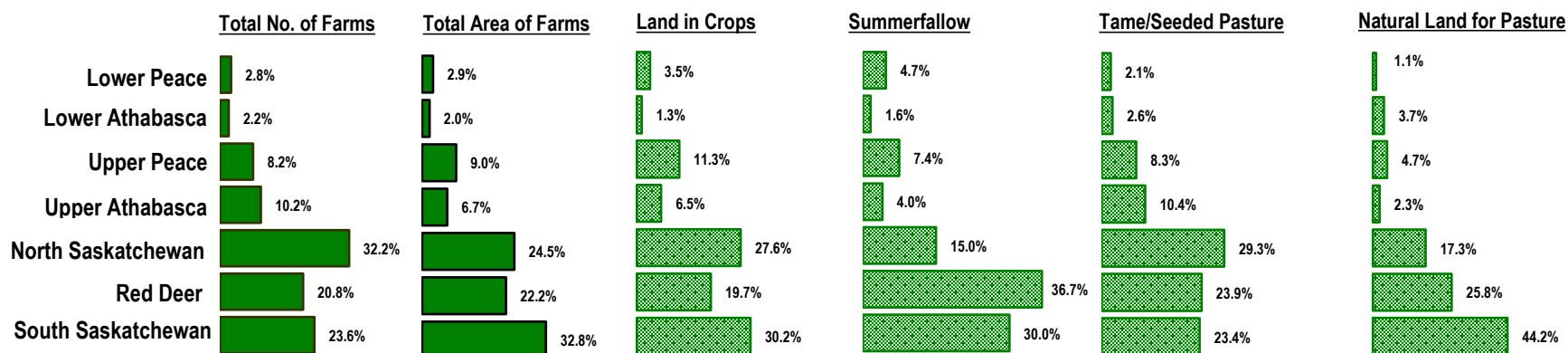
	Total Area of Farms		Land in Crops		Summerfallow		Tame/Seeded Pasture		Natural Land for Pasture		All Other Land (1)	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
Alberta	40,638	50,250,183	33,866	25,261,781	3,660	644,021	16,077	5,421,962	21,444	15,861,059	41,553	3,064,360
Lower Peace	1,134	1,441,474	1,057	890,322	194	30,348	373	109,789	333	173,301	1,421	133,196
Lower Athabasca	894	987,874	745	338,317	103	10,164	444	157,985	609	584,850	1,110	105,814
Upper Peace	3,347	4,523,296	3,016	2,845,002	386	47,812	1,273	448,235	1,371	745,151	3,925	355,297
Upper Athabasca	4,143	3,354,357	3,432	1,637,266	385	25,620	1,984	465,634	2,305	358,221	5,032	336,480
North Saskatchewan	13,097	12,295,862	10,978	6,962,228	927	96,465	5,223	1,559,039	7,129	2,739,042	14,501	939,088
Red Deer	8,439	11,156,409	6,888	4,969,691	791	236,350	3,556	1,368,513	4,887	4,095,155	8,467	436,124
South Saskatchewan	9,584	16,490,911	7,750	7,618,955	874	193,501	3,224	127,171	4,810	7,004,466	7,097	432,085

(1) Includes Woodlands and Wetlands, Christmas Tree Area and All Other Land.

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

## Distribution of Farms and Land Use by Region, 2016

Per Cent of Alberta

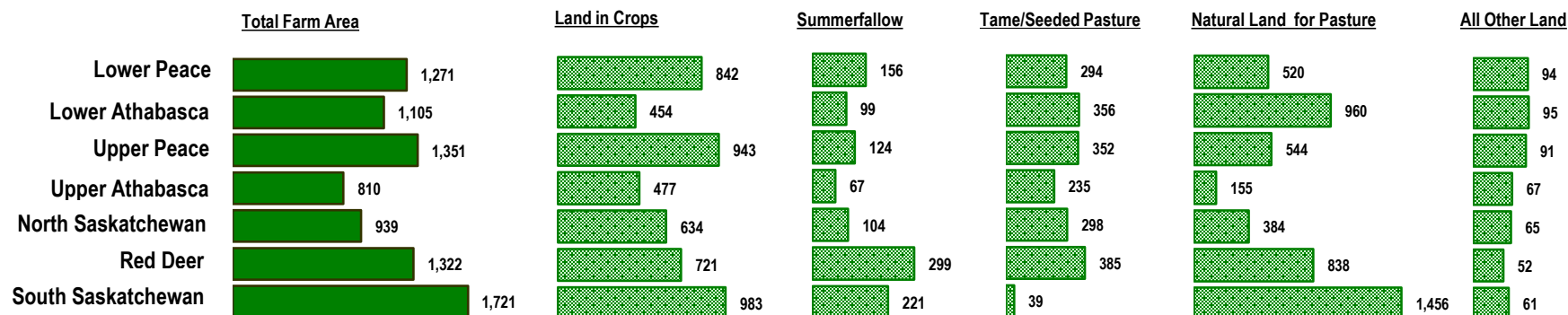


Please note: Due to confidentiality, some regions may be missing values and may not add up to 100%

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

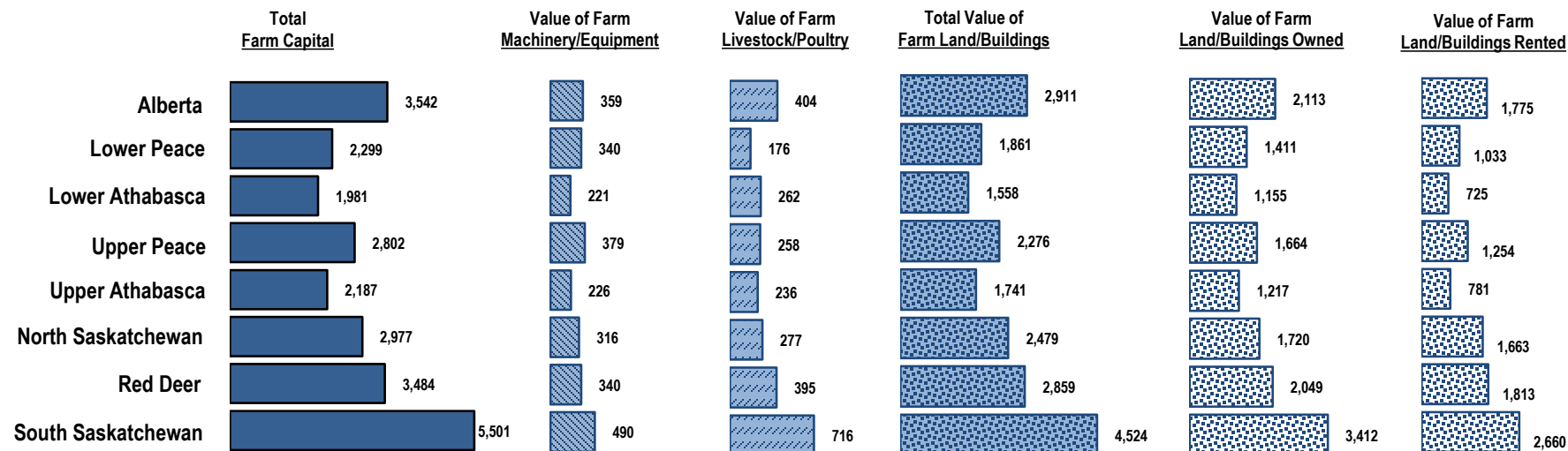
## HIGHLIGHTS CONT'D

### Average Per Reporting Farm - Land Use (Acres), 2016



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.  
Refer to census definitions and notes for more information.

### Average Per Reporting Farm - Farm Capital (\$'000), 2016



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.  
Refer to census definitions and notes for more information.



## HIGHLIGHTS CONT'D

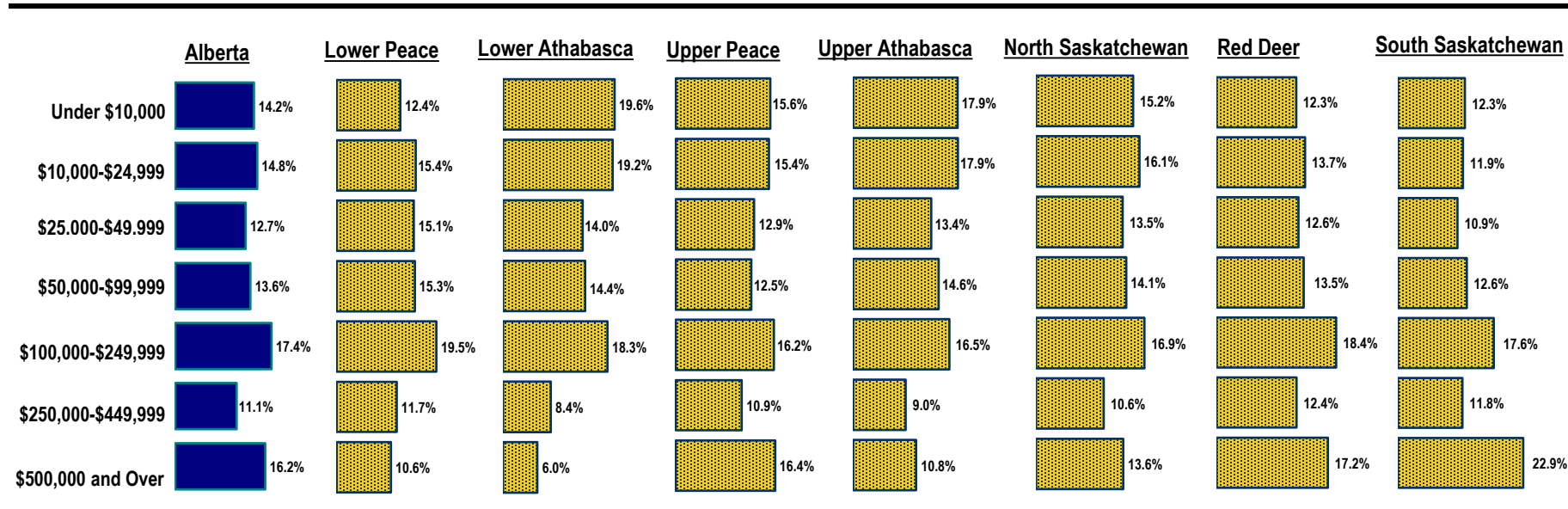
## Number of Farms by Gross Farm Receipts, 2015

	Total # Farms	Total Gross Farm Receipts	Average Gross Farm Receipts per Farm	Under \$10,000	\$10,000- \$24,999	\$25,000- \$49,999	\$50,000- \$99,999	\$100,000- \$249,999	\$250,000- \$499,999	\$500,000 and Over
		(\$'000)	(\$'000)							
Alberta	40,638	17,729,972	436	5,779	6,009	5,165	5,516	7,065	4,503	6,601
Lower Peace	1,134	272,571	240	141	175	171	173	221	133	120
Lower Athabasca	894	134,501	150	175	172	125	129	164	75	54
Upper Peace	3,347	1,051,458	314	523	515	433	418	543	365	550
Upper Athabasca	4,143	1,087,816	263	741	742	554	606	682	372	446
North Saskatchewan	13,097	3,806,027	291	1,986	2,111	1,773	1,845	2,215	1,385	1,782
Red Deer	8,439	3,150,528	373	1,037	1,152	1,065	1,136	1,556	1,043	1,450
South Saskatchewan	9,584	8,227,072	858	1,176	1,142	1,044	1,209	1,684	1,130	2,199

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Refer to census definitions and notes for more information.

## Distribution of Farms by Gross Farm Receipts, 2015



Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Refer to census definitions and notes for more information.

**Table 1.1: Farms Classified by Operating Arrangements, 2016**

	Total Number of Farms	Sole Proprietorship	Partnership Agreement		Corporation		Other
			Non-Written	Written	Family	Non-Family	
<b>Alberta</b>	<b>40,638</b>	<b>21,328</b>	<b>7,838</b>	<b>1,177</b>	<b>9,287</b>	<b>803</b>	<b>205</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>700</b>	<b>181</b>	<b>27</b>	<b>206</b>	<b>17</b>	<b>3</b>
Mackenzie County	610	392	89	16	104	9	0
Northern Lights County	375	238	61	9	60	6	1
Northern Sunrise County	149	70	31	2	42	2	2
<b>Lower Athabasca</b>	<b>894</b>	<b>536</b>	<b>213</b>	<b>20</b>	<b>115</b>	<b>3</b>	<b>7</b>
Bonnyville No. 87	650	395	152	12	84	2	5
Lac La Biche County	238	137	60	8	31	1	1
Wood Buffalo	6	4	1	0	0	0	1
<b>Upper Peace</b>	<b>3,347</b>	<b>1,790</b>	<b>640</b>	<b>100</b>	<b>724</b>	<b>67</b>	<b>26</b>
Birch Hills County	182	84	19	9	59	6	5
Clear Hills	390	245	64	1	69	7	4
Fairview No. 136	202	94	43	7	52	4	2
Grande Prairie County No. 1	1,113	603	241	31	207	26	5
Greenview No. 16	534	296	124	21	82	6	5
Peace No. 135	129	76	22	6	20	3	2
Saddle Hills County	381	215	70	9	79	7	1
Smoky River No. 130	306	112	41	14	131	6	2
Spirit River No. 133	110	65	16	2	25	2	0
<b>Upper Athabasca</b>	<b>4,143</b>	<b>2,268</b>	<b>948</b>	<b>90</b>	<b>755</b>	<b>75</b>	<b>7</b>
Athabasca County	650	366	174	7	91	12	0
Barrhead County No. 11	681	320	146	13	193	8	1
Big Lakes	306	174	64	7	50	9	2
Lac Ste. Anne County	794	486	186	14	88	20	0
Lesser Slave River No. 124	131	75	30	7	17	2	0
Westlock County	744	347	168	25	189	14	1
Woodlands County	226	135	47	5	34	5	0
Yellowhead County	611	365	133	12	93	5	3

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 1.1: Farms Classified by Operating Arrangements, 2016**

	Total Number of Farms	Sole Proprietorship	Partnership Agreement		Corporation		Other
			Non-Written	Written	Family	Non-Family	
<b>North Saskatchewan</b>	<b>13,097</b>	<b>7,420</b>	<b>2,648</b>	<b>307</b>	<b>2,471</b>	<b>208</b>	<b>43</b>
Beaver County	631	362	121	14	122	8	4
Brazeau County	426	240	103	5	69	8	1
Camrose County	962	506	203	30	209	14	0
Clearwater County	1,013	593	257	31	115	9	8
Edmonton	133	66	15	3	36	11	2
Flagstaff County	638	329	91	16	190	12	0
Lamont County	689	458	123	12	85	9	2
Leduc County	1,088	602	245	36	188	17	0
Minburn County No. 27	594	339	87	7	142	18	1
Parkland County	679	389	149	18	106	16	1
Provost No. 52	410	211	73	9	108	7	2
Smoky Lake County	419	267	78	12	56	4	2
St. Paul County No. 19	680	425	144	14	86	6	5
Strathcona County	579	338	104	14	111	11	1
Sturgeon County	730	403	152	13	151	10	1
Thorhild County No. 7	382	245	77	6	49	4	1
Two Hills County No. 21	503	302	112	7	72	9	1
Vermilion River County	1,052	524	196	21	292	17	2
Wainwright No. 61	535	273	94	11	144	7	6
Wetaskiwin County No. 10	954	548	224	28	140	11	3
<b>Red Deer</b>	<b>8,439</b>	<b>4,335</b>	<b>1,710</b>	<b>315</b>	<b>1,910</b>	<b>151</b>	<b>18</b>
Kneehill County	700	291	144	26	227	11	1
Lacombe County	1,034	503	214	37	259	20	1
Mountain View County	1,542	835	340	52	285	26	4
Paintearth County No. 18	402	226	77	14	77	8	0
Ponoka County	1,097	616	220	47	192	21	1
Red Deer County	1,460	748	321	70	301	19	1
Special Area No. 2	460	219	86	12	128	9	6
Special Area No. 3	448	230	50	17	141	9	1
Special Area No. 4	284	139	33	10	98	4	0
Starland County	309	145	58	11	83	10	2
Stettler County No. 6	703	383	167	19	119	14	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 1.1: Farms Classified by Operating Arrangements, 2016**

	Total Number of Farms	Sole Proprietorship	Partnership Agreement		Corporation		Other
			Non-Written	Written	Family	Non-Family	
<b>South Saskatchewan</b>	<b>9,584</b>	<b>4,279</b>	<b>1,498</b>	<b>318</b>	<b>3,106</b>	<b>282</b>	<b>101</b>
Bighorn No. 8	54	24	12	4	11	2	1
Calgary	145	71	15	8	40	11	0
Cardston County	475	248	88	12	104	15	8
Cypress County	805	405	110	23	235	19	13
Foothills No. 31	1,083	534	230	34	247	34	4
Forty Mile County No. 8	498	167	36	17	257	14	7
Lethbridge County	906	341	131	37	371	24	2
Newell County	668	281	106	22	230	14	15
Pincher Creek No. 9	439	210	103	21	90	7	8
Ranchland No. 66	68	19	8	3	23	3	12
Rocky View County	1,135	576	223	26	270	36	4
Taber	633	234	70	18	282	19	10
Vulcan County	608	256	70	11	245	18	8
Warner County No. 5	462	215	48	10	167	20	2
Wheatland County	810	341	113	40	288	26	2
Willow Creek No. 26	795	357	135	32	246	20	5

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 2.1: Farm Land Area Classified by Tenure, 2016

	Total Area of Farms (1)		Owned		Leased from Governments		Rented/Leased from Others		Crop Shared from Others		Used Through Other Arrangements		Total Area Used by Others	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>40,638</b>	<b>50,250,183</b>	<b>38,418</b>	<b>29,291,562</b>	<b>5,653</b>	<b>9,471,542</b>	<b>15,400</b>	<b>11,993,003</b>	<b>3,200</b>	<b>1,417,069</b>	<b>2,022</b>	<b>535,608</b>	<b>7,146</b>	<b>2,458,601</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>1,441,474</b>	<b>1,099</b>	<b>980,886</b>	<b>148</b>	<b>194,681</b>	<b>410</b>	<b>315,963</b>	<b>41</b>	<b>15,990</b>	<b>41</b>	<b>7,913</b>	<b>173</b>	<b>73,959</b>
Mackenzie County	610	595,648	592	438,263	63	69,990	204	103,793	23	4,695	15	3,307	67	24,400
Northern Lights County	375	556,778	367	401,175	67	63,365	135	121,604	10	5,770	16	3,760	71	38,896
Northern Sunrise County	149	289,048	140	141,448	18	61,326	71	90,566	8	5,525	10	846	35	10,663
<b>Lower Athabasca</b>	<b>894</b>	<b>987,874</b>	<b>863</b>	<b>X</b>	<b>331</b>	<b>X</b>	<b>288</b>	<b>178,605</b>	<b>55</b>	<b>13,831</b>	<b>51</b>	<b>11,261</b>	<b>130</b>	<b>39,906</b>
Bonnyville No. 87	650	706,085	628	350,242	213	238,420	200	133,084	44	12,007	36	5,823	105	33,491
Lac la Biche County	238	280,416	230	129,361	117	104,687	88	45,521	11	1,824	15	5,438	25	6,415
Wood Buffalo	6	1,373	5	X	1	X	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3,347</b>	<b>4,523,296</b>	<b>3,224</b>	<b>2,769,851</b>	<b>590</b>	<b>703,025</b>	<b>1,317</b>	<b>1,130,177</b>	<b>203</b>	<b>69,287</b>	<b>176</b>	<b>53,552</b>	<b>551</b>	<b>202,596</b>
Birch Hills County	182	463,260	173	289,047	38	83,073	92	97,865	3	X	7	X	36	14,492
Clear Hills	390	524,958	377	334,424	92	110,740	122	84,065	21	5,167	16	6,094	54	15,532
Fairview No. 136	202	298,024	198	184,366	38	27,427	93	97,873	9	X	8	X	41	15,527
Grande Prairie County No. 1	1,113	1,058,090	1,076	586,084	155	188,508	405	293,764	76	22,549	66	18,464	187	51,279
Greenview No. 16	534	653,706	517	404,566	117	169,618	171	103,157	40	10,620	33	10,645	83	44,900
Peace No. 135	129	190,797	121	101,667	30	41,874	70	54,279	11	4,290	4	790	31	12,103
Saddle Hills County	381	535,279	369	323,123	72	44,822	155	169,348	22	13,418	22	7,420	61	22,852
Smoky River No. 130	306	634,102	291	445,001	38	30,557	154	167,090	13	3,478	13	2,242	35	14,266
Spirit River No. 133	110	165,080	102	101,573	10	6,406	55	62,736	8	4,095	7	1,915	23	11,645
<b>Upper Athabasca</b>	<b>4,143</b>	<b>3,354,357</b>	<b>4,015</b>	<b>X</b>	<b>715</b>	<b>X</b>	<b>1,516</b>	<b>792,083</b>	<b>247</b>	<b>54,212</b>	<b>216</b>	<b>41,728</b>	<b>657</b>	<b>178,677</b>
Athabasca County	650	561,234	639	355,346	153	83,791	242	130,682	43	9,364	41	7,091	99	25,040
Barrhead County No. 11	681	525,826	664	347,121	60	59,171	265	138,337	26	3,562	31	5,584	124	27,949
Big Lakes	306	370,479	295	216,337	84	90,598	120	71,194	15	4,488	22	6,363	45	18,501
Lac Ste. Anne County	794	493,384	780	322,576	101	50,534	270	128,933	62	10,614	36	5,499	112	24,772
Lesser Slave River No. 124	131	119,067	128	70,035	49	30,767	36	20,599	6	1,315	4	240	13	3,889
Westlock County	744	663,422	707	439,792	56	51,855	314	189,112	44	15,599	40	8,484	146	41,420
Woodlands County	226	167,563	216	97,701	67	41,727	72	34,078	15	2,666	14	2,756	30	11,365
Yellowhead County	611	453,382	586	X	145	X	197	79,148	36	6,604	28	5,711	88	25,741

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) Total Area of Farms is the difference between the sum of area Owned, Leased from Government, Rented/Leased from Others, Crop Shared from Others, and Used through Other Arrangements minus Total Area of Land Used by Others. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 2.1: Farm Land Area Classified by Tenure, 2016

	Total Area of Farms (1)		Owned		Leased from Governments		Rented/Leased from Others		Crop Shared from Others		Used Through Other Arrangements		Total Area Used by Others	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>13,097</b>	<b>12,295,862</b>	<b>12,477</b>	<b>7,511,887</b>	<b>1,363</b>	<b>1,350,280</b>	<b>5,143</b>	<b>3,643,921</b>	<b>1,115</b>	<b>387,002</b>	<b>655</b>	<b>143,854</b>	<b>2,451</b>	<b>741,082</b>
Beaver County	631	675,571	605	463,469	50	26,670	269	199,750	70	30,559	30	5,203	132	50,080
Brazeau County	426	288,437	421	171,168	51	67,508	103	51,934	22	4,623	26	5,155	72	11,951
Camrose County	962	828,213	902	568,391	35	8,324	425	260,861	110	42,919	42	5,828	215	58,110
Clearwater County	1,013	674,831	964	298,858	170	271,028	302	105,598	93	18,566	63	8,796	157	28,015
Edmonton	133	68,033	108	39,877	7	6,054	40	20,886	7	2,340	16	551	16	1,675
Flagstaff County	638	971,638	599	639,882	42	21,702	320	323,206	79	43,836	30	10,603	122	67,591
Lamont County	689	583,418	666	335,626	54	67,573	267	184,027	76	23,752	28	4,099	125	31,659
Leduc County	1,088	531,518	1,058	317,754	41	8,694	408	217,782	68	14,552	46	5,747	209	33,011
Minburn County No. 27	594	719,024	568	465,510	33	22,468	279	246,716	56	24,081	13	2,678	119	42,429
Parkland County	679	375,449	654	219,768	57	20,770	247	135,607	49	10,763	39	7,634	110	19,093
Provost No. 52	410	883,849	383	556,319	135	126,780	184	204,842	45	26,429	18	13,712	72	44,233
Smoky Lake County	419	455,656	405	245,475	88	113,188	159	100,388	39	10,253	25	5,162	65	18,810
St. Paul County No. 19	680	733,009	648	413,564	136	161,908	261	182,278	51	11,184	35	7,848	125	43,773
Strathcona County	579	224,475	551	125,748	31	4,863	168	89,570	39	11,180	39	4,276	91	11,162
Sturgeon County	730	479,508	695	246,219	48	12,576	281	214,807	74	20,959	39	7,067	117	22,120
Thorhild County No. 7	382	319,421	367	184,061	42	44,632	148	92,221	15	6,803	23	8,371	68	16,667
Two Hills County No. 21	503	522,206	479	338,771	26	39,464	212	147,364	59	21,669	16	3,599	110	28,661
Vermilion River County	1,052	1,379,867	997	907,090	138	105,356	494	424,961	77	33,480	55	14,168	235	105,188
Wainwright No. 61	535	966,395	489	608,051	99	153,013	259	247,317	30	15,378	26	14,877	129	72,241
Wetaskiwin County No. 10	954	615,344	918	366,286	80	67,709	317	193,806	56	13,676	46	8,480	162	34,613
<b>Red Deer</b>	<b>8,439</b>	<b>11,156,409</b>	<b>7,914</b>	<b>6,444,342</b>	<b>1,106</b>	<b>2,218,390</b>	<b>3,256</b>	<b>2,601,140</b>	<b>670</b>	<b>320,144</b>	<b>386</b>	<b>112,749</b>	<b>1,660</b>	<b>540,356</b>
Kneehill County	700	830,836	648	497,459	44	26,557	314	274,181	113	77,127	37	10,121	159	54,609
Lacombe County	1,034	683,718	966	436,010	59	35,881	386	238,356	51	20,438	43	5,314	224	52,281
Mountain View County	1,542	944,761	1,450	515,624	94	144,793	542	279,679	147	59,342	74	11,300	309	65,977
Paintearth County No. 18	402	735,163	384	544,380	50	29,632	177	175,163	25	19,217	24	9,226	80	42,455
Ponoka County	1,097	737,616	1,040	486,815	67	61,317	408	208,485	47	15,447	51	9,154	187	43,602
Red Deer County	1,460	1,022,351	1,373	615,847	94	62,479	552	384,021	115	36,199	72	9,773	336	85,968
Special Area No. 2	460	2,033,341	416	935,167	215	892,997	145	193,268	28	12,046	27	26,686	53	26,823
Special Area No. 3	448	1,525,402	422	791,475	210	514,232	174	228,553	34	23,921	14	13,375	62	46,154
Special Area No. 4	284	1,017,378	264	576,725	142	315,755	116	141,385	13	4,187	12	3,561	32	24,235
Starland County	309	637,609	295	425,846	46	48,363	141	176,002	29	20,644	7	6,486	71	39,732
Stettler County No. 6	703	988,234	656	618,994	85	86,384	301	302,047	68	31,576	25	7,753	147	58,520

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) Total Area of Farms is the difference between the sum of area Owned, Leased from Government, Rented/Leased from Others, Crop Shared from Others, and Used through Other Arrangements minus Total Area of Land Used by Others. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 2.1: Farm Land Area Classified by Tenure, 2016**

	Total Area of Farms (1)		Owned		Leased from Governments		Rented/Leased from Others		Crop Shared from Others		Used Through Other Arrangements		Total Area Used by Others	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>9,584</b>	<b>16,490,911</b>	<b>8,826</b>	<b>8,984,876</b>	<b>1,400</b>	<b>4,135,792</b>	<b>3,470</b>	<b>3,331,114</b>	<b>869</b>	<b>556,603</b>	<b>497</b>	<b>164,551</b>	<b>1,524</b>	<b>682,025</b>
Bighorn No. 8	54	143,392	49	45,734	24	65,233	17	33,750	1	X	3	X	7	1,995
Calgary	145	107,681	114	47,385	11	18,985	41	40,255	14	8,132	15	277	18	7,353
Cardston County	475	999,926	441	656,262	68	128,603	204	221,057	26	8,596	29	9,851	57	24,443
Cypress County	805	2,293,124	748	957,895	259	1,088,117	235	254,154	52	37,813	34	16,987	100	61,842
Foothills No. 31	1,083	916,837	1,013	454,407	115	247,364	322	209,623	105	46,169	72	14,555	158	55,281
Forty Mile County No. 8	498	1,795,795	454	981,110	132	511,110	211	277,256	67	78,778	15	11,456	85	63,915
Lethbridge County	906	752,240	820	546,866	61	32,131	288	175,512	60	26,254	38	5,261	117	33,784
Newell County	668	1,458,747	614	623,209	72	640,841	259	206,789	31	11,216	30	10,858	108	34,166
Pincher Creek No. 9	439	682,345	416	362,385	101	147,343	167	179,757	24	8,796	26	13,787	69	29,723
Ranchland No. 66	68	403,227	47	100,620	37	294,341	12	9,330	3	X	3	X	9	2,540
Rocky View County	1,135	1,067,006	1,071	601,627	86	154,680	384	315,631	99	41,063	65	14,616	187	60,611
Taber	633	994,664	574	630,403	101	192,298	271	211,512	35	21,481	29	5,179	155	66,209
Vulcan County	608	1,480,777	555	864,363	78	190,799	273	383,289	118	108,051	26	10,452	108	76,177
Warner County No. 5	462	1,130,210	432	717,422	99	207,546	177	208,308	50	42,967	22	6,271	80	52,304
Wheatland County	810	1,130,720	746	743,812	21	17,453	330	345,347	96	68,412	33	12,005	134	56,309
Willow Creek No. 26	795	1,134,220	732	651,376	135	198,948	279	259,544	88	47,855	57	31,870	132	55,373

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) Total Area of Farms is the difference between the sum of area Owned, Leased from Government, Rented/Leased from Others, Crop Shared from Others, and Used through Other Arrangements minus Total Area of Land Used by Others. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 3.1: Farms Classified by Total Farm Area, 2016**

	Total # of Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,599 Acres	1,600-2,239 Acres	2,240-2,879 Acres	2,880-3,519 Acres	3,520 Acres and Over
<b>Alberta</b>	<b>40,638</b>	<b>1,018</b>	<b>3,702</b>	<b>2,824</b>	<b>6,045</b>	<b>1,289</b>	<b>4,918</b>	<b>3,257</b>	<b>2,947</b>	<b>3,565</b>	<b>3,012</b>	<b>2,529</b>	<b>1,497</b>	<b>1,027</b>	<b>3,008</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>15</b>	<b>34</b>	<b>35</b>	<b>179</b>	<b>24</b>	<b>139</b>	<b>129</b>	<b>117</b>	<b>110</b>	<b>103</b>	<b>98</b>	<b>42</b>	<b>29</b>	<b>80</b>
Mackenzie County	610	5	20	16	110	11	79	82	69	55	54	54	13	13	29
Northern Lights County	375	6	8	11	45	10	47	40	41	40	35	31	19	12	30
Northern Sunrise County	149	4	6	8	24	3	13	7	7	15	14	13	10	4	21
<b>Lower Athabasca</b>	<b>894</b>	<b>11</b>	<b>41</b>	<b>45</b>	<b>145</b>	<b>29</b>	<b>111</b>	<b>83</b>	<b>74</b>	<b>105</b>	<b>79</b>	<b>56</b>	<b>34</b>	<b>26</b>	<b>55</b>
Bonnyville No. 87	650	8	31	34	110	20	82	65	57	72	58	38	20	16	39
Lac la Biche County	238	3	9	11	33	9	26	18	17	33	21	18	14	10	16
Wood Buffalo	6	0	1	0	2	0	3	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3,347</b>	<b>36</b>	<b>146</b>	<b>126</b>	<b>508</b>	<b>84</b>	<b>428</b>	<b>268</b>	<b>264</b>	<b>343</b>	<b>318</b>	<b>285</b>	<b>156</b>	<b>116</b>	<b>269</b>
Birch Hills County	182	1	1	8	15	3	8	15	11	26	22	18	11	6	37
Clear Hills	390	6	8	4	65	7	68	35	28	35	32	41	17	13	31
Fairview No. 136	202	1	5	9	31	6	17	15	14	9	28	25	9	13	20
Grande Prairie County No. 1	1,113	17	70	63	210	32	143	97	90	108	82	78	47	33	43
Greenview No. 16	534	4	29	19	86	17	85	42	48	64	49	31	16	10	34
Peace No. 135	129	0	7	4	14	4	14	12	7	9	16	10	10	6	16
Saddle Hills County	381	2	11	7	40	8	58	32	43	46	43	29	16	15	31
Smoky River No. 130	306	5	8	8	28	5	28	12	13	33	36	44	25	16	45
Spirit River No. 133	110	0	7	4	19	2	7	8	10	13	10	9	5	4	12
<b>Upper Athabasca</b>	<b>4,143</b>	<b>59</b>	<b>288</b>	<b>288</b>	<b>714</b>	<b>138</b>	<b>606</b>	<b>380</b>	<b>344</b>	<b>460</b>	<b>308</b>	<b>235</b>	<b>121</b>	<b>67</b>	<b>135</b>
Athabasca County	650	7	30	56	92	27	98	62	53	77	45	46	20	12	25
Barrhead County No. 11	681	12	48	50	127	20	96	58	49	83	56	37	20	11	14
Big Lakes	306	5	8	11	41	6	38	36	28	32	28	36	12	4	21
Lac Ste. Anne County	794	11	65	58	159	28	116	79	79	82	51	33	13	6	14
Lesser Slave River No. 124	131	0	1	8	19	6	19	12	14	19	13	8	2	5	5
Westlock County	744	14	66	35	113	30	113	63	54	85	61	40	22	14	34
Woodlands County	226	1	23	17	40	5	37	21	18	16	18	12	9	3	6
Yellowhead County	611	9	47	53	123	16	89	49	49	66	36	23	23	12	16

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 3.1: Farms Classified by Total Farm Area, 2016**

	Total # of Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,599 Acres	1,600-2,239 Acres	2,240-2,879 Acres	2,880-3,519 Acres	3,520 Acres and Over
<b>North Saskatchewan</b>	<b>13,097</b>	<b>332</b>	<b>1,267</b>	<b>1,112</b>	<b>1,942</b>	<b>455</b>	<b>1,712</b>	<b>1,120</b>	<b>958</b>	<b>1,144</b>	<b>948</b>	<b>750</b>	<b>419</b>	<b>300</b>	<b>638</b>
Beaver County	631	9	51	32	73	29	90	57	49	57	51	50	22	25	36
Brazeau County	426	7	40	48	92	13	76	43	32	27	24	11	3	3	7
Camrose County	962	17	112	75	130	28	116	80	71	89	80	60	47	25	32
Clearwater County	1,013	39	56	86	252	44	157	115	64	79	49	30	14	11	17
Edmonton	133	36	24	13	18	3	13	6	5	4	2	3	2	2	2
Flagstaff County	638	12	25	17	57	10	65	42	44	77	88	64	47	35	55
Lamont County	689	7	52	73	99	29	116	77	48	60	43	29	20	8	28
Leduc County	1,088	36	138	161	189	51	156	100	74	69	51	31	15	6	11
Minburn County No. 27	594	7	31	29	57	27	82	52	47	71	50	48	32	20	41
Parkland County	679	40	137	78	98	29	69	47	42	55	31	23	7	6	17
Provost No. 52	410	2	11	12	42	3	35	29	20	42	34	45	32	33	70
Smoky Lake County	419	2	19	33	68	18	55	36	41	40	26	26	13	9	33
St. Paul County No. 19	680	8	36	53	86	17	86	73	68	86	50	40	20	17	40
Strathcona County	579	31	208	72	77	34	56	26	15	14	19	12	3	2	10
Sturgeon County	730	26	99	129	90	36	94	50	42	46	35	39	17	4	23
Thorhild County No. 7	382	1	22	32	79	6	55	31	34	41	36	19	4	6	16
Two Hills County No. 21	503	4	31	26	78	9	58	55	49	52	50	42	11	14	24
Vermilion River County	1,052	18	54	37	124	29	134	77	89	91	104	100	65	41	89
Wainwright No. 61	535	7	27	15	53	12	52	31	42	66	65	48	28	25	64
Wetaskiwin County No. 10	954	23	94	91	180	28	147	93	82	78	60	30	17	8	23
<b>Red Deer</b>	<b>8,439</b>	<b>225</b>	<b>823</b>	<b>508</b>	<b>1,369</b>	<b>251</b>	<b>917</b>	<b>624</b>	<b>607</b>	<b>673</b>	<b>643</b>	<b>530</b>	<b>319</b>	<b>207</b>	<b>743</b>
Kneehill County	700	21	82	27	69	22	64	57	60	56	67	70	29	30	46
Lacombe County	1,034	32	142	85	179	34	153	79	81	81	65	48	18	10	27
Mountain View County	1,542	50	175	149	381	52	187	100	111	129	76	61	19	18	34
Paintearth County No. 18	402	6	16	9	46	9	37	22	24	40	39	43	36	18	57
Ponoka County	1,097	37	130	82	180	37	156	118	91	91	70	40	36	3	26
Red Deer County	1,460	53	195	113	285	60	156	111	101	106	101	70	44	24	41
Special Area No. 2	460	3	9	7	35	8	35	15	26	35	42	29	37	20	159
Special Area No. 3	448	4	7	1	36	4	22	21	29	26	47	49	29	31	142
Special Area No. 4	284	2	8	2	27	1	14	14	14	16	27	28	15	22	94
Starland County	309	5	12	10	32	6	26	14	18	29	44	33	22	14	44
Stettler County No. 6	703	12	47	23	99	18	67	73	52	64	65	59	34	17	73

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0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 3.1: Farms Classified by Total Farm Area, 2016**

	Total # of Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,599 Acres	1,600-2,239 Acres	2,240-2,879 Acres	2,880-3,519 Acres	3,520 Acres and Over
<b>South Saskatchewan</b>	<b>9,584</b>	<b>340</b>	<b>1,103</b>	<b>710</b>	<b>1,188</b>	<b>308</b>	<b>1,005</b>	<b>653</b>	<b>583</b>	<b>730</b>	<b>613</b>	<b>575</b>	<b>406</b>	<b>282</b>	<b>1,088</b>
Bighorn No. 8	54	2	6	1	12	0	4	2	5	4	1	2	1	2	12
Calgary	145	43	17	11	16	2	12	4	10	9	10	4	2	0	5
Cardston County	475	10	58	38	42	16	46	42	30	40	33	31	25	8	56
Cypress County	805	34	57	57	98	22	74	34	45	51	47	53	42	40	151
Foothills No. 31	1,083	46	227	110	171	53	119	62	51	64	41	41	22	21	55
Forty Mile County No. 8	498	6	20	9	32	9	32	39	31	35	40	49	42	27	127
Lethbridge County	906	52	110	104	141	31	112	85	62	60	57	25	20	14	33
Newell County	668	16	56	44	62	27	93	61	60	64	39	35	20	14	77
Pincher Creek No. 9	439	5	36	25	69	16	50	29	38	32	31	23	14	20	51
Ranchland No. 66	68	4	10	4	6	0	4	3	1	2	3	0	4	1	26
Rocky View County	1,135	38	213	114	168	48	136	55	60	77	58	53	33	16	66
Taber	633	14	55	49	75	22	64	52	43	63	39	45	26	22	64
Vulcan County	608	10	41	18	64	9	46	41	31	53	51	57	41	29	117
Warner County No. 5	462	11	38	23	21	8	45	37	29	31	36	51	26	21	85
Wheatland County	810	26	91	57	86	18	78	54	42	73	69	63	42	24	87
Willow Creek No. 26	795	23	68	46	125	27	90	53	45	72	58	43	46	23	76

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 4.1: Farms Classified by Type of Organic Production, 2016**

	Organic Production (Certified or Transitional)	Certified Organic Production	Transitional Organic Production
	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>424</b>	<b>354</b>	<b>97</b>
<b>Lower Peace</b>	<b>162</b>	<b>132</b>	<b>41</b>
Mackenzie County	150	123	36
Northern Lights County	12	9	5
Northern Sunrise County	0	0	0
<b>Lower Athabasca</b>	<b>5</b>	<b>5</b>	<b>1</b>
Bonnyville No. 87	1	1	1
Lac la Biche County	4	4	0
Wood Buffalo	0	0	0
<b>Upper Peace</b>	<b>34</b>	<b>30</b>	<b>6</b>
Birch Hills County	3	2	1
Clear Hills	7	5	3
Fairview No. 136	1	1	0
Grande Prairie County No. 1	7	7	0
Greenview No. 16	4	3	2
Peace No. 135	4	4	0
Saddle Hills County	6	6	0
Smoky River No. 130	1	1	0
Spirit River No. 133	1	1	0
<b>Upper Athabasca</b>	<b>49</b>	<b>38</b>	<b>15</b>
Athabasca County	12	9	3
Barrhead County No. 11	11	8	4
Big Lakes	6	5	1
Lac Ste. Anne County	6	5	2
Lesser Slave River No. 124	1	1	0
Westlock County	10	8	4
Woodlands County	2	2	0
Yellowhead County	1	0	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 4.1: Farms Classified by Type of Organic Production, 2016**

	Organic Production (Certified or Transitional)	Certified Organic Production	Transitional Organic Production
	# Farms	# Farms	# Farms
<b>North Saskatchewan</b>	<b>65</b>	<b>53</b>	<b>14</b>
Beaver County	4	3	1
Brazeau County	1	1	0
Camrose County	8	6	2
Clearwater County	5	4	2
Edmonton	0	0	0
Flagstaff County	2	1	1
Lamont County	5	5	0
Leduc County	4	2	2
Minburn County No. 27	2	2	0
Parkland County	4	3	1
Provost No. 52	0	0	0
Smoky Lake County	4	3	1
St. Paul County No. 19	0	0	0
Strathcona County	1	1	0
Sturgeon County	9	7	2
Thorhild County No. 7	4	4	0
Two Hills County No. 21	3	3	0
Vermilion River County	2	2	1
Wainwright No. 61	0	0	0
Wetaskiwin County No. 10	7	6	1
<b>Red Deer</b>	<b>44</b>	<b>38</b>	<b>8</b>
Kneehill County	4	3	1
Lacombe County	1	1	1
Mountain View County	4	2	2
Paintearth County No. 18	4	4	1
Ponoka County	3	3	0
Red Deer County	7	5	2
Special Area No. 2	2	2	0
Special Area No. 3	8	7	1
Special Area No. 4	6	6	0
Starland County	1	1	0
Stettler County No. 6	4	4	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 4.1: Farms Classified by Type of Organic Production, 2016**

	Organic Production (Certified or Transitional)	Certified Organic Production	Transitional Organic Production
	# Farms	# Farms	# Farms
<b>South Saskatchewan</b>	<b>65</b>	<b>58</b>	<b>12</b>
Bighorn No. 8	0	0	0
Calgary	2	0	2
Cardston County	2	2	0
Cypress County	8	8	1
Foothills No. 31	6	6	0
Forty Mile County No. 8	4	4	1
Lethbridge County	11	10	3
Newell County	1	0	1
Pincher Creek No. 9	4	4	0
Ranchland No. 66	0	0	0
Rocky View County	3	3	0
Taber	9	9	0
Vulcan County	2	1	1
Warner County No. 5	2	0	2
Wheatland County	8	8	1
Willow Creek No. 26	3	3	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 5.1: Field Crops Grown, 2016

	Total Wheat		Spring Wheat		Durum Wheat		Winter Wheat		Oats		Barley	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>11,634</b>	<b>7,008,542</b>	<b>10,438</b>	<b>5,728,527</b>	<b>1,619</b>	<b>1,101,498</b>	<b>520</b>	<b>178,517</b>	<b>6,327</b>	<b>822,185</b>	<b>10,222</b>	<b>3,413,856</b>
<b>Lower Peace</b>	<b>378</b>	<b>216,640</b>	<b>362</b>	<b>212,926</b>	<b>12</b>	<b>X</b>	<b>7</b>	<b>X</b>	<b>368</b>	<b>69,510</b>	<b>218</b>	<b>61,420</b>
Mackenzie County	201	68,991	194	67,323	5	909	5	759	262	52,983	122	24,231
Northern Lights County	118	92,300	112	90,874	5	X	1	X	85	14,006	85	31,541
Northern Sunrise County	59	55,349	56	54,729	2	X	1	X	21	2,521	11	5,648
<b>Lower Athabasca</b>	<b>118</b>	<b>47,100</b>	<b>108</b>	<b>45,598</b>	<b>10</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>235</b>	<b>X</b>	<b>143</b>	<b>X</b>
Bonnyville No. 87	87	34,710	78	X	9	1,338	1	X	159	17,149	115	23,576
Lac la Biche County	31	12,390	30	X	1	X	0	0	75	12,068	27	6,070
Wood Buffalo	0	0	0	0	0	0	0	0	1	X	1	X
<b>Upper Peace</b>	<b>980</b>	<b>695,385</b>	<b>949</b>	<b>672,827</b>	<b>22</b>	<b>17,342</b>	<b>20</b>	<b>5,216</b>	<b>629</b>	<b>111,562</b>	<b>550</b>	<b>191,212</b>
Birch Hills County	94	82,982	92	X	2	X	0	0	19	3,557	38	25,842
Clear Hills	68	46,722	65	43,846	3	2,876	0	0	105	21,311	79	20,883
Fairview No. 136	87	66,825	84	63,925	3	X	1	X	30	6,341	25	7,440
Grande Prairie County No. 1	231	109,731	224	106,305	5	2,781	3	645	172	23,207	230	73,873
Greenview No. 16	81	57,714	77	56,923	2	X	3	X	140	20,410	49	17,914
Peace No. 135	44	22,505	42	X	2	X	1	X	23	4,324	17	3,559
Saddle Hills County	119	81,914	114	80,470	2	X	7	X	96	23,632	46	17,269
Smoky River No. 130	207	194,602	203	189,092	2	X	2	X	23	3,734	43	16,940
Spirit River No. 133	49	32,390	48	31,260	1	X	3	X	21	5,046	23	7,492
<b>Upper Athabasca</b>	<b>796</b>	<b>322,262</b>	<b>753</b>	<b>311,720</b>	<b>35</b>	<b>7,567</b>	<b>14</b>	<b>2,975</b>	<b>951</b>	<b>X</b>	<b>892</b>	<b>X</b>
Athabasca County	124	52,867	113	51,037	9	1,177	3	653	190	21,315	123	25,195
Barrhead County No. 11	190	70,720	184	69,466	5	1,007	3	247	102	9,893	206	49,078
Big Lakes	53	29,340	51	X	2	X	0	0	57	6,603	40	8,617
Lac Ste. Anne County	79	24,953	75	24,648	3	X	1	X	205	20,241	128	19,486
Lesser Slave River No. 124	17	7,517	16	X	2	X	0	0	35	4,806	13	2,039
Westlock County	262	116,683	249	111,850	10	2,913	5	1,920	149	19,504	265	61,880
Woodlands County	29	7,150	25	6,640	3	X	1	X	52	4,098	31	5,626
Yellowhead County	42	13,032	40	X	1	X	1	X	161	X	86	X

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Table 5.1: Field Crops Grown, 2016

	Total Wheat		Spring Wheat		Durum Wheat		Winter Wheat		Oats		Barley	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>3,933</b>	<b>1,929,715</b>	<b>3,778</b>	<b>1,880,947</b>	<b>139</b>	<b>38,865</b>	<b>59</b>	<b>9,903</b>	<b>2,320</b>	<b>274,897</b>	<b>3,378</b>	<b>897,311</b>
Beaver County	266	143,766	259	141,412	7	2,227	4	127	91	11,709	131	34,454
Brazeau County	16	1,479	14	X	0	0	2	X	117	13,492	31	4,034
Camrose County	417	187,558	408	183,430	9	X	3	X	114	9,809	339	103,574
Clearwater County	40	5,115	33	4,835	1	X	6	X	202	12,149	163	21,237
Edmonton	27	12,344	26	X	1	X	0	0	6	952	16	4,060
Flagstaff County	394	257,043	385	251,929	10	X	2	X	100	14,317	254	84,591
Lamont County	266	116,454	259	115,166	9	X	2	X	101	12,260	212	54,113
Leduc County	277	83,242	262	80,756	15	X	1	X	172	16,619	298	59,886
Minburn County No. 27	301	153,556	291	151,971	10	X	2	X	124	17,935	194	58,898
Parkland County	82	31,922	78	30,877	4	X	2	X	142	13,114	131	31,766
Provost No. 52	156	99,311	150	92,574	9	5,797	3	940	115	20,644	130	49,145
Smoky Lake County	109	38,508	101	37,061	8	1,447	0	0	90	10,466	93	21,149
St. Paul County No. 19	124	41,869	113	38,496	8	2,935	4	438	167	24,887	186	50,866
Strathcona County	90	52,775	82	51,016	7	X	2	X	35	2,065	56	15,035
Sturgeon County	252	110,630	238	107,820	9	1,877	7	933	107	14,353	180	48,168
Thorhild County No. 7	101	43,562	96	42,238	4	X	1	X	75	10,361	109	24,892
Two Hills County No. 21	191	89,211	185	86,051	7	X	2	X	107	13,470	182	49,496
Vermilion River County	405	225,534	397	223,172	7	1,548	6	814	179	24,513	290	82,634
Wainwright No. 61	225	159,941	218	158,395	7	X	2	X	110	20,469	143	48,738
Wetaskiwin County No. 10	194	75,895	183	71,116	7	3,159	8	1,620	166	11,313	240	50,575
<b>Red Deer</b>	<b>2,334</b>	<b>1,342,640</b>	<b>2,118</b>	<b>1,140,633</b>	<b>278</b>	<b>185,906</b>	<b>67</b>	<b>16,101</b>	<b>1,191</b>	<b>153,243</b>	<b>2,572</b>	<b>847,147</b>
Kneehill County	355	205,693	340	198,445	23	6,923	3	325	49	4,209	316	139,834
Lacombe County	270	101,594	251	91,281	19	7,535	12	2,778	84	9,333	338	89,475
Mountain View County	271	96,299	259	94,286	9	1,488	7	525	172	11,850	442	118,334
Paintearth County No. 18	138	87,679	133	85,454	6	X	1	X	131	22,563	100	34,695
Ponoka County	174	73,987	162	65,783	14	6,894	6	1,310	182	17,225	339	73,818
Red Deer County	356	137,243	325	127,391	27	8,236	7	1,616	128	9,286	483	150,080
Special Area No. 2	102	68,891	89	50,039	23	X	9	X	113	23,333	79	26,382
Special Area No. 3	248	230,359	159	102,670	130	123,904	14	3,785	71	14,673	69	28,972
Special Area No. 4	105	94,319	99	84,461	13	X	2	X	92	20,615	66	26,618
Starland County	153	133,636	149	131,515	5	1,380	4	741	40	3,604	151	78,553
Stettler County No. 6	162	112,940	152	109,308	9	X	2	X	129	16,552	189	80,386

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**Table 5.1: Field Crops Grown, 2016**

	Total Wheat		Spring Wheat		Durum Wheat		Winter Wheat		Oats		Barley	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>3,095</b>	<b>2,454,800</b>	<b>2,370</b>	<b>1,463,876</b>	<b>1,123</b>	<b>847,515</b>	<b>352</b>	<b>143,409</b>	<b>633</b>	<b>81,883</b>	<b>2,469</b>	<b>1,191,106</b>
Bighorn No. 8	1	X	1	X	0	0	0	0	2	X	2	X
Calgary	18	5,903	14	X	4	X	0	0	11	3,907	35	16,027
Cardston County	112	147,128	91	101,405	23	23,787	36	21,936	35	7,719	126	88,655
Cypress County	220	166,644	157	92,061	104	68,672	17	5,911	46	5,955	92	32,413
Foothills No. 31	135	86,597	123	82,874	7	1,995	9	1,728	85	8,163	196	70,715
Forty Mile County No. 8	335	369,156	195	115,547	244	237,277	30	16,332	25	3,506	126	59,905
Lethbridge County	373	191,295	253	111,562	131	61,816	67	17,917	31	3,594	307	92,621
Newell County	227	114,047	203	90,668	34	17,640	13	5,739	36	4,342	129	44,051
Pincher Creek No. 9	44	28,181	33	20,508	0	0	21	7,673	52	4,405	96	52,865
Ranchland No. 66	3	X	2	X	1	X	0	0	1	X	4	X
Rocky View County	199	110,272	190	105,212	8	3,950	4	1,110	84	12,013	293	129,546
Taber	311	215,892	227	109,960	143	85,866	54	20,066	37	2,643	172	63,682
Vulcan County	359	344,401	286	214,188	161	122,487	22	7,726	48	5,701	245	188,258
Warner County No. 5	242	275,827	130	65,909	198	182,024	49	27,894	27	6,343	159	91,844
Wheatland County	365	290,433	352	276,942	24	10,261	11	3,230	39	4,562	283	152,705
Willow Creek No. 26	151	108,127	113	71,577	41	30,403	19	6,147	74	8,846	204	106,851

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Table 5.2: Field Crops Grown, 2016

	Mixed Grains		Corn for Grain		Buckwheat		Total Rye		Fall Rye		Spring Rye	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>1,386</b>	<b>242,206</b>	<b>170</b>	<b>40,884</b>	<b>16</b>	<b>410</b>	<b>428</b>	<b>67,215</b>	<b>379</b>	<b>62,089</b>	<b>53</b>	<b>5,126</b>
<b>Lower Peace</b>	<b>19</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>5</b>	<b>795</b>	<b>3</b>	<b>X</b>	<b>2</b>	<b>X</b>
Mackenzie County	12	2,649	0	0	0	0	2	X	2	X	0	0
Northern Lights County	4	X	1	X	3	X	3	X	1	X	2	X
Northern Sunrise County	3	450	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>36</b>	<b>5,762</b>	<b>3</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	27	4,201	3	X	0	0	2	X	1	X	1	X
Lac la Biche County	9	1,561	0	0	0	0	0	0	0	0	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>46</b>	<b>8,517</b>	<b>4</b>	<b>1,740</b>	<b>3</b>	<b>101</b>	<b>23</b>	<b>4,478</b>	<b>22</b>	<b>X</b>	<b>2</b>	<b>X</b>
Birch Hills County	1	X	0	0	0	0	0	0	0	0	0	0
Clear Hills	8	2,940	0	0	0	0	3	340	3	340	0	0
Fairview No. 136	4	854	2	X	0	0	2	X	2	X	0	0
Grande Prairie County No. 1	12	1,900	2	X	2	X	9	975	9	X	1	X
Greenview No. 16	7	653	0	0	0	0	2	X	2	X	0	0
Peace No. 135	3	615	0	0	0	0	1	X	1	X	0	0
Saddle Hills County	9	1,340	0	0	0	0	3	250	3	250	0	0
Smoky River No. 130	0	0	0	0	0	0	1	X	1	X	0	0
Spirit River No. 133	2	X	0	0	1	X	2	X	1	X	1	X
<b>Upper Athabasca</b>	<b>133</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>X</b>	<b>36</b>	<b>X</b>	<b>29</b>	<b>2,688</b>	<b>7</b>	<b>X</b>
Athabasca County	13	3,339	0	0	0	0	5	X	5	X	0	0
Barrhead County No. 11	16	3,495	0	0	1	X	3	130	2	X	1	X
Big Lakes	2	X	0	0	0	0	4	821	4	821	0	0
Lac Ste. Anne County	37	5,660	0	0	0	0	6	219	5	X	1	X
Lesser Slave River No. 124	5	2,589	0	0	0	0	0	0	0	0	0	0
Westlock County	28	5,338	0	0	0	0	10	713	6	X	4	X
Woodlands County	9	1,569	0	0	0	0	4	403	4	403	0	0
Yellowhead County	23	7,650	0	0	0	0	4	123	3	X	1	X

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Table 5.2: Field Crops Grown, 2016

	Mixed Grains		Corn for Grain		Buckwheat		Total Rye		Fall Rye		Spring Rye	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>454</b>	<b>76,603</b>	<b>28</b>	<b>2,381</b>	<b>5</b>	<b>X</b>	<b>123</b>	<b>16,041</b>	<b>105</b>	<b>14,733</b>	<b>19</b>	<b>1,308</b>
Beaver County	24	3,934	2	X	2	X	3	123	3	123	0	0
Brazeau County	7	1,036	1	X	0	0	5	94	5	94	0	0
Camrose County	34	4,196	4	202	1	X	7	1,888	6	X	2	X
Clearwater County	32	3,167	1	X	0	0	6	579	6	579	0	0
Edmonton	1	X	0	0	0	0	1	X	0	0	1	X
Flagstaff County	30	5,627	2	X	0	0	9	1,379	9	1,379	0	0
Lamont County	15	1,838	1	X	0	0	12	1,296	9	917	3	379
Leduc County	39	4,631	3	X	0	0	3	99	3	99	0	0
Minburn County No. 27	19	2,085	1	X	0	0	5	1,048	5	1,048	0	0
Parkland County	11	1,453	1	X	0	0	10	X	9	446	1	X
Provost No. 52	35	12,284	1	X	0	0	14	2,620	13	X	1	X
Smoky Lake County	11	1,329	2	X	1	X	7	738	6	X	1	X
St. Paul County No. 19	28	4,176	1	X	0	0	2	X	1	X	1	X
Strathcona County	8	X	0	0	0	0	1	X	1	X	0	0
Sturgeon County	18	2,377	2	X	1	X	7	1,111	7	1,111	0	0
Thorhild County No. 7	7	854	0	0	0	0	1	X	0	0	1	X
Two Hills County No. 21	22	3,680	0	0	0	0	4	440	4	440	0	0
Vermilion River County	59	10,237	2	X	0	0	6	334	4	X	2	X
Wainwright No. 61	25	8,524	2	X	0	0	14	3,034	11	X	3	X
Wetaskiwin County No. 10	29	4,079	2	X	0	0	6	491	3	X	3	X
<b>Red Deer</b>	<b>491</b>	<b>78,353</b>	<b>24</b>	<b>2,738</b>	<b>1</b>	<b>X</b>	<b>100</b>	<b>X</b>	<b>89</b>	<b>17,141</b>	<b>11</b>	<b>X</b>
Kneehill County	30	4,064	1	X	0	0	4	550	4	550	0	0
Lacombe County	45	4,477	3	X	0	0	11	1,000	9	X	2	X
Mountain View County	74	8,239	2	X	1	X	10	X	9	546	1	X
Paintearth County No. 18	37	8,476	3	440	0	0	4	275	4	275	0	0
Ponoka County	69	10,290	3	560	0	0	10	733	6	X	4	X
Red Deer County	96	12,907	2	X	0	0	5	358	5	358	0	0
Special Area No. 2	25	6,447	3	X	0	0	14	3,543	12	X	2	X
Special Area No. 3	19	3,194	1	X	0	0	23	8,400	23	8,400	0	0
Special Area No. 4	25	9,715	3	590	0	0	12	2,732	10	X	2	X
Starland County	21	2,274	1	X	0	0	0	0	0	0	0	0
Stettler County No. 6	50	8,270	2	X	0	0	7	720	7	720	0	0

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Table 5.2: Field Crops Grown, 2016

	Mixed Grains		Corn for Grain		Buckwheat		Total Rye		Fall Rye		Spring Rye	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>207</b>	<b>38,767</b>	<b>110</b>	<b>33,807</b>	<b>3</b>	<b>116</b>	<b>139</b>	<b>24,007</b>	<b>130</b>	<b>22,924</b>	<b>11</b>	<b>1,083</b>
Bighorn No. 8	1	X	0	0	0	0	1	X	1	X	0	0
Calgary	1	X	0	0	0	0	5	X	4	X	1	X
Cardston County	9	1,050	1	X	0	0	0	0	0	0	0	0
Cypress County	19	3,842	5	1,590	0	0	30	6,523	29	X	2	X
Foothills No. 31	18	3,447	1	X	0	0	8	1,098	8	1,098	0	0
Forty Mile County No. 8	12	1,280	8	3,042	0	0	9	2,143	9	2,143	0	0
Lethbridge County	12	6,637	15	3,164	0	0	17	2,807	16	X	1	X
Newell County	18	3,043	31	X	0	0	8	X	6	X	2	X
Pincher Creek No. 9	13	1,465	0	0	1	X	4	271	4	271	0	0
Ranchland No. 66	1	X	0	0	0	0	0	0	0	0	0	0
Rocky View County	53	8,310	0	0	0	0	13	X	11	754	3	X
Taber	12	2,551	41	16,181	1	X	9	2,710	8	X	1	X
Vulcan County	9	1,428	4	X	0	0	14	2,822	13	X	1	X
Warner County No. 5	3	390	2	X	1	X	1	X	1	X	0	0
Wheatland County	13	2,908	0	0	0	0	5	723	5	723	0	0
Willow Creek No. 26	13	2,251	2	X	0	0	15	1,825	15	1,825	0	0

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Table 5.3: Field Crops Grown, 2016

	Corn for Silage		Alfalfa and Alfalfa Mixtures		All Other Tame Hay and Fodder		Canola		Flaxseed		Soybeans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>1,246</b>	<b>200,267</b>	<b>16,340</b>	<b>3,056,701</b>	<b>8,042</b>	<b>1,161,521</b>	<b>11,029</b>	<b>6,165,746</b>	<b>345</b>	<b>78,619</b>	<b>61</b>	<b>6,865</b>
<b>Lower Peace</b>	<b>22</b>	<b>X</b>	<b>398</b>	<b>89,223</b>	<b>210</b>	<b>34,531</b>	<b>412</b>	<b>299,846</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>
Mackenzie County	18	1,089	187	33,505	96	9,273	241	118,761	2	X	0	0
Northern Lights County	4	X	169	45,851	85	17,885	112	109,552	0	0	0	0
Northern Sunrise County	0	0	42	9,867	29	7,373	59	71,533	0	0	0	0
<b>Lower Athabasca</b>	<b>32</b>	<b>X</b>	<b>522</b>	<b>122,889</b>	<b>180</b>	<b>28,680</b>	<b>143</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	29	X	379	86,459	126	19,570	106	37,579	1	X	0	0
Lac la Biche County	3	304	139	35,960	54	9,110	36	18,391	0	0	0	0
Wood Buffalo	0	0	4	470	0	0	1	X	0	0	0	0
<b>Upper Peace</b>	<b>27</b>	<b>2,301</b>	<b>1,343</b>	<b>330,955</b>	<b>686</b>	<b>132,457</b>	<b>1,028</b>	<b>946,628</b>	<b>13</b>	<b>1,688</b>	<b>6</b>	<b>425</b>
Birch Hills County	1	X	61	17,053	14	3,081	110	149,018	1	X	0	0
Clear Hills	2	X	169	46,918	106	19,441	66	43,061	2	X	0	0
Fairview No. 136	1	X	63	17,149	27	5,027	98	99,265	0	0	0	0
Grande Prairie County No. 1	3	X	518	123,235	229	39,224	271	156,661	6	596	2	X
Greenview No. 16	8	820	237	49,491	150	32,822	73	79,474	0	0	0	0
Peace No. 135	4	169	47	8,061	28	5,596	54	35,335	0	0	2	X
Saddle Hills County	5	480	187	55,547	90	19,165	83	78,833	2	X	0	0
Smoky River No. 130	3	580	27	7,689	29	4,336	225	259,729	2	X	1	X
Spirit River No. 133	0	0	34	5,812	13	3,765	48	45,252	0	0	1	X
<b>Upper Athabasca</b>	<b>94</b>	<b>9,213</b>	<b>1,837</b>	<b>327,675</b>	<b>1,128</b>	<b>163,083</b>	<b>923</b>	<b>X</b>	<b>7</b>	<b>684</b>	<b>3</b>	<b>909</b>
Athabasca County	11	472	322	62,995	175	27,281	163	68,885	2	X	0	0
Barrhead County No. 11	30	3,457	296	42,598	149	14,059	233	92,394	0	0	2	X
Big Lakes	4	265	118	27,583	112	32,814	48	38,843	0	0	0	0
Lac Ste. Anne County	14	992	424	85,149	176	26,853	86	27,263	2	X	0	0
Lesser Slave River No. 124	1	X	63	11,706	42	4,210	14	7,849	0	0	0	0
Westlock County	29	2,882	269	39,371	160	17,043	312	148,854	3	186	1	X
Woodlands County	2	X	109	16,135	72	9,925	24	7,116	0	0	0	0
Yellowhead County	3	X	236	42,138	242	30,898	43	X	0	0	0	0

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Table 5.3: Field Crops Grown, 2016

	Corn for Silage		Alfalfa and Alfalfa Mixtures		All Other Tame Hay and Fodder		Canola		Flaxseed		Soybeans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>416</b>	<b>48,565</b>	<b>4,846</b>	<b>741,401</b>	<b>2,758</b>	<b>329,073</b>	<b>4,233</b>	<b>2,142,530</b>	<b>69</b>	<b>12,725</b>	<b>18</b>	<b>1,149</b>
Beaver County	21	X	176	23,468	126	14,005	289	164,325	5	977	0	0
Brazeau County	6	X	189	26,014	155	22,688	5	557	1	X	0	0
Camrose County	35	1,816	274	29,097	155	15,646	474	216,301	12	1,957	0	0
Clearwater County	2	X	431	59,766	404	51,697	42	7,969	0	0	0	0
Edmonton	1	X	29	4,246	16	1,073	25	9,156	0	0	0	0
Flagstaff County	24	X	151	20,232	79	7,729	407	233,293	12	2,174	2	X
Lamont County	11	X	229	33,646	144	11,554	282	133,493	3	540	1	X
Leduc County	27	X	490	62,535	201	18,887	277	81,322	3	X	1	X
Minburn County No. 27	34	X	184	27,560	71	8,804	319	191,190	4	714	3	X
Parkland County	18	X	278	39,408	145	18,278	91	35,114	0	0	1	X
Provost No. 52	18	X	191	50,602	61	11,617	156	91,104	3	X	1	X
Smoky Lake County	15	X	213	38,680	82	14,016	136	65,327	1	X	1	X
St. Paul County No. 19	26	X	343	73,194	140	22,582	163	63,380	0	0	0	0
Strathcona County	7	470	189	18,816	115	9,477	90	52,916	1	X	2	X
Sturgeon County	14	X	231	29,829	129	13,417	247	129,182	2	X	3	65
Thorhild County No. 7	8	906	173	28,708	81	7,546	131	59,559	0	0	0	0
Two Hills County No. 21	13	1,552	207	32,735	83	10,643	224	109,723	4	893	0	0
Vermilion River County	91	X	330	64,187	204	27,179	435	255,773	6	1,295	2	X
Wainwright No. 61	30	X	182	34,647	82	12,558	220	159,385	7	1,250	1	X
Wetaskiwin County No. 10	15	X	356	44,031	285	29,677	220	83,461	5	819	0	0
<b>Red Deer</b>	<b>327</b>	<b>45,442</b>	<b>3,500</b>	<b>716,497</b>	<b>1,615</b>	<b>239,617</b>	<b>2,243</b>	<b>1,043,520</b>	<b>63</b>	<b>16,481</b>	<b>8</b>	<b>647</b>
Kneehill County	13	X	202	24,825	92	9,593	359	202,121	9	1,950	2	X
Lacombe County	61	X	369	45,917	188	18,704	290	101,977	4	X	2	X
Mountain View County	20	X	642	84,307	347	42,778	325	101,016	2	X	0	0
Paintearth County No. 18	19	2,976	180	48,532	86	19,423	127	70,944	12	3,675	0	0
Ponoka County	66	9,206	438	53,638	238	24,898	243	84,821	1	X	0	0
Red Deer County	45	X	594	80,772	307	35,296	386	143,988	1	X	0	0
Special Area No. 2	28	X	255	108,131	77	23,983	52	30,642	4	X	0	0
Special Area No. 3	12	X	208	116,892	59	17,978	54	33,974	1	X	1	X
Special Area No. 4	24	7,321	150	51,341	45	14,342	78	50,934	5	1,455	1	X
Starland County	11	X	120	27,248	38	8,547	147	116,519	19	5,890	1	X
Stettler County No. 6	28	X	342	74,894	138	24,075	182	106,584	5	X	1	X

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Table 5.3: Field Crops Grown, 2016

	Corn for Silage		Alfalfa and Alfalfa Mixtures		All Other Tame Hay and Fodder		Canola		Flaxseed		Soybeans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>328</b>	<b>89,352</b>	<b>3,894</b>	<b>728,061</b>	<b>1,465</b>	<b>234,080</b>	<b>2,047</b>	<b>1,268,756</b>	<b>190</b>	<b>46,203</b>	<b>26</b>	<b>3,735</b>
Bighorn No. 8	0	0	13	4,078	9	1,327	0	0	0	0	1	X
Calgary	0	0	33	6,135	20	2,958	26	10,837	0	0	0	0
Cardston County	3	X	257	52,296	70	11,150	75	93,718	6	X	0	0
Cypress County	38	7,367	365	90,401	106	22,993	59	37,417	10	3,275	2	X
Foothills No. 31	3	X	475	70,938	206	27,739	134	62,144	0	0	0	0
Forty Mile County No. 8	14	3,486	129	32,540	55	9,795	108	77,825	18	3,473	2	X
Lethbridge County	92	30,531	322	41,328	136	19,558	199	90,475	24	5,586	1	X
Newell County	66	X	313	54,720	96	13,875	172	53,292	45	7,979	6	781
Pincher Creek No. 9	0	0	227	45,947	79	13,463	28	X	1	X	0	0
Ranchland No. 66	0	0	13	2,960	12	3,521	2	X	0	0	1	X
Rocky View County	3	375	464	72,557	234	31,202	211	106,393	2	X	1	X
Taber	52	16,037	246	30,668	56	7,316	190	80,062	32	12,460	3	X
Vulcan County	26	X	207	46,627	74	13,472	276	235,810	14	2,664	1	X
Warner County No. 5	16	X	223	48,768	77	14,002	113	100,211	19	4,594	4	640
Wheatland County	9	1,985	267	54,286	106	17,343	326	217,644	9	2,580	0	0
Willow Creek No. 26	6	X	340	73,812	129	24,366	128	75,372	10	2,737	4	777

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Table 5.4: Field Crops Grown, 2016

	Mustard Seed		Sunflowers		Potatoes		Dry Field Peas		Lentils		Dry White Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>302</b>	<b>134,262</b>	<b>62</b>	<b>7,079</b>	<b>360</b>	<b>53,912</b>	<b>4,247</b>	<b>1,909,491</b>	<b>618</b>	<b>463,500</b>	<b>61</b>	<b>10,744</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>X</b>	<b>254</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>4</b>	<b>X</b>
Mackenzie County	0	0	0	0	4	X	166	50,299	3	X	3	X
Northern Lights County	0	0	0	0	2	X	65	X	1	X	1	X
Northern Sunrise County	0	0	0	0	0	0	23	15,431	0	0	0	0
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>46</b>	<b>13,094</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	0	0	0	0	2	X	43	11,984	1	X	0	0
Lac la Biche County	0	0	0	0	0	0	3	1,110	0	0	0	0
Wood Buffalo	1	X	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3</b>	<b>18</b>	<b>1</b>	<b>X</b>	<b>17</b>	<b>91</b>	<b>564</b>	<b>331,584</b>	<b>25</b>	<b>6,509</b>	<b>5</b>	<b>835</b>
Birch Hills County	0	0	0	0	2	X	49	41,159	1	X	0	0
Clear Hills	1	X	0	0	0	0	101	63,360	2	X	2	X
Fairview No. 136	0	0	0	0	3	X	38	21,561	1	X	2	X
Grande Prairie County No. 1	2	X	0	0	8	11	120	42,233	3	804	1	X
Greenview No. 16	0	0	0	0	3	9	32	13,496	2	X	0	0
Peace No. 135	0	0	0	0	0	0	43	22,253	3	1,080	0	0
Saddle Hills County	0	0	1	X	1	X	73	48,325	4	998	0	0
Smoky River No. 130	0	0	0	0	0	0	77	48,672	5	2,010	0	0
Spirit River No. 133	0	0	0	0	0	0	31	30,525	4	420	0	0
<b>Upper Athabasca</b>	<b>2</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>31</b>	<b>138</b>	<b>228</b>	<b>X</b>	<b>4</b>	<b>779</b>	<b>1</b>	<b>X</b>
Athabasca County	1	X	2	X	4	9	35	9,601	1	X	0	0
Barrhead County No. 11	1	X	0	0	3	3	57	12,457	1	X	1	X
Big Lakes	0	0	0	0	1	X	25	6,925	0	0	0	0
Lac Ste. Anne County	0	0	0	0	3	X	25	4,562	0	0	0	0
Lesser Slave River No. 124	0	0	0	0	1	X	2	X	0	0	0	0
Westlock County	0	0	0	0	9	25	61	18,603	1	X	0	0
Woodlands County	0	0	0	0	1	X	11	2,149	0	0	0	0
Yellowhead County	0	0	1	X	9	94	12	2,403	1	X	0	0

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Table 5.4: Field Crops Grown, 2016

	Mustard Seed		Sunflowers		Potatoes		Dry Field Peas		Lentils		Dry White Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>10</b>	<b>708</b>	<b>10</b>	<b>149</b>	<b>101</b>	<b>6,104</b>	<b>1,209</b>	<b>411,277</b>	<b>45</b>	<b>13,402</b>	<b>12</b>	<b>2,404</b>
Beaver County	0	0	0	0	5	59	84	32,298	1	X	1	X
Brazeau County	0	0	1	X	0	0	2	X	0	0	0	0
Camrose County	0	0	2	X	8	36	137	43,284	4	564	0	0
Clearwater County	0	0	2	X	2	X	14	1,722	0	0	0	0
Edmonton	0	0	0	0	5	280	8	X	1	X	1	X
Flagstaff County	1	X	0	0	2	X	152	59,772	7	2,973	1	X
Lamont County	2	X	0	0	1	X	70	27,485	3	X	1	X
Leduc County	0	0	0	0	3	X	86	19,304	1	X	0	0
Minburn County No. 27	0	0	0	0	3	5	88	27,617	5	360	0	0
Parkland County	1	X	1	X	17	2,657	24	9,505	1	X	2	X
Provost No. 52	0	0	0	0	1	X	48	24,380	4	2,720	0	0
Smoky Lake County	0	0	0	0	2	X	40	15,944	3	501	1	X
St. Paul County No. 19	3	X	0	0	3	X	29	5,949	1	X	0	0
Strathcona County	0	0	2	X	7	X	11	4,495	1	X	1	X
Sturgeon County	0	0	1	X	13	1,127	57	18,107	3	X	2	X
Thorhild County No. 7	1	X	0	0	5	23	33	8,090	0	0	0	0
Two Hills County No. 21	0	0	0	0	3	X	45	15,244	0	0	1	X
Vermilion River County	0	0	0	0	4	X	150	51,066	3	1,845	1	X
Wainwright No. 61	1	X	0	0	2	X	75	29,415	4	1,415	0	0
Wetaskiwin County No. 10	1	X	1	X	15	546	56	14,915	3	253	0	0
<b>Red Deer</b>	<b>100</b>	<b>47,705</b>	<b>10</b>	<b>121</b>	<b>46</b>	<b>2,838</b>	<b>723</b>	<b>280,783</b>	<b>120</b>	<b>95,189</b>	<b>8</b>	<b>2,170</b>
Kneehill County	4	1,150	1	X	4	X	132	50,265	5	1,156	2	X
Lacombe County	1	X	3	X	10	2,495	80	20,527	3	2,266	1	X
Mountain View County	1	X	1	X	3	4	57	12,278	2	X	1	X
Paintearth County No. 18	1	X	0	0	1	X	45	23,033	6	X	0	0
Ponoka County	5	711	2	X	2	X	37	12,342	2	X	0	0
Red Deer County	2	X	3	69	17	132	80	18,481	3	X	0	0
Special Area No. 2	15	6,324	0	0	0	0	27	18,506	8	5,050	1	X
Special Area No. 3	62	35,525	0	0	1	X	82	43,512	63	71,777	1	X
Special Area No. 4	5	1,610	0	0	2	X	35	19,646	22	10,880	1	X
Starland County	3	1,129	0	0	1	X	83	39,215	4	810	1	X
Stettler County No. 6	1	X	0	0	5	23	65	22,978	2	X	0	0

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Table 5.4: Field Crops Grown, 2016

	Mustard Seed		Sunflowers		Potatoes		Dry Field Peas		Lentils		Dry White Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>186</b>	<b>85,534</b>	<b>38</b>	<b>6,801</b>	<b>157</b>	<b>44,684</b>	<b>1,223</b>	<b>721,737</b>	<b>419</b>	<b>346,947</b>	<b>31</b>	<b>4,809</b>
Bighorn No. 8	0	0	0	0	1	X	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	4	1,088	2	X	0	0
Cardston County	5	X	0	0	3	6	17	18,584	2	X	0	0
Cypress County	16	8,819	3	X	3	19	84	51,682	56	42,507	0	0
Foothills No. 31	2	X	2	X	6	8	63	21,401	2	X	0	0
Forty Mile County No. 8	44	22,604	1	X	17	5,010	189	124,186	151	163,388	12	2,074
Lethbridge County	11	3,486	2	X	12	2,480	115	44,619	24	20,847	3	209
Newell County	7	3,076	13	2,103	9	1,130	49	22,262	11	8,867	2	X
Pincher Creek No. 9	1	X	0	0	4	9	10	3,245	2	X	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0	0	0
Rocky View County	1	X	0	0	12	452	52	18,856	3	1,880	0	0
Taber	33	19,274	14	2,637	63	35,362	100	53,513	48	20,550	13	2,244
Vulcan County	20	5,982	0	0	6	X	232	182,157	30	16,234	0	0
Warner County No. 5	31	12,299	0	0	7	26	95	67,927	66	59,335	0	0
Wheatland County	6	2,140	1	X	11	149	136	70,557	17	8,506	0	0
Willow Creek No. 26	9	3,832	2	X	3	X	77	41,660	5	2,326	1	X

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Table 5.5: Field Crops Grown, 2016

	Chick Peas		Other Dry Beans		Canary Seed		Sugar Beets for Sugar		Ginseng	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>80</b>	<b>20,766</b>	<b>452</b>	<b>92,083</b>	<b>14</b>	<b>891</b>	<b>178</b>	<b>28,259</b>	<b>0</b>	<b>0</b>
<b>Lower Peace</b>	<b>5</b>	<b>1,220</b>	<b>12</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mackenzie County	2	X	10	1,695	0	0	0	0	0	0
Northern Lights County	3	X	2	X	0	0	0	0	0	0
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	0	0	0	0	0	0	0	0	0	0
Lac la Biche County	0	0	0	0	0	0	0	0	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>8</b>	<b>1,615</b>	<b>7</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0
Clear Hills	3	X	1	X	1	X	0	0	0	0
Fairview No. 136	0	0	0	0	0	0	0	0	0	0
Grande Prairie County No. 1	2	X	1	X	3	90	0	0	0	0
Greenview No. 16	1	X	1	X	0	0	0	0	0	0
Peace No. 135	0	0	2	X	0	0	0	0	0	0
Saddle Hills County	1	X	0	0	0	0	0	0	0	0
Smoky River No. 130	1	X	2	X	0	0	0	0	0	0
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>3</b>	<b>155</b>	<b>22</b>	<b>3,835</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Athabasca County	0	0	3	390	0	0	0	0	0	0
Barrhead County No. 11	1	X	7	950	0	0	0	0	0	0
Big Lakes	0	0	0	0	0	0	0	0	0	0
Lac Ste. Anne County	2	X	2	X	1	X	0	0	0	0
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0
Westlock County	0	0	7	1,835	0	0	0	0	0	0
Woodlands County	0	0	3	X	0	0	0	0	0	0
Yellowhead County	0	0	0	0	0	0	0	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 5.5: Field Crops Grown, 2016

	Chick Peas		Other Dry Beans		Canary Seed		Sugar Beets for Sugar		Ginseng	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>19</b>	<b>2,380</b>	<b>127</b>	<b>24,407</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Beaver County	0	0	13	2,233	0	0	0	0	0	0
Brazeau County	0	0	1	X	0	0	0	0	0	0
Camrose County	1	X	15	3,371	0	0	0	0	0	0
Clearwater County	1	X	1	X	0	0	0	0	0	0
Edmonton	2	X	3	510	0	0	0	0	0	0
Flagstaff County	0	0	6	1,277	0	0	0	0	0	0
Lamont County	1	X	10	X	0	0	0	0	0	0
Leduc County	3	X	3	278	0	0	0	0	0	0
Minburn County No. 27	1	X	6	1,621	0	0	0	0	0	0
Parkland County	0	0	3	X	0	0	0	0	0	0
Provost No. 52	1	X	4	1,177	1	X	0	0	0	0
Smoky Lake County	1	X	4	410	0	0	0	0	0	0
St. Paul County No. 19	0	0	4	766	0	0	0	0	0	0
Strathcona County	1	X	6	1,439	0	0	0	0	0	0
Sturgeon County	1	X	14	2,818	1	X	0	0	0	0
Thorhild County No. 7	1	X	0	0	0	0	0	0	0	0
Two Hills County No. 21	0	0	2	X	0	0	0	0	0	0
Vermilion River County	2	X	10	2,629	0	0	0	0	0	0
Wainwright No. 61	1	X	8	1,590	0	0	0	0	0	0
Wetaskiwin County No. 10	2	X	14	2,128	0	0	0	0	0	0
<b>Red Deer</b>	<b>6</b>	<b>1,036</b>	<b>59</b>	<b>9,739</b>	<b>5</b>	<b>576</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>
Kneehill County	0	0	5	X	1	X	0	0	0	0
Lacombe County	1	X	18	2,612	1	X	0	0	0	0
Mountain View County	1	X	6	X	1	X	0	0	0	0
Paintearth County No. 18	0	0	1	X	0	0	0	0	0	0
Ponoka County	0	0	10	2,037	0	0	0	0	0	0
Red Deer County	1	X	11	2,482	0	0	0	0	0	0
Special Area No. 2	0	0	1	X	0	0	0	0	0	0
Special Area No. 3	3	830	0	0	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	1	X	0	0
Starland County	0	0	2	X	1	X	0	0	0	0
Stettler County No. 6	0	0	5	X	1	X	0	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 5.5: Field Crops Grown, 2016

	Chick Peas		Other Dry Beans		Canary Seed		Sugar Beets for Sugar		Ginseng	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>39</b>	<b>14,360</b>	<b>225</b>	<b>51,702</b>	<b>2</b>	<b>X</b>	<b>177</b>	<b>X</b>	<b>0</b>	<b>0</b>
Bighorn No. 8	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	0	0	0	0
Cardston County	0	0	2	X	0	0	0	0	0	0
Cypress County	1	X	8	3,251	1	X	3	X	0	0
Foothills No. 31	0	0	2	X	1	X	0	0	0	0
Forty Mile County No. 8	19	X	55	13,696	0	0	27	X	0	0
Lethbridge County	2	X	26	3,469	0	0	41	4,970	0	0
Newell County	2	X	26	4,848	0	0	9	904	0	0
Pincher Creek No. 9	0	0	1	X	0	0	0	0	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	0	0	1	X	0	0	0	0	0	0
Taber	6	1,766	98	24,421	0	0	94	15,496	0	0
Vulcan County	3	X	4	1,112	0	0	3	405	0	0
Warner County No. 5	1	X	0	0	0	0	0	0	0	0
Wheatland County	4	X	1	X	0	0	0	0	0	0
Willow Creek No. 26	1	X	1	X	0	0	0	0	0	0

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Table 5.6: Field Crops Grown, 2016

	Triticale		Forage Seed for Seed		All Other Field Crops	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>366</b>	<b>50,440</b>	<b>640</b>	<b>164,070</b>	<b>138</b>	<b>31,463</b>
<b>Lower Peace</b>	<b>2</b>	<b>X</b>	<b>47</b>	<b>X</b>	<b>10</b>	<b>2,087</b>
Mackenzie County	1	X	18	X	10	2,087
Northern Lights County	1	X	18	4,468	0	0
Northern Sunrise County	0	0	11	3,102	0	0
<b>Lower Athabasca</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>X</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	0	0	2	X	1	X
Lac la Biche County	0	0	3	630	0	0
Wood Buffalo	0	0	0	0	0	0
<b>Upper Peace</b>	<b>4</b>	<b>1,079</b>	<b>241</b>	<b>73,780</b>	<b>6</b>	<b>X</b>
Birch Hills County	0	0	6	700	0	0
Clear Hills	0	0	23	5,315	0	0
Fairview No. 136	0	0	17	6,434	0	0
Grande Prairie County No. 1	2	X	80	17,363	1	X
Greenview No. 16	1	X	37	17,881	4	X
Peace No. 135	0	0	11	2,780	1	X
Saddle Hills County	0	0	37	15,622	0	0
Smoky River No. 130	0	0	24	6,784	0	0
Spirit River No. 133	1	X	6	901	0	0
<b>Upper Athabasca</b>	<b>12</b>	<b>X</b>	<b>41</b>	<b>9,204</b>	<b>9</b>	<b>1,186</b>
Athabasca County	0	0	4	X	3	X
Barrhead County No. 11	5	313	2	X	1	X
Big Lakes	1	X	10	5,276	0	0
Lac Ste. Anne County	2	X	5	486	2	X
Lesser Slave River No. 124	0	0	1	X	0	0
Westlock County	3	X	8	1,103	2	X
Woodlands County	1	X	3	490	0	0
Yellowhead County	0	0	8	932	1	X

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Table 5.6: Field Crops Grown, 2016

	Triticale		Forage Seed for Seed		All Other Field Crops	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>80</b>	<b>8,107</b>	<b>65</b>	<b>7,900</b>	<b>23</b>	<b>3,119</b>
Beaver County	6	1,100	3	114	1	X
Brazeau County	4	168	4	628	0	0
Camrose County	5	294	4	489	2	X
Clearwater County	13	667	6	613	0	0
Edmonton	0	0	1	X	0	0
Flagstaff County	6	782	2	X	1	X
Lamont County	7	690	1	X	0	0
Leduc County	4	253	2	X	2	X
Minburn County No. 27	2	X	2	X	3	X
Parkland County	6	697	3	X	1	X
Provost No. 52	2	X	3	112	1	X
Smoky Lake County	0	0	3	X	0	0
St. Paul County No. 19	2	X	5	886	2	X
Strathcona County	0	0	4	307	0	0
Sturgeon County	4	X	4	818	3	120
Thorhild County No. 7	1	X	1	X	2	X
Two Hills County No. 21	2	X	3	505	1	X
Vermilion River County	7	672	3	193	2	X
Wainwright No. 61	8	1,410	6	1,145	0	0
Wetaskiwin County No. 10	1	X	5	284	2	X
<b>Red Deer</b>	<b>95</b>	<b>14,607</b>	<b>31</b>	<b>3,716</b>	<b>21</b>	<b>1,660</b>
Kneehill County	9	1,114	3	X	0	0
Lacombe County	16	1,164	4	481	2	X
Mountain View County	3	X	1	X	2	X
Paintearth County No. 18	11	2,491	2	X	2	X
Ponoka County	12	X	6	407	1	X
Red Deer County	1	X	8	954	8	X
Special Area No. 2	19	4,593	0	0	0	0
Special Area No. 3	10	1,334	3	X	2	X
Special Area No. 4	7	1,393	2	X	2	X
Starland County	2	X	1	X	1	X
Stettler County No. 6	5	X	1	X	1	X

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**Table 5.6: Field Crops Grown, 2016**

	Triticale		Forage Seed for Seed		All Other Field Crops	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>173</b>	<b>25,722</b>	<b>210</b>	<b>56,739</b>	<b>68</b>	<b>22,978</b>
Bighorn No. 8	0	0	0	0	0	0
Calgary	1	X	0	0	0	0
Cardston County	8	1,583	3	965	0	0
Cypress County	41	6,829	8	1,081	5	697
Foothills No. 31	5	1,100	1	X	0	0
Forty Mile County No. 8	11	1,168	6	1,153	15	12,596
Lethbridge County	10	1,322	14	2,911	10	2,411
Newell County	35	5,359	105	23,595	4	721
Pincher Creek No. 9	8	1,005	3	X	1	X
Ranchland No. 66	0	0	0	0	0	0
Rocky View County	11	1,159	3	X	3	X
Taber	10	529	35	8,597	17	3,584
Vulcan County	10	2,126	10	8,075	5	1,827
Warner County No. 5	11	1,965	12	3,658	3	1,012
Wheatland County	6	X	6	3,420	3	X
Willow Creek No. 26	6	1,120	4	X	2	X

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X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 6.1: Fruits, Berries and Nuts Grown for Sale, 2016

	Total Fruits, Berries and Nuts		Saskatoons		Strawberries		Raspberries		Apples	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>449</b>	<b>2,164</b>	<b>286</b>	<b>1,314</b>	<b>144</b>	<b>205</b>	<b>193</b>	<b>161</b>	<b>53</b>	<b>47</b>
<b>Lower Peace</b>	<b>13</b>	<b>X</b>	<b>6</b>	<b>24</b>	<b>3</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>2</b>	<b>X</b>
Mackenzie County	7	X	3	X	3	X	1	X	1	X
Northern Lights County	4	6	1	X	0	0	2	X	1	X
Northern Sunrise County	2	X	2	X	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>15</b>	<b>X</b>	<b>8</b>	<b>X</b>	<b>7</b>	<b>X</b>	<b>7</b>	<b>X</b>	<b>2</b>	<b>X</b>
Bonnyville No. 87	12	30	5	5	6	9	5	3	1	X
Lac la Biche County	3	X	3	X	1	X	2	X	1	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>39</b>	<b>223</b>	<b>25</b>	<b>113</b>	<b>16</b>	<b>59</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>X</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0
Clear Hills	5	4	3	2	2	X	1	X	0	0
Fairview No. 136	4	25	2	X	3	X	2	X	1	X
Grande Prairie County No. 1	10	76	8	32	2	X	1	X	0	0
Greenview No. 16	8	28	5	17	4	X	2	X	0	0
Peace No. 135	2	X	1	X	1	X	1	X	0	0
Saddle Hills County	5	X	2	X	3	3	2	X	0	0
Smoky River No. 130	5	X	4	X	1	X	1	X	0	0
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>51</b>	<b>187</b>	<b>32</b>	<b>X</b>	<b>15</b>	<b>32</b>	<b>32</b>	<b>27</b>	<b>7</b>	<b>4</b>
Athabasca County	12	33	8	17	3	2	10	9	3	2
Barrhead County No. 11	7	77	4	7	4	X	4	X	1	X
Big Lakes	2	X	2	X	0	0	0	0	0	0
Lac Ste. Anne County	11	30	6	10	1	X	8	10	1	X
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0
Westlock County	6	14	3	6	2	X	1	X	1	X
Woodlands County	1	X	0	0	0	0	0	0	0	0
Yellowhead County	12	X	9	10	5	4	9	4	1	X

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Table 6.1: Fruits, Berries and Nuts Grown for Sale, 2016

	Total Fruits, Berries and Nuts		Saskatoons		Strawberries		Raspberries		Apples	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>165</b>	<b>737</b>	<b>104</b>	<b>460</b>	<b>57</b>	<b>65</b>	<b>79</b>	<b>80</b>	<b>33</b>	<b>37</b>
Beaver County	7	23	4	19	1	X	3	3	0	0
Brazeau County	2	X	2	X	0	0	0	0	0	0
Camrose County	14	21	8	10	5	3	7	4	4	2
Clearwater County	6	21	5	16	2	X	4	1	3	1
Edmonton	4	18	2	X	1	X	1	X	0	0
Flagstaff County	7	X	5	23	1	X	1	X	1	X
Lamont County	6	25	4	20	4	3	2	X	1	X
Leduc County	15	102	13	72	6	7	8	5	2	X
Minburn County No. 27	5	11	4	X	3	X	4	1	1	X
Parkland County	16	X	10	68	5	X	9	31	2	X
Provost No. 52	2	X	2	X	0	0	2	X	0	0
Smoky Lake County	4	X	4	7	1	X	2	X	1	X
St. Paul County No. 19	3	X	1	X	1	X	2	X	0	0
Strathcona County	19	33	6	16	9	5	7	X	7	6
Sturgeon County	18	149	10	86	5	5	10	9	3	X
Thorhild County No. 7	9	X	5	4	3	8	5	X	1	X
Two Hills County No. 21	4	X	2	X	1	X	1	X	2	X
Vermilion River County	4	X	4	2	2	X	3	1	2	X
Wainwright No. 61	3	X	3	X	1	X	1	X	0	0
Wetaskiwin County No. 10	17	X	10	90	6	13	7	3	3	2
<b>Red Deer</b>	<b>73</b>	<b>489</b>	<b>54</b>	<b>381</b>	<b>19</b>	<b>18</b>	<b>24</b>	<b>23</b>	<b>4</b>	<b>2</b>
Kneehill County	5	6	5	X	0	0	0	0	0	0
Lacombe County	12	94	6	56	5	8	4	4	2	X
Mountain View County	14	X	10	108	1	X	6	5	0	0
Paintearth County No. 18	4	X	4	3	1	X	3	1	0	0
Ponoka County	7	X	6	144	1	X	0	0	0	0
Red Deer County	21	X	14	43	7	5	8	9	1	X
Special Area No. 2	1	X	1	X	0	0	0	0	0	0
Special Area No. 3	1	X	1	X	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0
Starland County	0	0	0	0	0	0	0	0	0	0
Stettler County No. 6	8	23	7	11	4	4	3	X	1	X

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**Table 6.1: Fruits, Berries and Nuts Grown for Sale, 2016**

	Total Fruits, Berries and Nuts		Saskatoons		Strawberries		Raspberries		Apples	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>93</b>	<b>460</b>	<b>57</b>	<b>276</b>	<b>27</b>	<b>19</b>	<b>38</b>	<b>20</b>	<b>4</b>	<b>2</b>
Bighorn No. 8	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	0	0	0	0
Cardston County	7	X	7	16	3	3	2	X	0	0
Cypress County	7	X	6	X	1	X	4	3	0	0
Foothills No. 31	17	X	9	91	3	0	7	4	1	X
Forty Mile County No. 8	1	X	0	0	0	0	0	0	0	0
Lethbridge County	16	104	4	20	5	9	6	2	2	X
Newell County	8	22	5	X	5	2	5	1	0	0
Pincher Creek No. 9	2	X	2	X	1	X	1	X	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	14	45	11	36	2	X	4	3	0	0
Taber	1	X	1	X	1	X	1	X	0	0
Vulcan County	4	X	2	X	2	X	2	X	0	0
Warner County No. 5	8	17	4	12	2	X	4	1	1	X
Wheatland County	5	X	4	X	2	X	1	X	0	0
Willow Creek No. 26	3	X	2	X	0	0	1	X	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 6.2: Fruits, Berries and Nuts Grown for Sale, 2016

	Cherries (Sour)		Cherries (Sweet)		Blueberries		Cranberries		Plums and Prunes	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>79</b>	<b>84</b>	<b>16</b>	<b>5</b>	<b>10</b>	<b>44</b>	<b>8</b>	<b>15</b>	<b>11</b>	<b>2</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mackenzie County	0	0	0	0	0	0	0	0	0	0
Northern Lights County	0	0	0	0	0	0	0	0	0	0
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>4</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	3	2	0	0	0	0	2	X	1	X
Lac la Biche County	1	X	1	X	0	0	0	0	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>X</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0
Clear Hills	0	0	0	0	0	0	0	0	0	0
Fairview No. 136	0	0	0	0	0	0	0	0	1	X
Grande Prairie County No. 1	2	X	1	X	0	0	1	X	0	0
Greenview No. 16	0	0	0	0	0	0	0	0	0	0
Peace No. 135	0	0	0	0	0	0	0	0	0	0
Saddle Hills County	0	0	0	0	0	0	0	0	0	0
Smoky River No. 130	1	X	0	0	0	0	0	0	0	0
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>9</b>	<b>11</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>X</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>X</b>
Athabasca County	3	2	1	X	1	X	0	0	0	0
Barrhead County No. 11	1	X	0	0	2	X	0	0	0	0
Big Lakes	0	0	0	0	0	0	0	0	0	0
Lac Ste. Anne County	2	X	1	X	0	0	2	X	0	0
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0
Westlock County	0	0	1	X	0	0	0	0	0	0
Woodlands County	1	X	0	0	0	0	0	0	0	0
Yellowhead County	2	X	2	X	0	0	2	X	1	X

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**Table 6.2: Fruits, Berries and Nuts Grown for Sale, 2016**

	Cherries (Sour)		Cherries (Sweet)		Blueberries		Cranberries		Plums and Prunes	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>28</b>	<b>28</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>X</b>	<b>3</b>	<b>0</b>
Beaver County	1	X	0	0	0	0	0	0	0	0
Brazeau County	0	0	0	0	0	0	0	0	0	0
Camrose County	3	1	0	0	0	0	0	0	1	X
Clearwater County	1	X	0	0	0	0	0	0	0	0
Edmonton	0	0	0	0	0	0	0	0	0	0
Flagstaff County	0	0	0	0	0	0	0	0	0	0
Lamont County	1	X	0	0	0	0	0	0	0	0
Leduc County	5	15	1	X	0	0	0	0	0	0
Minburn County No. 27	0	0	0	0	1	X	0	0	0	0
Parkland County	3	2	0	0	0	0	1	X	0	0
Provost No. 52	1	X	0	0	1	X	0	0	0	0
Smoky Lake County	2	X	0	0	0	0	0	0	0	0
St. Paul County No. 19	2	X	0	0	1	X	0	0	0	0
Strathcona County	2	X	2	X	1	X	0	0	1	X
Sturgeon County	2	X	0	0	0	0	0	0	0	0
Thorhild County No. 7	1	X	0	0	0	0	0	0	0	0
Two Hills County No. 21	0	0	0	0	0	0	0	0	0	0
Vermilion River County	2	X	0	0	1	X	0	0	0	0
Wainwright No. 61	1	X	0	0	0	0	0	0	0	0
Wetaskiwin County No. 10	1	X	2	X	1	X	0	0	1	X
<b>Red Deer</b>	<b>14</b>	<b>19</b>	<b>3</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>
Kneehill County	3	X	0	0	0	0	0	0	0	0
Lacombe County	1	X	1	X	0	0	0	0	1	X
Mountain View County	3	5	1	X	0	0	0	0	0	0
Paintearth County No. 18	1	X	0	0	0	0	0	0	0	0
Ponoka County	0	0	0	0	0	0	0	0	0	0
Red Deer County	5	X	0	0	0	0	0	0	1	X
Special Area No. 2	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	0	0	0	0	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0
Starland County	0	0	0	0	0	0	0	0	0	0
Stettler County No. 6	1	X	1	X	0	0	0	0	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 6.2: Fruits, Berries and Nuts Grown for Sale, 2016**

	Cherries (Sour)		Cherries (Sweet)		Blueberries		Cranberries		Plums and Prunes	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>21</b>	<b>18</b>	<b>1</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>
Bighorn No. 8	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	0	0	0	0
Cardston County	2	X	0	0	0	0	0	0	0	0
Cypress County	2	X	0	0	0	0	0	0	0	0
Foothills No. 31	1	X	0	0	0	0	0	0	1	X
Forty Mile County No. 8	1	X	0	0	0	0	0	0	0	0
Lethbridge County	2	X	0	0	0	0	0	0	1	X
Newell County	4	3	0	0	1	X	0	0	0	0
Pincher Creek No. 9	0	0	1	X	0	0	0	0	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	4	X	0	0	0	0	0	0	0	0
Taber	0	0	0	0	0	0	0	0	0	0
Vulcan County	1	X	0	0	0	0	0	0	0	0
Warner County No. 5	2	X	0	0	0	0	0	0	0	0
Wheatland County	1	X	0	0	0	0	0	0	0	0
Willow Creek No. 26	1	X	0	0	0	0	0	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 6.3: Fruits, Berries and Nuts Grown for Sale, 2016

	Pears		Peaches		Apricots		Grapes		Other Fruits, Berries and Nuts	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>101</b>	<b>283</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>
Mackenzie County	0	0	0	0	0	0	0	0	0	0
Northern Lights County	0	0	0	0	0	0	0	0	2	X
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>X</b>
Bonnyville No. 87	0	0	0	0	0	0	0	0	3	X
Lac la Biche County	0	0	0	0	0	0	0	0	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>X</b>	<b>5</b>	<b>37</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0
Clear Hills	0	0	0	0	0	0	0	0	0	0
Fairview No. 136	0	0	0	0	0	0	0	0	1	X
Grande Prairie County No. 1	0	0	0	0	0	0	1	X	2	X
Greenview No. 16	0	0	0	0	0	0	0	0	1	X
Peace No. 135	0	0	0	0	0	0	0	0	0	0
Saddle Hills County	0	0	0	0	0	0	0	0	0	0
Smoky River No. 130	0	0	0	0	0	0	0	0	1	X
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>11</b>
Athabasca County	0	0	0	0	0	0	0	0	2	X
Barrhead County No. 11	0	0	0	0	0	0	0	0	3	X
Big Lakes	0	0	0	0	0	0	0	0	0	0
Lac Ste. Anne County	0	0	0	0	0	0	0	0	1	X
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0
Westlock County	1	X	0	0	0	0	0	0	1	X
Woodlands County	0	0	0	0	0	0	0	0	1	X
Yellowhead County	1	X	0	0	0	0	0	0	3	2

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**Table 6.3: Fruits, Berries and Nuts Grown for Sale, 2016**

	Pears		Peaches		Apricots		Grapes		Other Fruits, Berries and Nuts	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>X</b>	<b>44</b>	<b>60</b>
Beaver County	0	0	0	0	0	0	0	0	1	X
Brazeau County	0	0	0	0	0	0	0	0	0	0
Camrose County	0	0	0	0	0	0	0	0	4	X
Clearwater County	0	0	0	0	0	0	0	0	3	2
Edmonton	0	0	0	0	0	0	0	0	1	X
Flagstaff County	0	0	0	0	0	0	1	X	0	0
Lamont County	1	X	0	0	0	0	0	0	2	X
Leduc County	0	0	0	0	0	0	0	0	5	3
Minburn County No. 27	0	0	0	0	0	0	0	0	1	X
Parkland County	0	0	0	0	0	0	0	0	5	1
Provost No. 52	0	0	0	0	0	0	0	0	2	X
Smoky Lake County	0	0	0	0	0	0	0	0	1	X
St. Paul County No. 19	0	0	0	0	0	0	0	0	2	X
Strathcona County	0	0	0	0	0	0	0	0	4	X
Sturgeon County	0	0	0	0	0	0	0	0	7	39
Thorhild County No. 7	0	0	0	0	0	0	0	0	3	3
Two Hills County No. 21	0	0	0	0	0	0	0	0	1	X
Vermilion River County	0	0	0	0	0	0	0	0	1	X
Wainwright No. 61	0	0	0	0	0	0	0	0	0	0
Wetaskiwin County No. 10	1	X	0	0	0	0	0	0	1	X
<b>Red Deer</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>44</b>
Kneehill County	0	0	0	0	0	0	0	0	0	0
Lacombe County	0	0	0	0	0	0	0	0	1	X
Mountain View County	0	0	0	0	0	0	0	0	2	X
Paintearth County No. 18	0	0	0	0	0	0	0	0	1	X
Ponoka County	0	0	0	0	0	0	0	0	1	X
Red Deer County	1	X	0	0	0	0	0	0	5	X
Special Area No. 2	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	0	0	0	0	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0
Starland County	0	0	0	0	0	0	0	0	0	0
Stettler County No. 6	0	0	0	0	0	0	0	0	1	X

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X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 6.3: Fruits, Berries and Nuts Grown for Sale, 2016**

	Pears		Peaches		Apricots		Grapes		Other Fruits, Berries and Nuts	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>25</b>	<b>124</b>
Bighorn No. 8	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	0	0	0	0
Cardston County	0	0	0	0	0	0	0	0	0	0
Cypress County	0	0	0	0	0	0	0	0	2	X
Foothills No. 31	0	0	0	0	0	0	0	0	5	27
Forty Mile County No. 8	0	0	0	0	0	0	0	0	0	0
Lethbridge County	1	X	0	0	0	0	0	0	8	69
Newell County	0	0	0	0	0	0	0	0	3	X
Pincher Creek No. 9	1	X	0	0	0	0	0	0	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	0	0	0	0	0	0	0	0	2	X
Taber	0	0	0	0	0	0	0	0	0	0
Vulcan County	0	0	0	0	0	0	1	X	3	X
Warner County No. 5	0	0	0	0	0	0	1	X	1	X
Wheatland County	0	0	0	0	0	0	0	0	1	X
Willow Creek No. 26	0	0	0	0	0	0	0	0	0	0

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X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 7.1: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Total Vegetables		Sweet Corn		Tomatoes		Cucumbers		Green Peas		Green and Wax Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>504</b>	<b>10,108</b>	<b>181</b>	<b>2,475</b>	<b>162</b>	<b>42</b>	<b>184</b>	<b>104</b>	<b>206</b>	<b>3,721</b>	<b>168</b>	<b>181</b>
<b>Lower Peace</b>	<b>9</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>6</b>	<b>X</b>	<b>6</b>	<b>X</b>
Mackenzie County	4	X	1	X	2	X	1	X	4	1	4	1
Northern Lights County	4	15	1	X	1	X	2	X	2	X	2	X
Northern Sunrise County	1	X	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>11</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>6</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	8	7	2	X	4	1	2	X	3	1	1	X
Lac la Biche County	3	X	1	X	2	X	0	0	1	X	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>24</b>	<b>116</b>	<b>10</b>	<b>33</b>	<b>7</b>	<b>2</b>	<b>11</b>	<b>6</b>	<b>15</b>	<b>5</b>	<b>15</b>	<b>3</b>
Birch Hills County	1	X	1	X	0	0	0	0	0	0	0	0
Clear Hills	3	7	1	X	1	X	2	X	2	X	2	X
Fairview No. 136	3	26	2	X	1	X	2	X	2	X	2	X
Grande Prairie County No. 1	10	39	1	X	1	X	2	X	5	1	5	X
Greenview No. 16	3	20	3	3	2	X	3	3	3	1	3	X
Peace No. 135	1	X	1	X	1	X	1	X	1	X	1	X
Saddle Hills County	1	X	1	X	1	X	1	X	1	X	1	X
Smoky River No. 130	1	X	0	0	0	0	0	0	0	0	0	0
Spirit River No. 133	1	X	0	0	0	0	0	0	1	X	1	X
<b>Upper Athabasca</b>	<b>48</b>	<b>277</b>	<b>19</b>	<b>7</b>	<b>20</b>	<b>3</b>	<b>21</b>	<b>5</b>	<b>21</b>	<b>11</b>	<b>18</b>	<b>6</b>
Athabasca County	5	12	1	X	2	X	2	X	1	X	1	X
Barrhead County No. 11	7	14	2	X	3	0	3	0	2	X	2	X
Big Lakes	4	3	1	X	0	0	1	X	0	0	0	0
Lac Ste. Anne County	9	X	4	1	6	1	6	1	5	2	5	1
Lesser Slave River No. 124	2	X	0	0	0	0	0	0	0	0	0	0
Westlock County	10	50	7	5	5	1	6	3	7	6	5	4
Woodlands County	1	X	1	X	1	X	0	0	1	X	1	X
Yellowhead County	10	172	3	X	3	1	3	X	5	2	4	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.1: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Total Vegetables		Sweet Corn		Tomatoes		Cucumbers		Green Peas		Green and Wax Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>161</b>	<b>934</b>	<b>56</b>	<b>49</b>	<b>59</b>	<b>16</b>	<b>65</b>	<b>51</b>	<b>65</b>	<b>204</b>	<b>54</b>	<b>32</b>
Beaver County	7	6	2	X	1	X	3	X	2	X	2	X
Brazeau County	4	3	1	X	2	X	1	X	0	0	0	0
Camrose County	10	26	3	X	3	X	5	1	4	1	3	1
Clearwater County	7	X	1	X	4	1	4	1	3	0	3	0
Edmonton	9	262	3	25	2	X	6	18	5	33	3	17
Flagstaff County	6	60	2	X	2	X	2	X	1	X	0	0
Lamont County	4	11	1	X	0	0	2	X	1	X	0	0
Leduc County	12	X	3	1	4	1	4	2	6	X	4	1
Minburn County No. 27	8	20	3	X	4	2	3	2	2	X	1	X
Parkland County	20	X	2	X	5	2	3	1	6	X	7	2
Provost No. 52	1	X	1	X	0	0	0	0	0	0	0	0
Smoky Lake County	2	X	1	X	1	X	1	X	1	X	1	X
St. Paul County No. 19	5	29	1	X	2	X	1	X	1	X	1	X
Strathcona County	13	X	5	3	7	3	6	5	6	X	5	1.2
Sturgeon County	15	80	9	4	8	1	10	4	10	X	9	4
Thorhild County No. 7	8	38	4	2	6	2	4	X	5	4	3	1
Two Hills County No. 21	3	X	1	X	0	0	2	X	1	X	1	X
Vermilion River County	5	X	4	3	1	X	2	X	2	X	1	X
Wainwright No. 61	1	X	1	X	0	0	1	X	0	0	0	0
Wetaskiwin County No. 10	21	X	8	2	7	1	5	X	9	X	10	2
<b>Red Deer</b>	<b>81</b>	<b>378</b>	<b>23</b>	<b>13</b>	<b>21</b>	<b>7</b>	<b>21</b>	<b>9</b>	<b>25</b>	<b>39</b>	<b>25</b>	<b>13</b>
Kneehill County	5	7	2	X	1	X	1	X	0	0	1	X
Lacombe County	10	16	4	X	1	X	1	X	0	0	2	X
Mountain View County	17	X	3	0	2	X	5	1	7	1	6	X
Paintearth County No. 18	1	X	1	X	1	X	1	X	1	X	0	0
Ponoka County	10	X	1	X	2	X	1	X	2	X	1	X
Red Deer County	27	X	5	3	9	3	6	X	9	X	9	10
Special Area No. 2	0	0	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	2	X	2	X	1	X	1	X	2	X	2	X
Special Area No. 4	2	X	1	X	1	X	1	X	0	0	0	0
Starland County	2	X	1	X	1	X	2	X	1	X	0	0
Stettler County No. 6	5	X	3	1	2	X	2	X	3	X	4	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.1: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Total Vegetables		Sweet Corn		Tomatoes		Cucumbers		Green Peas		Green and Wax Beans	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>170</b>	<b>8,359</b>	<b>68</b>	<b>2,367</b>	<b>46</b>	<b>42</b>	<b>61</b>	<b>31</b>	<b>70</b>	<b>3,461</b>	<b>49</b>	<b>127</b>
Bighorn No. 8	2	X	1	X	0	0	0	0	1	X	0	0
Calgary	12	X	0	0	1	X	1	X	1	X	1	X
Cardston County	4	X	2	X	1	X	1	X	3	1	2	X
Cypress County	11	X	3	X	1	X	7	X	2	X	1	X
Foothills No. 31	13	X	5	1	5	X	4	X	4	1	3	1
Forty Mile County No. 8	4	X	4	X	3	X	3	1	2	X	2	X
Lethbridge County	19	923	5	2	4	1	5	2	7	575	6	X
Newell County	9	88	6	12	2	X	4	1	4	X	4	X
Pincher Creek No. 9	5	X	2	X	3	1	3	1	3	X	2	X
Ranchland No. 66	1	X	0	0	0	0	0	0	0	0	0	0
Rocky View County	21	30	4	4	5	1	8	1	10	2	9	2
Taber	29	5,504	19	1,807	2	X	5	1	18	X	4	1
Vulcan County	14	X	7	6	8	3	8	3	7	5	7	2
Warner County No. 5	10	54	6	4	6	2	6	3	4	3	5	4
Wheatland County	11	X	3	3	3	X	4	2	2	X	2	X
Willow Creek No. 26	5	15	1	X	2	X	2	X	2	X	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 7.2: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016

	Cabbage		Chinese Cabbage		Cauliflower		Broccoli		Brussel Sprouts		Carrots	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>120</b>	<b>338</b>	<b>12</b>	<b>4</b>	<b>86</b>	<b>38</b>	<b>97</b>	<b>115</b>	<b>40</b>	<b>11</b>	<b>256</b>	<b>486</b>
<b>Lower Peace</b>	<b>3</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>X</b>	<b>6</b>	<b>X</b>
Mackenzie County	2	X	0	0	1	X	2	X	1	X	4	1
Northern Lights County	1	X	0	0	1	X	1	X	1	X	2	X
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>X</b>
Bonnyville No. 87	1	X	0	0	0	0	0	0	0	0	2	X
Lac la Biche County	0	0	0	0	0	0	0	0	0	0	1	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>X</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>X</b>	<b>16</b>	<b>10</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0	0	0
Clear Hills	0	0	0	0	0	0	0	0	0	0	2	X
Fairview No. 136	2	X	0	0	2	X	1	X	0	0	3	X
Grande Prairie County No. 1	3	X	0	0	2	X	1	X	1	X	6	6
Greenview No. 16	2	X	0	0	2	X	2	X	1	X	2	X
Peace No. 135	1	X	0	0	1	X	1	X	0	0	1	X
Saddle Hills County	1	X	0	0	0	0	0	0	0	0	1	X
Smoky River No. 130	0	0	0	0	0	0	0	0	0	0	0	0
Spirit River No. 133	1	X	0	0	0	0	0	0	1	X	1	X
<b>Upper Athabasca</b>	<b>12</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>24</b>	<b>8</b>
Athabasca County	1	X	0	0	1	X	0	0	0	0	2	X
Barrhead County No. 11	1	X	0	0	1	X	0	0	0	0	3	X
Big Lakes	1	X	0	0	0	0	0	0	0	0	2	X
Lac Ste. Anne County	1	X	0	0	2	X	2	X	1	X	5	1
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0	0	0
Westlock County	5	4	0	0	4	1	2	X	2	X	7	5
Woodlands County	0	0	0	0	0	0	0	0	0	0	0	0
Yellowhead County	3	3	0	0	1	X	2	X	1	X	5	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 7.2: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Cabbage		Chinese Cabbage		Cauliflower		Broccoli		Brussel Sprouts		Carrots	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>35</b>	<b>63</b>	<b>5</b>	<b>3</b>	<b>26</b>	<b>18</b>	<b>35</b>	<b>19</b>	<b>15</b>	<b>6</b>	<b>86</b>	<b>103</b>
Beaver County	0	0	0	0	0	0	1	X	1	X	4	1
Brazeau County	0	0	0	0	0	0	0	0	0	0	1	X
Camrose County	2	X	0	0	1	X	2	X	2	X	6	3
Clearwater County	1	X	0	0	1	X	2	X	0	0	5	1
Edmonton	4	38	1	X	3	12	4	12	3	4	5	40
Flagstaff County	1	X	0	0	1	X	1	X	0	0	3	X
Lamont County	0	0	0	0	0	0	0	0	0	0	0	0
Leduc County	4	2	0	0	3	1	3	1	3	1	6	6
Minburn County No. 27	3	1	0	0	1	X	1	X	0	0	3	X
Parkland County	1	X	0	0	0	0	1	X	1	X	10	5
Provost No. 52	0	0	0	0	0	0	0	0	0	0	0	0
Smoky Lake County	1	X	0	0	1	X	1	X	0	0	1	X
St. Paul County No. 19	0	0	0	0	0	0	0	0	0	0	2	X
Strathcona County	1	X	2	X	1	X	2	X	0	0	6	X
Sturgeon County	6	3	1	X	5	1	7	2	2	X	11	8
Thorhild County No. 7	4	X	0	0	4	1	4	1	2	X	6	3
Two Hills County No. 21	1	X	0	0	1	X	1	X	0	0	2	X
Vermilion River County	1	X	0	0	1	X	1	X	1	X	3	2
Wainwright No. 61	1	X	0	0	1	X	1	X	0	0	1	X
Wetaskiwin County No. 10	4	1	1	X	2	X	3	0	0	0	11	4
<b>Red Deer</b>	<b>20</b>	<b>9</b>	<b>3</b>	<b>1</b>	<b>15</b>	<b>6</b>	<b>17</b>	<b>6</b>	<b>8</b>	<b>2</b>	<b>39</b>	<b>83</b>
Kneehill County	0	0	0	0	0	0	0	0	0	0	1	X
Lacombe County	2	X	1	X	2	X	3	X	1	X	3	X
Mountain View County	1	X	1	X	1	X	2	X	1	X	8	1
Paintearth County No. 18	1	X	0	0	1	X	1	X	0	0	1	X
Ponoka County	3	X	0	0	2	X	1	X	0	0	2	X
Red Deer County	8	5	0	0	4	2	6	3	3	X	15	73
Special Area No. 2	0	0	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	1	X	0	0	2	X	0	0	0	0	2	X
Special Area No. 4	0	0	0	0	0	0	0	0	0	0	1	X
Starland County	1	X	0	0	1	X	1	X	0	0	1	X
Stettler County No. 6	3	0	1	X	2	X	3	0	3	0	5	3

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**Table 7.2: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Cabbage		Chinese Cabbage		Cauliflower		Broccoli		Brussel Sprouts		Carrots	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>39</b>	<b>257</b>	<b>4</b>	<b>1</b>	<b>27</b>	<b>10</b>	<b>31</b>	<b>87</b>	<b>8</b>	<b>2</b>	<b>82</b>	<b>278</b>
Bighorn No. 8	1	X	1	X	1	X	1	X	0	0	1	X
Calgary	1	X	0	0	0	0	0	0	0	0	3	X
Cardston County	1	X	0	0	0	0	1	X	0	0	3	1
Cypress County	2	X	0	0	2	X	3	X	1	X	2	X
Foothills No. 31	2	X	1	X	1	X	1	X	0	0	10	X
Forty Mile County No. 8	2	X	0	0	2	X	3	X	1	X	3	X
Lethbridge County	3	X	1	X	4	4	4	X	1	X	8	123
Newell County	1	X	0	0	2	X	2	X	0	0	4	1
Pincher Creek No. 9	2	X	0	0	0	0	1	X	0	0	3	X
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0	0	0
Rocky View County	5	1	0	0	2	X	1	X	0	0	15	X
Taber	2	X	0	0	1	X	3	X	0	0	4	1
Vulcan County	7	2	1	X	5	2	6	X	3	1	10	X
Warner County No. 5	6	X	0	0	5	2	5	2	2	X	7	12
Wheatland County	3	X	0	0	2	X	0	0	0	0	7	18
Willow Creek No. 26	1	X	0	0	0	0	0	0	0	0	2	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.3: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Rutabagas and Turnips		Beets		Radishes		Dry Onions		Shallots and Green Onions		Celery	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>55</b>	<b>130</b>	<b>215</b>	<b>188</b>	<b>107</b>	<b>73</b>	<b>158</b>	<b>X</b>	<b>96</b>	<b>X</b>	<b>31</b>	<b>X</b>
<b>Lower Peace</b>	<b>2</b>	<b>X</b>	<b>6</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>
Mackenzie County	1	X	4	1	0	0	4	X	1	X	0	0
Northern Lights County	1	X	2	X	2	X	1	X	1	X	0	0
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>3</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	0	0	2	X	1	X	2	X	0	0	0	0
Lac la Biche County	1	X	1	X	0	0	2	X	0	0	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3</b>	<b>1</b>	<b>13</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>11</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0	0	0
Clear Hills	1	X	2	X	0	0	1	X	0	0	0	0
Fairview No. 136	1	X	3	1	0	0	2	X	0	0	0	0
Grande Prairie County No. 1	0	0	3	X	1	X	4	1	1	X	0	0
Greenview No. 16	1	X	3	2	3	X	2	X	2	X	0	0
Peace No. 135	0	0	1	X	0	0	1	X	1	X	0	0
Saddle Hills County	0	0	1	X	1	X	1	X	1	X	0	0
Smoky River No. 130	0	0	0	0	0	0	0	0	0	0	0	0
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>11</b>	<b>86</b>	<b>22</b>	<b>51</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>3</b>	<b>14</b>	<b>2</b>	<b>6</b>	<b>1</b>
Athabasca County	1	X	1	X	1	X	2	X	2	X	1	X
Barrhead County No. 11	2	X	3	X	2	X	2	X	2	X	1	X
Big Lakes	0	0	2	X	0	0	0	0	2	X	0	0
Lac Ste. Anne County	3	0	5	1	5	3	4	0	4	0	1	X
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0	0	0
Westlock County	2	X	6	3	5	1	6	2	3	1	2	X
Woodlands County	0	0	0	0	0	0	0	0	0	0	0	0
Yellowhead County	3	X	5	X	0	0	4	X	1	X	1	X

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**Table 7.3: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Rutabagas and Turnips		Beets		Radishes		Dry Onions		Shallots and Green Onions		Celery	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>22</b>	<b>4</b>	<b>77</b>	<b>43</b>	<b>28</b>	<b>13</b>	<b>57</b>	<b>31</b>	<b>31</b>	<b>8</b>	<b>12</b>	<b>2</b>
Beaver County	1	X	3	X	1	X	0	0	0	0	0	0
Brazeau County	0	0	1	X	0	0	1	X	1	X	0	0
Camrose County	3	1	5	2	2	X	4	1	1	X	2	X
Clearwater County	2	X	5	1	2	X	5	1	3	1	1	X
Edmonton	2	X	7	19	3	3	3	9	3	1	0	0
Flagstaff County	0	0	1	X	1	X	1	X	2	X	0	0
Lamont County	0	0	0	0	0	0	1	X	0	0	0	0
Leduc County	1	X	7	3	1	X	4	3	2	X	0	0
Minburn County No. 27	1	X	2	X	1	X	1	X	1	X	0	0
Parkland County	2	X	6	X	3	0	5	3	2	X	0	0
Provost No. 52	0	0	0	0	0	0	0	0	0	0	0	0
Smoky Lake County	0	0	1	X	0	0	1	X	0	0	0	0
St. Paul County No. 19	0	0	1	X	0	0	1	X	1	X	0	0
Strathcona County	0	0	6	2	3	X	6	X	3	1	1	X
Sturgeon County	3	1	10	6	5	X	10	5	5	1	3	1
Thorhild County No. 7	1	X	5	2	3	1	5	2	2	X	2	X
Two Hills County No. 21	0	0	2	X	1	X	1	X	1	X	0	0
Vermilion River County	1	X	2	X	0	0	2	X	2	X	1	X
Wainwright No. 61	1	X	1	X	1	X	1	X	0	0	0	0
Wetaskiwin County No. 10	4	1	12	3	1	X	5	2	2	X	2	X
<b>Red Deer</b>	<b>6</b>	<b>3</b>	<b>31</b>	<b>14</b>	<b>15</b>	<b>5</b>	<b>16</b>	<b>10</b>	<b>18</b>	<b>8</b>	<b>6</b>	<b>X</b>
Kneehill County	0	0	1	X	1	X	2	X	0	0	0	0
Lacombe County	0	0	3	X	1	X	0	0	2	X	0	0
Mountain View County	1	X	6	X	0	0	2	X	4	1	2	X
Paintearth County No. 18	0	0	1	X	1	X	1	X	1	X	1	X
Ponoka County	0	0	2	X	2	X	1	X	2	X	2	X
Red Deer County	3	3	12	10	5	3	7	X	5	6	1	X
Special Area No. 2	0	0	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	0	0	2	X	1	X	1	X	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0	0	0
Starland County	1	X	1	X	1	X	0	0	1	X	0	0
Stettler County No. 6	1	X	3	0	3	0	2	X	3	0	0	0

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**Table 7.3: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Rutabagas and Turnips		Beets		Radishes		Dry Onions		Shallots and Green Onions		Celery	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>10</b>	<b>36</b>	<b>63</b>	<b>74</b>	<b>43</b>	<b>47</b>	<b>47</b>	<b>1,000</b>	<b>26</b>	<b>89</b>	<b>7</b>	<b>62</b>
Bighorn No. 8	0	0	1	X	1	X	1	X	1	X	0	0
Calgary	0	0	5	X	4	X	0	0	2	X	0	0
Cardston County	0	0	2	X	1	X	1	X	2	X	0	0
Cypress County	2	X	1	X	2	X	3	X	1	X	0	0
Foothills No. 31	2	X	7	X	1	X	4	1	2	X	1	X
Forty Mile County No. 8	0	0	2	X	3	X	2	X	1	X	0	0
Lethbridge County	0	0	6	4	2	X	8	12	2	X	2	X
Newell County	0	0	3	0	2	X	1	X	1	X	0	0
Pincher Creek No. 9	0	0	2	X	1	X	2	X	0	0	1	X
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0	0	0
Rocky View County	3	X	9	X	4	X	8	1	4	0	0	0
Taber	1	X	4	1	4	X	5	X	2	X	0	0
Vulcan County	1	X	8	X	6	1	5	X	4	X	0	0
Warner County No. 5	0	0	6	3	6	2	4	2	4	2	2	X
Wheatland County	1	X	5	5	4	X	3	2	0	0	0	0
Willow Creek No. 26	0	0	2	X	2	X	0	0	0	0	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 7.4: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016

	Lettuce		Spinach		Peppers		Pumpkins		Squash and Zucchini	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>154</b>	<b>45</b>	<b>97</b>	<b>X</b>	<b>61</b>	<b>12</b>	<b>105</b>	<b>251</b>	<b>148</b>	<b>139</b>
<b>Lower Peace</b>	<b>6</b>	<b>X</b>	<b>5</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>X</b>
Mackenzie County	4	1	3	0	1	X	0	0	4	1
Northern Lights County	2	X	2	X	1	X	0	0	2	X
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	1	X	2	X	1	X	3	0	0	0
Lac la Biche County	0	0	0	0	0	0	1	X	1	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>7</b>	<b>1</b>	<b>5</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>4</b>	<b>X</b>	<b>11</b>	<b>4</b>
Birch Hills County	0	0	0	0	0	0	0	0	0	0
Clear Hills	1	X	1	X	0	0	0	0	2	X
Fairview No. 136	0	0	0	0	0	0	1	X	2	X
Grande Prairie County No. 1	3	0	3	0	0	0	1	X	3	0
Greenview No. 16	1	X	0	0	1	X	1	X	3	3
Peace No. 135	1	X	0	0	0	0	0	0	0	0
Saddle Hills County	1	X	1	X	0	0	1	X	1	X
Smoky River No. 130	0	0	0	0	0	0	0	0	0	0
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>15</b>	<b>2</b>	<b>12</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>11</b>	<b>5</b>	<b>20</b>	<b>21</b>
Athabasca County	1	X	1	X	0	0	1	X	3	X
Barrhead County No. 11	2	X	1	X	2	X	2	X	3	X
Big Lakes	1	X	1	X	1	X	0	0	1	X
Lac Ste. Anne County	4	0	4	0	2	X	3	1	5	1
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	0	0
Westlock County	4	1	2	X	0	0	4	2	3	X
Woodlands County	0	0	0	0	0	0	0	0	0	0
Yellowhead County	3	X	3	X	3	X	1	X	5	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.4: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Lettuce		Spinach		Peppers		Pumpkins		Squash and Zucchini	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>48</b>	<b>13</b>	<b>35</b>	<b>12</b>	<b>22</b>	<b>4</b>	<b>42</b>	<b>33</b>	<b>53</b>	<b>21</b>
Beaver County	1	X	1	X	0	0	0	0	3	X
Brazeau County	0	0	0	0	0	0	0	0	1	X
Camrose County	3	1	3	1	0	0	2	X	4	1
Clearwater County	2	X	4	1	1	X	1	X	2	X
Edmonton	5	3	6	7	3	1	3	4	4	5
Flagstaff County	1	X	0	0	1	X	1	X	1	X
Lamont County	1	X	1	X	0	0	0	0	0	0
Leduc County	3	1	2	X	2	X	4	3	4	1
Minburn County No. 27	1	X	1	X	0	0	3	1	4	2
Parkland County	3	1	2	X	3	1	5	4	3	1
Provost No. 52	0	0	0	0	0	0	0	0	0	0
Smoky Lake County	1	X	0	0	0	0	1	X	1	X
St. Paul County No. 19	0	0	0	0	1	X	0	0	0	0
Strathcona County	5	1	3	0	3	1	5	1	5	1
Sturgeon County	7	3	5	2	2	X	7	17	7	5
Thorhild County No. 7	5	1	1	X	2	X	3	1	4	1
Two Hills County No. 21	0	0	0	0	0	0	0	0	1	X
Vermilion River County	1	X	1	X	2	X	2	X	3	1
Wainwright No. 61	1	X	1	X	0	0	0	0	1	X
Wetaskiwin County No. 10	8	1	4	1	2	X	5	1	5	1
<b>Red Deer</b>	<b>25</b>	<b>13</b>	<b>13</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>7</b>	<b>2</b>	<b>17</b>	<b>10</b>
Kneehill County	0	0	0	0	0	0	0	0	0	0
Lacombe County	1	X	1	X	1	X	1	X	2	X
Mountain View County	4	1	3	1	0	0	0	0	5	1
Paintearth County No. 18	1	X	0	0	0	0	0	0	0	0
Ponoka County	3	1	0	0	0	0	0	0	0	0
Red Deer County	10	10	7	X	3	X	4	X	6	X
Special Area No. 2	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	1	X	0	0	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0
Starland County	2	X	0	0	0	0	1	X	1	X
Stettler County No. 6	3	1	2	X	1	X	1	X	3	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.4: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Lettuce		Spinach		Peppers		Pumpkins		Squash and Zucchini	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>52</b>	<b>13</b>	<b>25</b>	<b>5</b>	<b>22</b>	<b>5</b>	<b>37</b>	<b>207</b>	<b>40</b>	<b>81</b>
Bighorn No. 8	1	X	1	X	0	0	1	X	1	X
Calgary	5	X	2	X	1	X	1	X	3	X
Cardston County	2	X	2	X	0	0	1	X	2	X
Cypress County	3	2	0	0	1	X	2	X	0	0
Foothills No. 31	4	X	2	X	3	X	4	1	4	2
Forty Mile County No. 8	2	X	1	X	2	X	3	3	2	X
Lethbridge County	3	1	4	1	2	X	6	5	7	X
Newell County	2	X	1	X	1	X	2	X	2	X
Pincher Creek No. 9	2	X	1	X	2	X	2	X	1	X
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	11	3	5	1	1	X	1	X	6	X
Taber	3	X	0	0	2	X	5	X	2	X
Vulcan County	6	2	3	1	3	0	3	1	4	X
Warner County No. 5	4	2	2	X	3	0	4	4	4	1
Wheatland County	3	X	0	0	0	0	1	X	1	X
Willow Creek No. 26	1	X	1	X	1	X	1	X	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 7.5: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016

	Asparagus, Producing		Asparagus, Non-Producing		Other Vegetables	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>35</b>	<b>72</b>	<b>22</b>	<b>8</b>	<b>225</b>	<b>421</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>5</b>	<b>X</b>
Mackenzie County	0	0	2	X	1	X
Northern Lights County	0	0	0	0	3	X
Northern Sunrise County	0	0	0	0	1	X
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>5</b>	<b>X</b>	<b>2</b>	<b>X</b>
Bonnyville No. 87	1	X	4	3	1	X
Lac la Biche County	0	0	1	X	1	X
Wood Buffalo	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>9</b>	<b>31</b>
Birch Hills County	0	0	0	0	0	0
Clear Hills	0	0	0	0	1	X
Fairview No. 136	0	0	0	0	1	X
Grande Prairie County No. 1	1	X	1	X	5	X
Greenview No. 16	0	0	0	0	1	X
Peace No. 135	1	X	0	0	0	0
Saddle Hills County	1	X	0	0	0	0
Smoky River No. 130	0	0	0	0	1	X
Spirit River No. 133	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>5</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>23</b>	<b>49</b>
Athabasca County	1	X	1	X	3	1
Barrhead County No. 11	0	0	0	0	5	3
Big Lakes	0	0	0	0	2	X
Lac Ste. Anne County	1	X	0	0	4	2
Lesser Slave River No. 124	0	0	0	0	2	X
Westlock County	1	X	0	0	2	X
Woodlands County	0	0	0	0	0	0
Yellowhead County	2	X	0	0	5	30

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 7.5: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016

	Asparagus, Producing		Asparagus, Non-Producing		Other Vegetables	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>15</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>69</b>	<b>180</b>
Beaver County	0	0	0	0	1	X
Brazeau County	0	0	0	0	2	X
Camrose County	1	X	0	0	5	9
Clearwater County	2	X	0	0	2	X
Edmonton	2	X	0	0	6	7
Flagstaff County	0	0	0	0	5	49
Lamont County	0	0	0	0	2	X
Leduc County	2	X	1	X	5	14
Minburn County No. 27	1	X	0	0	2	X
Parkland County	1	X	0	0	8	10
Provost No. 52	0	0	0	0	0	0
Smoky Lake County	0	0	0	0	2	X
St. Paul County No. 19	0	0	0	0	2	X
Strathcona County	0	0	1	X	5	3
Sturgeon County	2	X	1	X	5	5
Thorhild County No. 7	0	0	1	X	3	X
Two Hills County No. 21	0	0	0	0	2	X
Vermilion River County	1	X	1	X	1	X
Wainwright No. 61	0	0	0	0	0	0
Wetaskiwin County No. 10	3	1	1	X	11	56
<b>Red Deer</b>	<b>6</b>	<b>51</b>	<b>1</b>	<b>X</b>	<b>45</b>	<b>64</b>
Kneehill County	0	0	0	0	3	2
Lacombe County	1	X	0	0	6	6
Mountain View County	1	X	1	X	11	15
Paintearth County No. 18	0	0	0	0	0	0
Ponoka County	0	0	0	0	8	22
Red Deer County	3	X	0	0	14	18
Special Area No. 2	0	0	0	0	0	0
Special Area No. 3	0	0	0	0	0	0
Special Area No. 4	0	0	0	0	0	0
Starland County	0	0	0	0	0	0
Stettler County No. 6	1	X	0	0	3	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 7.5: Vegetables Grown for Sale (Excluding Greenhouse Vegetables), 2016**

	Asparagus, Producing		Asparagus, Non-Producing		Other Vegetables	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>5</b>	<b>14</b>	<b>6</b>	<b>4</b>	<b>72</b>	<b>88</b>
Bighorn No. 8	0	0	0	0	2	X
Calgary	0	0	1	X	11	X
Cardston County	0	0	1	X	2	X
Cypress County	0	0	0	0	2	X
Foothills No. 31	1	X	0	0	5	X
Forty Mile County No. 8	1	X	0	0	3	X
Lethbridge County	0	0	0	0	6	5
Newell County	1	X	1	X	4	X
Pincher Creek No. 9	0	0	0	0	3	1
Ranchland No. 66	0	0	0	0	1	X
Rocky View County	0	0	0	0	10	6
Taber	2	X	1	X	0	0
Vulcan County	0	0	1	X	8	16
Warner County No. 5	0	0	1	X	6	X
Wheatland County	0	0	0	0	5	22
Willow Creek No. 26	0	0	0	0	4	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 8.1: Nursery, Sod and Forest Products Grown for Sale, 2016

	Total Nursery Products		Total Sod		Total Area of Christmas Trees		Taps on Maple Trees*		Sales of Forest Products	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	# Taps	# Farms	Dollars
<b>Alberta</b>	<b>369</b>	<b>7,420</b>	<b>27</b>	<b>10,116</b>	<b>83</b>	<b>1,109</b>	<b>0</b>	<b>0</b>	<b>340</b>	<b>3,452,187</b>
<b>Lower Peace</b>	<b>1</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>X</b>
Mackenzie County	0	0	1	X	0	0	0	0	21	308,360
Northern Lights County	0	0	0	0	1	X	0	0	6	X
Northern Sunrise County	1	X	0	0	1	X	0	0	0	0
<b>Lower Athabasca</b>	<b>5</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>X</b>
Bonnyville No. 87	4	50	0	0	2	X	0	0	6	X
Lac la Biche County	1	X	0	0	0	0	0	0	2	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>13</b>	<b>359</b>	<b>2</b>	<b>X</b>	<b>4</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>827,196</b>
Birch Hills County	1	X	0	0	0	0	0	0	1	X
Clear Hills	0	0	0	0	1	X	0	0	9	520,054
Fairview No. 136	0	0	1	X	0	0	0	0	2	X
Grande Prairie County No. 1	10	155	0	0	0	0	0	0	5	79,500
Greenview No. 16	0	0	0	0	1	X	0	0	3	X
Peace No. 135	0	0	1	X	1	X	0	0	0	0
Saddle Hills County	2	X	0	0	1	X	0	0	5	X
Smoky River No. 130	0	0	0	0	0	0	0	0	2	X
Spirit River No. 133	0	0	0	0	0	0	0	0	0	0
<b>Upper Athabasca</b>	<b>20</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>104</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>559,968</b>
Athabasca County	3	63	0	0	1	X	0	0	12	209,698
Barrhead County No. 11	4	48	0	0	2	X	0	0	3	X
Big Lakes	1	X	0	0	0	0	0	0	7	76,613
Lac Ste. Anne County	5	X	0	0	0	0	0	0	5	18,640
Lesser Slave River No. 124	0	0	0	0	0	0	0	0	4	X
Westlock County	5	36	0	0	1	X	0	0	5	X
Woodlands County	0	0	0	0	0	0	0	0	5	55,353
Yellowhead County	2	X	0	0	0	0	0	0	9	38,554

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Some respondents may have reported taps made on birch trees. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 8.1: Nursery, Sod and Forest Products Grown for Sale, 2016**

	Total Nursery Products		Total Sod		Total Area of Christmas Trees		Taps on Maple Trees*		Sales of Forest Products	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	# Taps	# Farms	Dollars
<b>North Saskatchewan</b>	<b>134</b>	<b>2,278</b>	<b>14</b>	<b>5,740</b>	<b>28</b>	<b>370</b>	<b>0</b>	<b>0</b>	<b>106</b>	<b>545,111</b>
Beaver County	3	53	0	0	0	0	0	0	4	X
Brazeau County	2	X	0	0	1	X	0	0	4	8,300
Camrose County	3	5	0	0	1	X	0	0	4	5,273
Clearwater County	8	131	1	X	3	X	0	0	8	31,775
Edmonton	7	243	0	0	1	X	0	0	0	0
Flagstaff County	2	X	0	0	0	0	0	0	5	X
Lamont County	6	37	0	0	0	0	0	0	4	X
Leduc County	30	585	2	X	6	89	0	0	4	5,020
Minburn County No. 27	3	31	0	0	1	X	0	0	4	13,715
Parkland County	23	X	1	X	2	X	0	0	9	143,166
Provost No. 52	0	0	0	0	0	0	0	0	3	3,000
Smoky Lake County	3	X	0	0	0	0	0	0	2	X
St. Paul County No. 19	1	X	0	0	0	0	0	0	12	44,993
Strathcona County	18	175	2	X	4	14	0	0	6	X
Sturgeon County	11	447	6	1,120	2	X	0	0	6	X
Thorhild County No. 7	1	X	0	0	1	X	0	0	6	15,224
Two Hills County No. 21	0	0	1	X	0	0	0	0	4	5,540
Vermilion River County	5	33	0	0	0	0	0	0	3	5,000
Wainwright No. 61	0	0	0	0	0	0	0	0	5	13,680
Wetaskiwin County No. 10	8	X	1	X	6	133	0	0	13	40,968
<b>Red Deer</b>	<b>80</b>	<b>1,522</b>	<b>4</b>	<b>1,911</b>	<b>26</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>277,982</b>
Kneehill County	8	88	0	0	0	0	0	0	5	X
Lacombe County	17	X	1	X	9	77	0	0	6	8,859
Mountain View County	25	X	1	X	3	11	0	0	10	30,317
Paintearth County No. 18	1	X	0	0	0	0	0	0	5	37,651
Ponoka County	5	32	0	0	3	17	0	0	6	4,761
Red Deer County	22	X	2	X	9	95	0	0	14	23,968
Special Area No. 2	0	0	0	0	1	X	0	0	4	103,000
Special Area No. 3	0	0	0	0	0	0	0	0	5	X
Special Area No. 4	0	0	0	0	0	0	0	0	2	X
Starland County	1	X	0	0	0	0	0	0	0	0
Stettler County No. 6	1	X	0	0	1	X	0	0	3	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Some respondents may have reported taps made on birch trees. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 8.1: Nursery, Sod and Forest Products Grown for Sale, 2016**

	Total Nursery Products		Total Sod		Total Area of Christmas Trees		Taps on Maple Trees*		Sales of Forest Products	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	# Taps	# Farms	Dollars
<b>South Saskatchewan</b>	<b>116</b>	<b>3,026</b>	<b>6</b>	<b>2,070</b>	<b>17</b>	<b>285</b>	<b>0</b>	<b>0</b>	<b>62</b>	<b>485,765</b>
Bighorn No. 8	1	X	0	0	0	0	0	0	3	X
Calgary	1	X	0	0	0	0	0	0	0	0
Cardston County	2	X	0	0	2	X	0	0	5	33,331
Cypress County	4	X	1	X	2	X	0	0	3	X
Foothills No. 31	32	X	1	X	4	X	0	0	10	29,807
Forty Mile County No. 8	1	X	0	0	0	0	0	0	2	X
Lethbridge County	14	X	1	X	2	X	0	0	6	6,749
Newell County	4	56	0	0	1	X	0	0	2	X
Pincher Creek No. 9	1	X	0	0	0	0	0	0	6	45,100
Ranchland No. 66	1	X	0	0	0	0	0	0	0	0
Rocky View County	29	778	0	0	3	135	0	0	11	85,836
Taber	4	X	2	X	0	0	0	0	2	X
Vulcan County	1	X	0	0	0	0	0	0	3	5,555
Warner County No. 5	4	33	0	0	0	0	0	0	3	X
Wheatland County	15	X	1	X	1	X	0	0	2	X
Willow Creek No. 26	2	X	0	0	2	X	0	0	4	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Some respondents may have reported taps made on birch trees. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 9.1: Farm Land Area Classified by Use of Land, 2016**

	Total Area of Farms		Land in Crops		Summerfallow		Tame or Seeded Pasture		Natural Land for Pasture	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>40,638</b>	<b>50,250,183</b>	<b>33,866</b>	<b>25,261,781</b>	<b>3,660</b>	<b>644,021</b>	<b>16,077</b>	<b>5,421,962</b>	<b>21,444</b>	<b>15,861,059</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>1,441,474</b>	<b>1,057</b>	<b>890,322</b>	<b>194</b>	<b>30,348</b>	<b>373</b>	<b>109,789</b>	<b>333</b>	<b>173,301</b>
Mackenzie County	610	595,648	581	371,972	125	21,751	195	32,911	155	54,743
Northern Lights County	375	556,778	348	347,053	57	7,624	137	50,753	137	80,154
Northern Sunrise County	149	289,048	128	171,297	12	973	41	26,125	41	38,404
<b>Lower Athabasca</b>	<b>894</b>	<b>987,874</b>	<b>745</b>	<b>338,317</b>	<b>103</b>	<b>X</b>	<b>444</b>	<b>X</b>	<b>609</b>	<b>X</b>
Bonnyville No. 87	650	706,085	544	239,816	75	8,250	321	121,842	454	264,193
Lac la Biche County	238	280,416	197	97,619	27	1,914	122	36,143	153	94,028
Wood Buffalo	6	1,373	4	882	1	X	1	X	2	X
<b>Upper Peace</b>	<b>3,347</b>	<b>4,523,296</b>	<b>3,016</b>	<b>2,845,002</b>	<b>386</b>	<b>47,812</b>	<b>1,273</b>	<b>448,235</b>	<b>1,371</b>	<b>745,151</b>
Birch Hills County	182	463,260	172	323,869	9	3,457	55	34,752	61	72,033
Clear Hills	390	524,958	353	271,381	52	6,399	170	70,601	187	115,315
Fairview No. 136	202	298,024	189	233,276	14	1,229	56	11,388	58	28,726
Grande Prairie County No. 1	1,113	1,058,090	979	591,167	134	15,052	453	133,826	497	196,985
Greenview No. 16	534	653,706	459	293,024	75	8,495	262	99,164	292	178,827
Peace No. 135	129	190,797	116	107,084	14	1,117	55	19,801	58	48,324
Saddle Hills County	381	535,279	360	344,404	53	6,326	150	61,563	140	59,861
Smoky River No. 130	306	634,102	289	545,973	21	3,393	38	11,711	41	35,027
Spirit River No. 133	110	165,080	99	134,824	14	2,344	34	5,429	37	10,053
<b>Upper Athabasca</b>	<b>4,143</b>	<b>3,354,357</b>	<b>3,432</b>	<b>1,637,266</b>	<b>385</b>	<b>X</b>	<b>1,984</b>	<b>X</b>	<b>2,305</b>	<b>X</b>
Athabasca County	650	561,234	551	274,787	95	8,257	298	81,615	377	118,675
Barrhead County No. 11	681	525,826	582	301,254	41	2,440	312	93,730	311	72,566
Big Lakes	306	370,479	254	157,412	40	4,018	161	61,572	164	90,601
Lac Ste. Anne County	794	493,384	623	216,678	54	3,696	412	96,617	507	120,247
Lesser Slave River No. 124	131	119,067	116	41,647	18	1,084	67	17,928	77	37,277
Westlock County	744	663,422	638	435,461	51	3,158	321	87,849	317	84,818
Woodlands County	226	167,563	183	54,995	21	2,967	106	26,323	162	60,666
Yellowhead County	611	453,382	485	155,032	65	X	307	X	390	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 9.1: Farm Land Area Classified by Use of Land, 2016**

	Total Area of Farms		Land in Crops		Summerfallow		Tame or Seeded Pasture		Natural Land for Pasture	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>13,097</b>	<b>12,295,862</b>	<b>10,978</b>	<b>6,962,228</b>	<b>927</b>	<b>96,465</b>	<b>5,223</b>	<b>1,559,039</b>	<b>7,129</b>	<b>2,739,042</b>
Beaver County	631	675,571	526	435,385	44	6,528	211	68,271	377	115,053
Brazeau County	426	288,437	333	71,919	35	2,286	212	64,157	281	110,140
Camrose County	962	828,213	823	620,421	47	4,444	334	57,156	458	87,968
Clearwater County	1,013	674,831	790	165,053	66	3,820	527	105,279	704	328,108
Edmonton	133	68,033	88	36,338	14	915	23	11,945	41	15,887
Flagstaff County	638	971,638	587	694,020	35	6,340	211	88,338	302	113,814
Lamont County	689	583,418	621	398,381	65	5,462	177	31,692	331	110,364
Leduc County	1,088	531,518	925	354,020	69	5,774	431	70,577	501	60,637
Minburn County No. 27	594	719,024	542	496,297	28	3,093	205	82,376	306	90,198
Parkland County	679	375,449	502	187,021	53	4,026	328	77,790	363	64,390
Provost No. 52	410	883,849	361	370,306	56	14,910	192	120,492	257	325,454
Smoky Lake County	419	455,656	371	209,995	38	2,925	172	42,918	245	159,478
St. Paul County No. 19	680	733,009	583	293,577	53	3,956	301	125,718	413	247,298
Strathcona County	579	224,475	407	164,078	35	1,217	175	18,418	301	24,816
Sturgeon County	730	479,508	608	377,722	44	2,848	240	36,799	265	36,471
Thorhild County No. 7	382	319,421	345	184,950	43	2,629	148	40,170	178	59,730
Two Hills County No. 21	503	522,206	447	329,226	35	3,482	195	62,485	290	88,551
Vermilion River County	1,052	1,379,867	888	763,580	79	12,622	483	209,085	649	303,450
Wainwright No. 61	535	966,395	456	488,323	40	6,496	220	126,825	304	287,538
Wetaskiwin County No. 10	954	615,344	775	321,616	48	2,692	438	118,548	563	109,697
<b>Red Deer</b>	<b>8,439</b>	<b>11,156,409</b>	<b>6,888</b>	<b>4,969,691</b>	<b>791</b>	<b>236,350</b>	<b>3,556</b>	<b>1,368,513</b>	<b>4,887</b>	<b>4,095,155</b>
Kneehill County	700	830,836	603	650,251	35	4,747	182	32,168	332	117,378
Lacombe County	1,034	683,718	828	411,529	45	4,389	403	90,714	509	125,496
Mountain View County	1,542	944,761	1,211	479,698	82	3,430	593	99,764	936	305,577
Paintearth County No. 18	402	735,163	344	327,995	40	9,359	206	135,633	276	228,545
Ponoka County	1,097	737,616	833	366,731	52	4,948	533	127,358	642	186,109
Red Deer County	1,460	1,022,351	1,189	602,630	86	8,198	653	151,083	729	194,022
Special Area No. 2	460	2,033,341	365	332,638	119	53,722	225	242,576	365	1,373,930
Special Area No. 3	448	1,525,402	407	610,150	195	109,399	175	140,569	269	608,243
Special Area No. 4	284	1,017,378	249	314,351	61	23,310	147	140,480	210	507,771
Starland County	309	637,609	278	419,862	40	6,516	97	49,556	158	142,663
Stettler County No. 6	703	988,234	581	453,856	36	8,332	342	158,612	461	305,421

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 9.1: Farm Land Area Classified by Use of Land, 2016**

	Total Area of Farms		Land in Crops		Summerfallow		Tame or Seeded Pasture		Natural Land for Pasture	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>9,584</b>	<b>16,490,911</b>	<b>7,750</b>	<b>7,618,955</b>	<b>874</b>	<b>193,501</b>	<b>3,224</b>	<b>1,241,904</b>	<b>4,810</b>	<b>7,004,466</b>
Bighorn No. 8	54	143,392	25	5,957	2	X	23	8,714	46	99,652
Calgary	145	107,681	92	48,332	6	401	30	16,262	53	31,834
Cardston County	475	999,926	393	427,119	18	1,848	160	84,514	303	466,862
Cypress County	805	2,293,124	610	497,102	118	31,195	324	188,984	491	1,550,261
Foothills No. 31	1,083	916,837	818	355,804	40	2,645	355	85,469	625	438,434
Forty Mile County No. 8	498	1,795,795	445	927,614	141	57,332	127	63,424	213	724,018
Lethbridge County	906	752,240	786	576,378	73	9,495	230	61,180	220	75,647
Newell County	668	1,458,747	542	395,170	64	13,367	288	107,170	297	912,112
Pincher Creek No. 9	439	682,345	323	180,477	9	X	117	53,451	360	421,669
Ranchland No. 66	68	403,227	26	8,691	1	X	19	18,702	56	370,146
Rocky View County	1,135	1,067,006	895	497,938	54	3,017	390	119,805	654	399,945
Taber	633	994,664	558	644,382	115	15,611	184	52,623	216	254,836
Vulcan County	608	1,480,777	542	1,069,874	64	16,483	210	99,214	245	254,979
Warner County No. 5	462	1,130,210	421	692,662	94	28,736	154	72,995	207	312,669
Wheatland County	810	1,130,720	694	833,960	59	10,912	273	90,199	367	166,355
Willow Creek No. 26	795	1,134,220	580	457,495	16	755	340	119,198	457	525,047

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**Table 9.2: Farm Land Area Classified by Use of Land, 2016**

	Woodlands and Wetlands		Total Area of Christmas Trees		All Other Land	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>14,717</b>	<b>1,956,371</b>	<b>83</b>	<b>1,109</b>	<b>26,753</b>	<b>1,103,880</b>
<b>Lower Peace</b>	<b>632</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>787</b>	<b>38,453</b>
Mackenzie County	355	94,743	0	0	436	19,528
Northern Lights County	201	X	1	X	251	13,802
Northern Sunrise County	76	X	1	X	100	5,123
<b>Lower Athabasca</b>	<b>490</b>	<b>94,299</b>	<b>2</b>	<b>X</b>	<b>618</b>	<b>X</b>
Bonnyville No. 87	329	X	2	X	447	17,218
Lac la Biche County	160	39,477	0	0	169	11,235
Wood Buffalo	1	X	0	0	2	X
<b>Upper Peace</b>	<b>1,631</b>	<b>299,656</b>	<b>4</b>	<b>35</b>	<b>2,290</b>	<b>137,405</b>
Birch Hills County	101	22,563	0	0	115	6,586
Clear Hills	192	X	1	X	284	24,051
Fairview No. 136	79	16,207	0	0	128	7,198
Grande Prairie County No. 1	531	79,321	0	0	779	41,739
Greenview No. 16	282	X	1	X	380	21,063
Peace No. 135	62	X	1	X	86	3,178
Saddle Hills County	189	X	1	X	272	21,664
Smoky River No. 130	141	29,955	0	0	181	8,043
Spirit River No. 133	54	8,547	0	0	65	3,883
<b>Upper Athabasca</b>	<b>2,107</b>	<b>299,095</b>	<b>4</b>	<b>104</b>	<b>2,921</b>	<b>X</b>
Athabasca County	378	X	1	X	455	15,785
Barrhead County No. 11	354	X	2	X	490	16,962
Big Lakes	180	45,313	0	0	206	11,563
Lac Ste. Anne County	375	39,109	0	0	580	17,037
Lesser Slave River No. 124	75	15,717	0	0	87	5,414
Westlock County	326	X	1	X	504	19,957
Woodlands County	116	17,206	0	0	165	5,406
Yellowhead County	303	X	0	0	434	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 9.2: Farm Land Area Classified by Use of Land, 2016**

	Woodlands and Wetlands		Total Area of Christmas Trees		All Other Land	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>5,632</b>	<b>622,588</b>	<b>28</b>	<b>370</b>	<b>8,841</b>	<b>316,130</b>
Beaver County	266	29,537	0	0	424	20,797
Brazeau County	196	X	1	X	311	8,671
Camrose County	439	X	1	X	682	24,186
Clearwater County	517	X	3	X	748	16,731
Edmonton	47	X	1	X	82	1,282
Flagstaff County	295	45,383	0	0	406	23,743
Lamont County	308	25,794	0	0	452	11,725
Leduc County	412	24,422	6	89	762	15,999
Minburn County No. 27	257	X	1	X	377	16,213
Parkland County	305	X	2	X	472	13,822
Provost No. 52	147	29,283	0	0	254	23,404
Smoky Lake County	186	29,048	0	0	278	11,292
St. Paul County No. 19	295	41,664	0	0	453	20,796
Strathcona County	234	11,022	4	14	387	4,910
Sturgeon County	265	X	2	X	482	13,546
Thorhild County No. 7	168	X	1	X	264	12,494
Two Hills County No. 21	239	27,143	0	0	330	11,319
Vermilion River County	428	60,777	0	0	645	30,353
Wainwright No. 61	204	40,924	0	0	329	16,289
Wetaskiwin County No. 10	424	44,100	6	133	703	18,558
<b>Red Deer</b>	<b>2,830</b>	<b>X</b>	<b>26</b>	<b>X</b>	<b>5,611</b>	<b>234,538</b>
Kneehill County	127	8,473	0	0	404	17,819
Lacombe County	452	32,060	9	77	713	19,453
Mountain View County	478	29,659	3	11	1,061	26,622
Paintearth County No. 18	124	15,963	0	0	271	17,668
Ponoka County	443	33,179	3	17	753	19,274
Red Deer County	599	38,694	9	95	1,029	27,629
Special Area No. 2	95	X	1	X	295	18,440
Special Area No. 3	101	18,479	0	0	266	38,562
Special Area No. 4	74	15,915	0	0	160	15,551
Starland County	64	8,964	0	0	194	10,048
Stettler County No. 6	273	X	1	X	465	23,472

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**Table 9.2: Farm Land Area Classified by Use of Land, 2016**

	Woodlands and Wetlands		Total Area of Christmas Trees		All Other Land	
	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>1,395</b>	<b>189,621</b>	<b>17</b>	<b>285</b>	<b>5,685</b>	<b>242,179</b>
Bighorn No. 8	22	26,799	0	0	32	X
Calgary	26	8,261	0	0	81	2,591
Cardston County	76	X	2	X	256	10,614
Cypress County	76	X	2	X	467	16,317
Foothills No. 31	245	X	4	X	688	19,791
Forty Mile County No. 8	41	7,881	0	0	266	15,526
Lethbridge County	79	X	2	X	541	24,253
Newell County	75	X	1	X	399	20,247
Pincher Creek No. 9	102	16,988	0	0	274	X
Ranchland No. 66	10	3,816	0	0	30	X
Rocky View County	238	28,454	3	135	731	17,712
Taber	46	7,434	0	0	349	19,778
Vulcan County	71	7,930	0	0	330	32,297
Warner County No. 5	42	8,758	0	0	278	14,390
Wheatland County	139	X	1	X	468	21,262
Willow Creek No. 26	107	X	2	X	495	15,203

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**Table 10.1: Farms Classified by Area in Crops and Summerfallow, 2016**

	Total # Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,999 Acres	2,000-3,499 Acres	3,500 Acres and Over
<b>Alberta</b>	<b>34,077</b>	<b>881</b>	<b>4,660</b>	<b>4,767</b>	<b>3,601</b>	<b>2,092</b>	<b>4,478</b>	<b>2,792</b>	<b>2,223</b>	<b>2,577</b>	<b>2,874</b>	<b>1,804</b>	<b>1,328</b>
<b>Lower Peace</b>	<b>1,065</b>	<b>12</b>	<b>70</b>	<b>135</b>	<b>109</b>	<b>65</b>	<b>160</b>	<b>105</b>	<b>95</b>	<b>97</b>	<b>121</b>	<b>45</b>	<b>51</b>
Mackenzie County	587	6	35	79	61	35	97	61	59	58	62	20	14
Northern Lights County	350	5	24	40	37	26	48	36	24	31	44	14	21
Northern Sunrise County	128	1	11	16	11	4	15	8	12	8	15	11	16
<b>Lower Athabasca</b>	<b>750</b>	<b>18</b>	<b>83</b>	<b>115</b>	<b>70</b>	<b>74</b>	<b>136</b>	<b>77</b>	<b>53</b>	<b>60</b>	<b>38</b>	<b>17</b>	<b>9</b>
Bonnyville No. 87	547	15	65	82	55	57	97	54	34	41	30	12	5
Lac la Biche County	199	3	18	33	13	17	37	23	19	19	8	5	4
Wood Buffalo	4	0	0	0	2	0	2	0	0	0	0	0	0
<b>Upper Peace</b>	<b>3,035</b>	<b>41</b>	<b>269</b>	<b>386</b>	<b>300</b>	<b>183</b>	<b>407</b>	<b>262</b>	<b>230</b>	<b>254</b>	<b>327</b>	<b>222</b>	<b>154</b>
Birch Hills County	173	1	11	13	7	6	16	9	16	22	25	24	23
Clear Hills	353	6	22	39	51	20	59	35	21	27	37	23	13
Fairview No. 136	190	2	16	16	23	6	19	17	12	8	33	20	18
Grande Prairie County No. 1	988	22	106	160	93	72	141	87	76	71	93	52	15
Greenview No. 16	461	5	58	79	54	45	66	43	37	32	16	15	11
Peace No. 135	116	1	9	14	7	9	10	9	10	12	16	17	2
Saddle Hills County	362	2	25	36	32	16	65	46	26	42	36	14	22
Smoky River No. 130	291	2	11	21	22	7	22	7	18	33	61	49	38
Spirit River No. 133	101	0	11	8	11	2	9	9	14	7	10	8	12
<b>Upper Athabasca</b>	<b>3,466</b>	<b>84</b>	<b>542</b>	<b>539</b>	<b>384</b>	<b>269</b>	<b>481</b>	<b>334</b>	<b>250</b>	<b>231</b>	<b>212</b>	<b>91</b>	<b>49</b>
Athabasca County	555	11	80	77	66	47	90	52	39	30	34	17	12
Barrhead County No. 11	589	16	89	77	76	32	76	64	36	48	48	21	6
Big Lakes	257	3	25	35	17	26	42	29	27	19	17	11	6
Lac Ste. Anne County	631	18	94	120	83	52	89	62	47	39	17	7	3
Lesser Slave River No. 124	117	1	24	25	5	10	22	13	7	3	4	1	2
Westlock County	641	17	79	59	79	43	81	56	58	64	58	28	19
Woodlands County	186	5	50	29	20	13	18	18	15	7	10	1	0
Yellowhead County	490	13	101	117	38	46	63	40	21	21	24	5	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 10.1: Farms Classified by Area in Crops and Summerfallow, 2016**

	Total # Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,999 Acres	2,000-3,499 Acres	3,500 Acres and Over
<b>North Saskatchewan</b>	<b>11,052</b>	<b>301</b>	<b>1,655</b>	<b>1,645</b>	<b>1,199</b>	<b>728</b>	<b>1,456</b>	<b>869</b>	<b>694</b>	<b>777</b>	<b>862</b>	<b>541</b>	<b>325</b>
Beaver County	528	6	59	70	52	38	64	40	39	31	64	42	23
Brazeau County	337	10	80	85	47	31	41	16	13	8	4	1	1
Camrose County	825	19	110	110	71	48	84	62	62	76	102	58	23
Clearwater County	799	18	181	201	96	72	107	64	36	16	7	1	0
Edmonton	90	13	16	21	8	5	8	4	2	2	5	5	1
Flagstaff County	589	16	27	39	46	16	78	42	56	74	88	72	35
Lamont County	624	10	86	86	75	47	99	48	36	46	42	27	22
Leduc County	936	31	177	179	114	74	132	68	45	45	43	18	10
Minburn County No. 27	544	9	48	50	55	33	77	50	40	51	55	48	28
Parkland County	509	32	130	88	38	35	57	36	26	34	16	7	10
Provost No. 52	362	3	15	33	27	22	54	34	32	42	47	33	20
Smoky Lake County	371	8	43	58	57	28	41	28	29	32	24	14	9
St. Paul County No. 19	587	8	69	90	63	40	100	54	50	44	45	20	4
Strathcona County	414	41	140	59	43	26	35	19	10	9	20	4	8
Sturgeon County	615	18	138	86	69	30	69	46	32	35	43	27	22
Thorhild County No. 7	346	6	44	44	56	21	57	25	27	31	17	11	7
Two Hills County No. 21	448	6	29	68	52	31	68	40	26	43	44	23	18
Vermilion River County	891	19	84	85	108	49	112	72	55	84	109	76	38
Wainwright No. 61	458	5	25	48	40	22	73	40	39	41	51	42	32
Wetaskiwin County No. 10	779	23	154	145	82	60	100	81	39	33	36	12	14
<b>Red Deer</b>	<b>6,928</b>	<b>171</b>	<b>920</b>	<b>979</b>	<b>712</b>	<b>391</b>	<b>905</b>	<b>548</b>	<b>459</b>	<b>587</b>	<b>621</b>	<b>385</b>	<b>250</b>
Kneehill County	603	13	63	45	50	22	71	47	54	62	79	62	35
Lacombe County	831	23	161	111	98	51	120	59	46	72	53	23	14
Mountain View County	1,216	43	219	257	166	69	137	82	62	84	53	34	10
Paintearth County No. 18	347	6	27	42	22	18	41	38	21	37	55	21	19
Ponoka County	840	23	123	149	104	60	137	81	55	40	39	18	11
Red Deer County	1,201	46	222	200	133	68	149	95	64	83	75	43	23
Special Area No. 2	367	0	21	28	23	20	53	35	30	53	62	27	15
Special Area No. 3	408	2	10	19	25	11	39	34	28	48	80	67	45
Special Area No. 4	251	1	10	14	13	7	43	19	25	36	30	26	27
Starland County	282	5	18	27	22	14	24	11	22	31	50	31	27
Stettler County No. 6	582	9	46	87	56	51	91	47	52	41	45	33	24

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 10.1: Farms Classified by Area in Crops and Summerfallow, 2016**

	Total # Farms	Under 10 Acres	10-69 Acres	70-129 Acres	130-179 Acres	180-239 Acres	240-399 Acres	400-559 Acres	560-759 Acres	760-1,119 Acres	1,120-1,999 Acres	2,000-3,499 Acres	3,500 Acres and Over
<b>South Saskatchewan</b>	<b>7,781</b>	<b>254</b>	<b>1,121</b>	<b>968</b>	<b>827</b>	<b>382</b>	<b>933</b>	<b>597</b>	<b>442</b>	<b>571</b>	<b>693</b>	<b>503</b>	<b>490</b>
Bighorn No. 8	25	4	4	5	3	1	2	3	1	0	2	0	0
Calgary	94	14	16	9	13	3	8	5	7	7	8	2	2
Cardston County	394	7	72	61	47	24	51	21	21	22	15	20	33
Cypress County	612	16	79	76	71	38	76	55	44	48	50	33	26
Foothills No. 31	822	51	200	143	107	36	85	52	28	41	38	27	14
Forty Mile County No. 8	446	7	18	14	32	12	32	35	31	47	79	64	75
Lethbridge County	790	25	100	110	108	46	117	67	51	47	60	34	25
Newell County	543	8	45	57	66	39	106	55	48	48	36	11	24
Pincher Creek No. 9	324	8	70	53	30	29	40	26	19	20	19	4	6
Ranchland No. 66	27	2	8	2	5	1	4	0	1	2	1	1	0
Rocky View County	902	46	204	154	94	48	96	51	39	50	64	26	30
Taber	559	12	68	58	59	23	66	43	31	53	54	47	45
Vulcan County	542	6	36	33	47	11	44	49	33	50	78	73	82
Warner County No. 5	423	12	42	31	22	13	45	32	30	38	60	49	49
Wheatland County	694	20	80	66	53	21	78	59	29	66	97	71	54
Willow Creek No. 26	584	16	79	96	70	37	83	44	29	32	32	41	25

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 11.1: Greenhouse Products Grown for Sale, 2016

	Total Greenhouse Area									
	Under Protection		In Use		Greenhouse Flowers		Greenhouse Vegetables		Other Greenhouse Products	
	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet
<b>Alberta</b>	<b>364</b>	<b>12,676,835</b>	<b>364</b>	<b>12,647,517</b>	<b>216</b>	<b>5,203,806</b>	<b>170</b>	<b>6,816,967</b>	<b>116</b>	<b>626,744</b>
<b>Lower Peace</b>	<b>7</b>	<b>X</b>	<b>7</b>	<b>X</b>	<b>3</b>	<b>17,000</b>	<b>3</b>	<b>X</b>	<b>4</b>	<b>4,650</b>
Northern Sunrise County	0	0	0	0	0	0	0	0	0	0
Mackenzie County	6	26,644	6	26,474	2	X	3	X	3	X
Northern Lights County	1	X	1	X	1	X	0	0	1	X
<b>Lower Athabasca</b>	<b>8</b>	<b>X</b>	<b>8</b>	<b>X</b>	<b>6</b>	<b>37,662</b>	<b>2</b>	<b>X</b>	<b>4</b>	<b>3,910</b>
Bonnyville No. 87	5	33,666	5	33,632	3	X	1	X	3	X
Lac la Biche County	2	X	2	X	2	X	0	0	0	0
Wood Buffalo	1	X	1	X	1	X	1	X	1	X
<b>Upper Peace</b>	<b>22</b>	<b>X</b>	<b>22</b>	<b>207,100</b>	<b>13</b>	<b>163,915</b>	<b>13</b>	<b>16,220</b>	<b>5</b>	<b>26,965</b>
Birch Hills County	1	X	1	X	1	X	1	X	0	0
Clear Hills	0	0	0	0	0	0	0	0	0	0
Fairview No. 136	2	X	2	X	1	X	2	X	0	0
Grande Prairie County No. 1	10	131,649	10	131,515	5	111,190	5	X	3	X
Greenview No. 16	5	6,250	5	6,250	3	X	3	1,100	1	X
Peace No. 135	0	0	0	0	0	0	0	0	0	0
Saddle Hills County	2	X	2	X	1	X	1	X	0	0
Smoky River No. 130	1	X	1	X	1	X	0	0	1	X
Spirit River No. 133	1	X	1	X	1	X	1	X	0	0
<b>Upper Athabasca</b>	<b>43</b>	<b>X</b>	<b>43</b>	<b>247,763</b>	<b>27</b>	<b>192,181</b>	<b>21</b>	<b>20,014</b>	<b>18</b>	<b>35,568</b>
Athabasca County	4	X	4	X	1	X	3	X	1	X
Barrhead County No. 11	5	49,900	5	47,720	5	X	0	0	1	X
Big Lakes	2	X	2	X	1	X	2	X	0	0
Lac Ste. Anne County	14	87,592	14	86,237	9	75,449	6	4,440	7	6,348
Lesser Slave River No. 124	1	X	1	X	0	0	0	0	1	X
Westlock County	7	X	7	X	5	27,612	4	7,624	3	X
Woodlands County	1	X	1	X	0	0	0	0	1	X
Yellowhead County	9	42,244	9	42,244	6	33,200	6	5,444	4	3,600

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Table 11.1: Greenhouse Products Grown for Sale, 2016

	Total Greenhouse Area									
	Under Protection		In Use		Greenhouse Flowers		Greenhouse Vegetables		Other Greenhouse Products	
	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet
<b>North Saskatchewan</b>	<b>129</b>	<b>X</b>	<b>129</b>	<b>1,885,854</b>	<b>90</b>	<b>1,429,748</b>	<b>51</b>	<b>156,218</b>	<b>47</b>	<b>299,888</b>
Beaver County	1	X	1	X	0	0	1	X	0	0
Brazeau County	3	X	3	X	1	X	2	X	0	0
Camrose County	8	52,980	8	52,980	6	40,650	5	X	4	X
Clearwater County	8	34,668	8	34,618	4	30,600	5	X	2	X
Edmonton	15	315,087	15	315,087	11	241,409	3	48,500	6	25,178
Flagstaff County	6	25,500	6	25,500	5	21,640	4	X	2	X
Lamont County	3	X	3	X	3	52,340	0	0	1	X
Leduc County	12	135,736	12	134,836	8	112,708	5	7,800	3	14,328
Minburn County No. 27	3	X	3	X	0	0	3	X	0	0
Parkland County	15	187,024	15	186,424	10	142,800	6	22,524	7	21,100
Provost No. 52	0	0	0	0	0	0	0	0	0	0
Smoky Lake County	4	173,240	4	173,240	3	X	1	X	3	X
St. Paul County No. 19	2	X	2	X	1	X	0	0	2	X
Strathcona County	17	443,620	17	443,338	11	384,400	4	X	5	X
Sturgeon County	12	261,143	12	260,712	11	X	3	X	5	1,953
Thorhild County No. 7	5	21,200	5	21,200	3	13,800	2	X	3	X
Two Hills County No. 21	0	0	0	0	0	0	0	0	0	0
Vermilion River County	6	X	6	X	6	43,440	3	1,600	2	X
Wainwright No. 61	1	X	1	X	1	X	1	X	0	0
Wetaskiwin County No. 10	8	X	8	X	6	59,969	3	397	2	X
<b>Red Deer</b>	<b>62</b>	<b>X</b>	<b>62</b>	<b>1,998,228</b>	<b>39</b>	<b>1,133,602</b>	<b>25</b>	<b>822,914</b>	<b>15</b>	<b>41,712</b>
Kneehill County	4	6,520	4	6,520	2	X	1	X	1	X
Lacombe County	12	1,177,022	12	1,177,006	7	417,000	4	734,706	3	25,300
Mountain View County	15	106,378	15	102,256	7	58,800	10	X	3	X
Paintearth County No. 18	1	X	1	X	1	X	0	0	0	0
Ponoka County	5	36,650	5	35,850	4	29,250	0	0	3	6,600
Red Deer County	19	556,958	19	554,838	12	515,306	9	35,976	4	3,556
Special Area No. 2	0	0	0	0	0	0	0	0	0	0
Special Area No. 3	1	X	1	X	1	X	1	X	0	0
Special Area No. 4	0	0	0	0	0	0	0	0	0	0
Starland County	2	X	2	X	2	X	0	0	0	0
Stettler County No. 6	3	X	3	X	3	X	0	0	1	X

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**Table 11.1: Greenhouse Products Grown for Sale, 2016**

	Total Greenhouse Area				Greenhouse Flowers		Greenhouse Vegetables		Other Greenhouse Products	
	Under Protection		In Use							
	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet	# Farms	Sq. feet
South Saskatchewan	93	X	93	8,231,816	38	2,229,698	55	5,788,067	23	214,051
Bighorn No. 8	2	X	2	X	0	0	2	X	0	0
Calgary	5	6,094	5	6,094	0	0	4	X	1	X
Cardston County	1	X	1	X	0	0	1	X	0	0
Cypress County	27	5,774,595	27	5,771,595	2	X	25	X	2	X
Foothills No. 31	8	131,348	8	130,648	7	115,458	4	X	2	X
Forty Mile County No. 8	3	X	3	X	1	X	2	X	1	X
Lethbridge County	7	X	7	X	3	X	3	X	3	X
Newell County	2	X	2	X	2	X	1	X	1	X
Pincher Creek No. 9	2	X	2	X	2	X	0	0	0	0
Ranchland No. 66	1	X	1	X	1	X	0	0	1	X
Rocky View County	19	202,340	19	202,340	11	125,290	7	55,669	5	21,381
Taber	1	X	1	X	1	X	1	X	0	0
Vulcan County	4	X	4	X	1	X	2	X	2	X
Warner County No. 5	1	X	1	X	1	X	0	0	0	0
Wheatland County	7	333,600	7	333,600	5	X	1	X	4	20,300
Willow Creek No. 26	3	X	3	X	1	X	2	X	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 11.2: Mushrooms Grown for Sale, 2016

	Total Growing Area for Mushrooms	
	# Farms	Sq. Feet
<b>Alberta</b>	<b>4</b>	<b>X</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>
Mackenzie County	0	0
Northern Lights County	0	0
Northern Sunrise County	0	0
<b>Lower Athabasca</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	0	0
Lac la Biche County	0	0
Wood Buffalo	0	0
<b>Upper Peace</b>	<b>0</b>	<b>0</b>
Birch Hills County	0	0
Clear Hills	0	0
Fairview No. 136	0	0
Grande Prairie County No. 1	0	0
Greenview No. 16	0	0
Peace No. 135	0	0
Saddle Hills County	0	0
Smoky River No. 130	0	0
Spirit River No. 133	0	0
<b>Upper Athabasca</b>	<b>0</b>	<b>0</b>
Athabasca County	0	0
Barrhead County No. 11	0	0
Big Lakes	0	0
Lac Ste. Anne County	0	0
Lesser Slave River No. 124	0	0
Westlock County	0	0
Woodlands County	0	0
Yellowhead County	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 11.2: Mushrooms Grown for Sale, 2016

	Total Growing Area for Mushrooms	
	# Farms	Sq. Feet
<b>North Saskatchewan</b>	<b>1</b>	<b>X</b>
Beaver County	0	0
Brazeau County	0	0
Camrose County	0	0
Clearwater County	0	0
Edmonton	0	0
Flagstaff County	0	0
Lamont County	0	0
Leduc County	0	0
Minburn County No. 27	0	0
Parkland County	0	0
Provost No. 52	0	0
Smoky Lake County	0	0
St. Paul County No. 19	0	0
Strathcona County	1	X
Sturgeon County	0	0
Thorhild County No. 7	0	0
Two Hills County No. 21	0	0
Vermilion River County	0	0
Wainwright No. 61	0	0
Wetaskiwin County No. 10	0	0
<b>Red Deer</b>	<b>1</b>	<b>X</b>
Kneehill County	0	0
Lacombe County	0	0
Mountain View County	1	X
Paintearth County No. 18	0	0
Ponoka County	0	0
Red Deer County	0	0
Special Area No. 2	0	0
Special Area No. 3	0	0
Special Area No. 4	0	0
Starland County	0	0
Stettler County No. 6	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 11.2: Mushrooms Grown for Sale, 2016

	Total Growing Area for Mushrooms	
	# Farms	Sq. Feet
<b>South Saskatchewan</b>	<b>2</b>	<b>X</b>
Bighorn No. 8	0	0
Calgary	1	X
Cardston County	0	0
Cypress County	0	0
Foothills No. 31	0	0
Forty Mile County No. 8	0	0
Lethbridge County	0	0
Newell County	0	0
Pincher Creek No. 9	0	0
Ranchland No. 66	0	0
Rocky View County	0	0
Taber	0	0
Vulcan County	0	0
Warner County No. 5	0	0
Wheatland County	0	0
Willow Creek No. 26	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 12.1: Use of Irrigation, Commercial Fertilizer, Herbicides, Insecticides, Fungicides and Lime, 2015**

	Irrigation		Commercial Fertilizer		Herbicides		Insecticides		Fungicides		Lime	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>3,480</b>	<b>1,517,089</b>	<b>19,581</b>	<b>19,389,984</b>	<b>19,865</b>	<b>19,666,602</b>	<b>3,757</b>	<b>2,681,962</b>	<b>4,503</b>	<b>4,359,208</b>	<b>180</b>	<b>54,217</b>
<b>Lower Peace</b>	<b>9</b>	<b>357</b>	<b>552</b>	<b>648,307</b>	<b>559</b>	<b>639,756</b>	<b>262</b>	<b>166,653</b>	<b>38</b>	<b>X</b>	<b>3</b>	<b>X</b>
Mackenzie County	6	306	319	248,986	316	234,108	171	87,670	11	13,092	0	0
Northern Lights County	2	X	160	260,085	172	264,420	63	57,047	18	25,814	2	X
Northern Sunrise County	1	X	73	139,236	71	141,228	28	21,936	9	X	1	X
<b>Lower Athabasca</b>	<b>9</b>	<b>225</b>	<b>279</b>	<b>163,147</b>	<b>287</b>	<b>X</b>	<b>62</b>	<b>22,375</b>	<b>34</b>	<b>36,766</b>	<b>1</b>	<b>X</b>
Bonnyville No. 87	6	X	214	118,839	210	111,475	33	10,449	29	31,946	1	X
Lac la Biche County	3	X	65	44,308	76	45,380	29	11,926	5	4,820	0	0
Wood Buffalo	0	0	0	0	1	X	0	0	0	0	0	0
<b>Upper Peace</b>	<b>45</b>	<b>1,581</b>	<b>1,481</b>	<b>2,121,424</b>	<b>1,575</b>	<b>2,201,194</b>	<b>437</b>	<b>373,851</b>	<b>230</b>	<b>263,295</b>	<b>11</b>	<b>3,312</b>
Birch Hills County	3	X	119	280,200	124	293,257	44	45,293	27	37,302	0	0
Clear Hills	2	X	150	181,177	161	191,108	43	31,666	13	8,413	1	X
Fairview No. 136	5	124	123	185,876	124	192,551	50	54,002	21	23,598	0	0
Grande Prairie County No. 1	23	546	431	381,776	452	395,578	87	34,264	64	35,265	2	X
Greenview No. 16	7	50	132	185,095	159	181,059	42	25,425	15	18,379	1	X
Peace No. 135	4	826	71	75,154	73	86,361	32	20,800	10	7,996	1	X
Saddle Hills County	0	0	156	217,723	173	229,500	41	60,049	20	38,607	3	1,855
Smoky River No. 130	1	X	234	497,718	243	511,713	79	88,270	48	76,853	3	X
Spirit River No. 133	0	0	65	116,705	66	120,067	19	14,082	12	16,882	0	0
<b>Upper Athabasca</b>	<b>43</b>	<b>2,868</b>	<b>1,520</b>	<b>1,023,107</b>	<b>1,581</b>	<b>X</b>	<b>294</b>	<b>124,138</b>	<b>282</b>	<b>X</b>	<b>18</b>	<b>5,584</b>
Athabasca County	7	X	240	162,394	244	159,790	44	20,262	34	26,762	0	0
Barrhead County No. 11	4	5	344	230,322	338	218,965	71	27,493	77	46,376	3	X
Big Lakes	6	54	79	77,181	98	86,017	11	8,454	9	7,845	2	X
Lac Ste. Anne County	7	X	205	89,699	224	80,788	38	15,257	17	15,702	2	X
Lesser Slave River No. 124	2	X	35	21,310	36	20,678	8	7,012	2	X	0	0
Westlock County	9	414	425	347,226	428	339,643	97	36,509	125	93,957	6	2,117
Woodlands County	1	X	51	23,194	49	22,426	10	2,565	10	3,910	4	1,675
Yellowhead County	7	269	141	71,781	164	X	15	6,586	8	5,132	1	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 12.1: Use of Irrigation, Commercial Fertilizer, Herbicides, Insecticides, Fungicides and Lime, 2015**

	Irrigation		Commercial Fertilizer		Herbicides		Insecticides		Fungicides		Lime	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>194</b>	<b>14,932</b>	<b>6,324</b>	<b>5,464,604</b>	<b>6,585</b>	<b>5,496,883</b>	<b>796</b>	<b>448,348</b>	<b>1,265</b>	<b>1,127,708</b>	<b>63</b>	<b>17,074</b>
Beaver County	6	981	341	367,720	354	374,975	27	20,079	61	82,166	5	1,211
Brazeau County	6	X	58	18,002	95	10,574	7	403	4	X	0	0
Camrose County	15	210	584	529,768	599	539,373	81	40,767	140	122,146	8	2,600
Clearwater County	9	270	332	70,576	339	46,172	9	1,211	23	6,078	1	X
Edmonton	12	281	45	28,100	47	28,979	13	1,705	13	X	0	0
Flagstaff County	8	X	482	621,065	490	641,377	56	53,774	118	111,346	10	6,145
Lamont County	6	114	394	315,140	409	327,367	39	22,098	85	78,208	7	2,414
Leduc County	25	470	477	252,447	524	246,682	68	15,783	102	57,982	2	X
Minburn County No. 27	5	188	411	439,223	401	445,097	44	27,737	111	108,470	3	X
Parkland County	18	427	202	127,271	248	122,820	42	17,790	30	15,238	2	X
Provost No. 52	1	X	237	275,021	229	275,836	23	14,110	35	32,682	2	X
Smoky Lake County	5	323	177	150,024	176	136,088	21	10,225	42	29,745	3	126
St. Paul County No. 19	6	383	284	191,480	276	173,363	42	17,611	39	26,901	4	X
Strathcona County	14	X	153	120,207	180	120,430	24	11,148	30	36,087	2	X
Sturgeon County	25	1,947	380	280,913	376	311,499	82	41,945	73	69,020	3	X
Thorhild County No. 7	1	X	173	126,070	181	128,107	36	18,252	33	18,746	2	X
Two Hills County No. 21	5	110	280	261,620	284	272,057	31	20,012	53	49,855	2	X
Vermilion River County	6	175	597	632,276	613	638,524	74	51,952	125	115,153	4	816
Wainwright No. 61	4	94	319	421,383	324	419,474	33	47,982	58	90,779	0	0
Wetaskiwin County No. 10	17	817	398	236,298	440	238,089	44	13,764	90	70,470	3	360
<b>Red Deer</b>	<b>157</b>	<b>50,776</b>	<b>4,315</b>	<b>3,712,688</b>	<b>4,329</b>	<b>3,816,350</b>	<b>413</b>	<b>224,108</b>	<b>1,034</b>	<b>957,789</b>	<b>47</b>	<b>10,291</b>
Kneehill County	26	9,230	467	575,282	496	590,253	78	33,999	126	101,033	3	265
Lacombe County	12	1,372	561	325,639	560	326,704	61	23,293	173	127,617	8	1,490
Mountain View County	17	1,232	786	399,118	708	351,801	54	18,025	187	133,997	3	215
Paintearth County No. 18	1	X	199	213,451	206	234,806	9	6,562	40	55,415	0	0
Ponoka County	6	40	523	276,752	507	256,320	52	26,238	127	88,183	9	2,556
Red Deer County	22	1,062	760	466,143	729	452,339	68	20,205	206	180,757	11	3,118
Special Area No. 2	40	16,320	157	159,629	162	169,788	12	12,527	15	9,475	1	X
Special Area No. 3	16	X	238	406,716	277	516,188	16	6,907	37	68,997	2	X
Special Area No. 4	1	X	143	206,160	150	208,176	12	18,515	22	38,726	1	X
Starland County	12	9,559	186	348,403	198	369,797	23	41,259	49	79,162	2	X
Stettler County No. 6	4	18	295	335,395	336	340,178	28	16,578	52	74,427	7	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 12.1: Use of Irrigation, Commercial Fertilizer, Herbicides, Insecticides, Fungicides and Lime, 2015**

	Irrigation		Commercial Fertilizer		Herbicides		Insecticides		Fungicides		Lime	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>3,023</b>	<b>1,446,350</b>	<b>5,110</b>	<b>6,256,707</b>	<b>4,949</b>	<b>6,370,449</b>	<b>1,493</b>	<b>1,322,489</b>	<b>1,620</b>	<b>1,728,384</b>	<b>37</b>	<b>17,722</b>
Bighorn No. 8	2	X	12	2,325	9	1,000	0	0	1	X	1	X
Calgary	10	X	54	33,978	45	38,058	13	X	15	5,209	1	X
Cardston County	151	50,417	254	354,795	210	342,956	80	85,645	56	110,643	3	X
Cypress County	246	82,141	329	380,161	305	373,336	41	72,697	57	81,125	2	X
Foothills No. 31	42	4,318	421	261,933	398	247,947	70	44,167	77	50,159	4	X
Forty Mile County No. 8	163	131,480	346	769,186	362	868,525	110	145,789	151	188,715	0	0
Lethbridge County	658	247,927	583	446,005	584	495,220	202	106,729	210	131,247	3	X
Newell County	532	244,484	399	305,264	365	318,338	177	83,923	171	103,684	2	X
Pincher Creek No. 9	27	9,420	177	139,936	166	121,903	24	25,512	26	X	0	0
Ranchland No. 66	2	X	14	3,430	19	3,336	2	X	2	X	0	0
Rocky View County	56	11,441	535	405,093	498	382,676	97	64,024	134	110,302	5	1,919
Taber	474	348,777	411	541,103	405	557,956	216	171,067	226	241,199	3	X
Vulcan County	145	138,168	413	910,299	418	923,198	156	179,842	146	222,122	3	10
Warner County No. 5	144	52,016	307	603,831	312	628,899	89	140,055	72	137,273	2	X
Wheatland County	236	72,080	490	726,654	493	728,066	113	104,033	184	203,157	5	336
Willow Creek No. 26	135	52,805	365	372,714	360	339,035	103	93,688	92	110,569	3	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 13.1: Manure and Manure Application Methods, 2015**

	Farms Reporting Producing or Using Manure # Farms	Solid or Composted Manure				Liquid Manure			
		Incorporated Into Soil		Not Incorporated		Injected or Incorporated Into Soil		Not Incorporated	
		# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>10,153</b>	<b>5,727</b>	<b>642,163</b>	<b>4,503</b>	<b>342,876</b>	<b>646</b>	<b>181,196</b>	<b>202</b>	<b>41,728</b>
<b>Lower Peace</b>	<b>102</b>	<b>53</b>	<b>4,048</b>	<b>53</b>	<b>5,268</b>	<b>3</b>	<b>X</b>	<b>2</b>	<b>X</b>
Mackenzie County	49	33	1,346	16	478	1	X	0	0
Northern Lights County	41	16	2,422	29	4,275	0	0	0	0
Northern Sunrise County	12	4	280	8	515	2	X	2	X
<b>Lower Athabasca</b>	<b>215</b>	<b>127</b>	<b>X</b>	<b>98</b>	<b>5,382</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	167	98	6,416	75	4,614	0	0	0	0
Lac la Biche County	47	28	1,666	23	768	0	0	0	0
Wood Buffalo	1	1	X	0	0	0	0	0	0
<b>Upper Peace</b>	<b>404</b>	<b>201</b>	<b>12,683</b>	<b>216</b>	<b>19,031</b>	<b>14</b>	<b>4,276</b>	<b>2</b>	<b>X</b>
Birch Hills County	15	6	661	9	636	3	X	0	0
Clear Hills	60	31	1,561	36	5,878	0	0	0	0
Fairview No. 136	20	4	131	15	1,038	1	X	0	0
Grande Prairie County No. 1	165	90	5,042	80	4,194	3	1,150	0	0
Greenview No. 16	75	37	2,603	42	5,028	2	X	2	X
Peace No. 135	11	4	170	7	X	0	0	0	0
Saddle Hills County	33	15	1,404	20	1,272	0	0	0	0
Smoky River No. 130	18	9	836	5	594	5	2,036	0	0
Spirit River No. 133	7	5	275	2	X	0	0	0	0
<b>Upper Athabasca</b>	<b>1,075</b>	<b>644</b>	<b>X</b>	<b>444</b>	<b>26,393</b>	<b>54</b>	<b>X</b>	<b>27</b>	<b>3,839</b>
Athabasca County	153	93	6,889	66	5,261	3	1,065	2	X
Barrhead County No. 11	208	128	10,190	71	3,151	28	7,871	12	1,646
Big Lakes	41	29	1,642	12	568	0	0	1	X
Lac Ste. Anne County	227	124	6,722	110	5,607	4	406	3	105
Lesser Slave River No. 124	27	17	1,467	10	895	0	0	0	0
Westlock County	210	126	12,686	85	5,584	11	2,762	5	1,191
Woodlands County	60	27	1,625	33	2,941	2	X	2	X
Yellowhead County	149	100	X	57	2,386	6	819	2	X

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Table 13.1: Manure and Manure Application Methods, 2015

	Farms Reporting Producing or Using Manure	Solid or Composted Manure				Liquid Manure			
		Incorporated Into Soil		Not Incorporated		Injected or Incorporated Into Soil		Not Incorporated	
		# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>3,248</b>	<b>1,818</b>	<b>167,009</b>	<b>1,477</b>	<b>105,632</b>	<b>131</b>	<b>31,622</b>	<b>52</b>	<b>5,545</b>
Beaver County	148	82	6,689	66	4,675	11	1,982	2	X
Brazeau County	70	43	3,307	31	1,933	0	0	5	705
Camrose County	240	149	13,744	90	6,245	10	2,551	4	550
Clearwater County	285	137	6,907	159	7,499	7	1,240	8	890
Edmonton	19	12	630	6	149	2	X	1	X
Flagstaff County	151	93	11,169	60	4,733	6	1,217	1	X
Lamont County	121	60	5,586	57	2,537	8	2,736	1	X
Leduc County	286	161	10,578	126	6,346	28	5,338	8	1,195
Minburn County No. 27	142	67	8,239	76	5,109	2	X	2	X
Parkland County	181	106	6,712	82	6,065	8	1,410	4	X
Provost No. 52	104	61	7,414	44	8,286	0	0	0	0
Smoky Lake County	98	66	5,848	35	2,722	1	X	1	X
St. Paul County No. 19	194	98	10,998	105	8,881	0	0	1	X
Strathcona County	140	70	4,230	76	3,458	6	X	0	0
Sturgeon County	157	105	8,782	53	3,826	8	2,340	3	287
Thorhild County No. 7	80	45	2,419	36	3,905	2	X	0	0
Two Hills County No. 21	109	67	7,021	44	3,371	0	0	4	218
Vermilion River County	308	154	22,379	165	12,409	5	X	1	X
Wainwright No. 61	164	93	12,291	64	8,094	12	4,735	1	X
Wetaskiwin County No. 10	251	149	12,066	102	5,389	15	3,590	5	578
<b>Red Deer</b>	<b>2,607</b>	<b>1,484</b>	<b>162,908</b>	<b>1,100</b>	<b>86,202</b>	<b>239</b>	<b>67,488</b>	<b>61</b>	<b>9,087</b>
Kneehill County	203	89	11,051	110	10,218	14	3,754	4	340
Lacombe County	306	174	15,215	111	7,104	66	17,599	13	2,509
Mountain View County	475	286	24,847	191	14,186	21	4,489	8	859
Paintearth County No. 18	132	79	8,786	56	6,207	4	1,770	4	X
Ponoka County	407	258	37,538	146	9,378	59	16,152	13	1,826
Red Deer County	462	267	26,423	191	10,251	42	11,176	14	1,497
Special Area No. 2	130	72	8,676	63	5,478	2	X	0	0
Special Area No. 3	108	47	4,574	61	5,312	3	X	0	0
Special Area No. 4	90	48	6,718	42	4,014	1	X	1	X
Starland County	69	36	4,875	32	3,515	10	4,690	1	X
Stettler County No. 6	225	128	14,205	97	10,539	17	4,568	3	1,071

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**Table 13.1: Manure and Manure Application Methods, 2015**

	Farms Reporting Producing or Using Manure # Farms	Solid or Composted Manure				Liquid Manure			
		Incorporated Into Soil		Not Incorporated		Injected or Incorporated Into Soil		Not Incorporated	
		# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>2,502</b>	<b>1,400</b>	<b>237,613</b>	<b>1,115</b>	<b>94,968</b>	<b>205</b>	<b>63,297</b>	<b>58</b>	<b>22,901</b>
Bighorn No. 8	15	7	397	10	1,285	0	0	0	0
Calgary	18	10	623	7	468	1	X	0	0
Cardston County	124	71	8,332	58	4,300	12	4,934	5	X
Cypress County	169	82	9,517	89	9,429	3	980	2	X
Foothills No. 31	276	115	9,906	170	10,849	6	X	1	X
Forty Mile County No. 8	81	45	6,209	33	3,075	13	4,650	1	X
Lethbridge County	342	249	66,927	81	7,251	60	10,027	23	X
Newell County	168	121	21,587	47	6,418	11	3,935	1	X
Pincher Creek No. 9	132	58	5,200	77	5,319	3	1,700	1	X
Ranchland No. 66	13	4	394	9	395	0	0	0	0
Rocky View County	315	158	15,062	163	10,791	9	2,900	3	X
Taber	156	121	35,057	31	3,119	22	5,891	5	X
Vulcan County	134	78	18,884	57	7,023	19	7,547	1	X
Warner County No. 5	131	77	10,474	55	3,984	22	10,428	2	X
Wheatland County	184	93	12,989	91	9,122	14	6,535	2	X
Willow Creek No. 26	244	111	16,055	137	12,140	10	3,410	11	4,812

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**Table 14.1: Farms Classified by Conservation Practices and Features, 2016**

	Total Farms	Number of Farms Reporting				
		In-Field Winter Grazing or Feeding	Rotational Grazing	Plowing Down Green Crops	Winter Cover Crops	Windbreaks or Shelterbelts
<b>Alberta</b>	<b>40,638</b>	<b>11,159</b>	<b>13,518</b>	<b>1,337</b>	<b>1,366</b>	<b>20,591</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>159</b>	<b>219</b>	<b>73</b>	<b>38</b>	<b>656</b>
Mackenzie County	610	55	91	56	22	399
Northern Lights County	375	78	97	12	11	189
Northern Sunrise County	149	26	31	5	5	68
<b>Lower Athabasca</b>	<b>894</b>	<b>244</b>	<b>377</b>	<b>40</b>	<b>14</b>	<b>506</b>
Bonnyville No. 87	650	178	265	25	10	361
Lac la Biche County	238	66	110	15	4	144
Wood Buffalo	6	0	2	0	0	1
<b>Upper Peace</b>	<b>3,347</b>	<b>688</b>	<b>911</b>	<b>159</b>	<b>125</b>	<b>1,758</b>
Birch Hills County	182	25	36	3	4	102
Clear Hills	390	83	112	22	16	208
Fairview No. 136	202	39	54	10	4	101
Grande Prairie County No. 1	1,113	265	339	51	28	599
Greenview No. 16	534	145	199	38	21	327
Peace No. 135	129	29	33	9	6	61
Saddle Hills County	381	72	99	22	25	191
Smoky River No. 130	306	17	22	4	14	104
Spirit River No. 133	110	13	17	0	7	65
<b>Upper Athabasca</b>	<b>4,143</b>	<b>1,043</b>	<b>1,509</b>	<b>218</b>	<b>103</b>	<b>2,444</b>
Athabasca County	650	151	220	36	23	391
Barrhead County No. 11	681	141	212	30	11	391
Big Lakes	306	65	96	13	8	173
Lac Ste. Anne County	794	252	356	46	18	474
Lesser Slave River No. 124	131	28	48	7	4	81
Westlock County	744	140	213	34	22	419
Woodlands County	226	60	92	10	8	139
Yellowhead County	611	206	272	42	9	376

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 14.1: Farms Classified by Conservation Practices and Features, 2016**

	Total Farms	Number of Farms Reporting				
		In-Field Winter Grazing or Feeding	Rotational Grazing	Plowing Down Green Crops	Winter Cover Crops	Windbreaks or Shelterbelts
<b>North Saskatchewan</b>	<b>13,097</b>	<b>3,124</b>	<b>4,105</b>	<b>431</b>	<b>268</b>	<b>6,857</b>
Beaver County	631	142	188	19	12	326
Brazeau County	426	139	196	36	12	253
Camrose County	962	180	240	20	18	508
Clearwater County	1,013	371	468	67	29	617
Edmonton	133	14	20	9	0	49
Flagstaff County	638	134	140	6	15	303
Lamont County	689	105	161	20	18	315
Leduc County	1,088	193	293	36	12	562
Minburn County No. 27	594	132	146	9	11	295
Parkland County	679	177	252	41	21	378
Provost No. 52	410	128	134	5	13	201
Smoky Lake County	419	99	134	18	14	211
St. Paul County No. 19	680	156	236	24	8	336
Strathcona County	579	123	181	14	5	264
Sturgeon County	730	128	173	23	18	365
Thorhild County No. 7	382	77	108	16	8	184
Two Hills County No. 21	503	96	129	7	5	240
Vermilion River County	1,052	314	363	12	15	583
Wainwright No. 61	535	150	158	6	14	275
Wetaskiwin County No. 10	954	266	385	43	20	592
<b>Red Deer</b>	<b>8,439</b>	<b>2,618</b>	<b>3,134</b>	<b>213</b>	<b>230</b>	<b>4,643</b>
Kneehill County	700	170	177	4	16	284
Lacombe County	1,034	250	349	21	27	600
Mountain View County	1,542	489	612	48	26	867
Paintearth County No. 18	402	173	176	5	19	249
Ponoka County	1,097	327	469	42	36	661
Red Deer County	1,460	407	522	39	25	853
Special Area No. 2	460	211	222	8	19	252
Special Area No. 3	448	135	133	17	34	195
Special Area No. 4	284	129	122	4	8	162
Starland County	309	83	80	3	6	106
Stettler County No. 6	703	244	272	22	14	414

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 14.1: Farms Classified by Conservation Practices and Features, 2016**

	Total Farms	Number of Farms Reporting				
		In-Field Winter Grazing or Feeding	Rotational Grazing	Plowing Down Green Crops	Winter Cover Crops	Windbreaks or Shelterbelts
<b>South Saskatchewan</b>	<b>9,584</b>	<b>3,283</b>	<b>3,263</b>	<b>203</b>	<b>588</b>	<b>3,727</b>
Bighorn No. 8	54	29	31	2	1	31
Calgary	145	32	26	5	7	48
Cardston County	475	215	202	7	29	193
Cypress County	805	297	297	22	57	319
Foothills No. 31	1,083	464	478	17	34	479
Forty Mile County No. 8	498	92	92	4	32	126
Lethbridge County	906	168	159	36	86	241
Newell County	668	248	220	12	32	265
Pincher Creek No. 9	439	235	238	10	29	237
Ranchland No. 66	68	40	44	0	1	38
Rocky View County	1,135	435	467	23	47	555
Taber	633	156	122	18	82	157
Vulcan County	608	152	152	7	30	172
Warner County No. 5	462	130	140	7	46	158
Wheatland County	810	208	206	22	29	304
Willow Creek No. 26	795	382	389	11	46	404

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 15.1: Tillage Practices Used to Prepare Land for Seeding, 2016**

	Total Area Prepared for Seeding		Tillage Incorporating Residue into Soil		Tillage Retaining Residue on the Surface		No-Till Seeding		Area Where Crop Residue was Baled	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>25,638</b>	<b>21,909,580</b>	<b>9,094</b>	<b>2,539,408</b>	<b>6,918</b>	<b>4,193,223</b>	<b>12,753</b>	<b>15,176,949</b>	<b>11,435</b>	<b>2,761,430</b>
<b>Lower Peace</b>	<b>889</b>	<b>796,221</b>	<b>321</b>	<b>90,275</b>	<b>254</b>	<b>201,566</b>	<b>441</b>	<b>504,380</b>	<b>273</b>	<b>52,420</b>
Mackenzie County	522	340,141	202	66,493	148	58,259	257	215,389	164	20,502
Northern Lights County	264	298,178	93	16,188	55	57,190	145	224,800	73	20,836
Northern Sunrise County	103	157,902	26	7,594	51	86,117	39	64,191	36	11,082
<b>Lower Athabasca</b>	<b>505</b>	<b>212,797</b>	<b>233</b>	<b>X</b>	<b>94</b>	<b>31,557</b>	<b>228</b>	<b>X</b>	<b>276</b>	<b>61,428</b>
Bonnyville No. 87	365	150,861	164	26,713	67	23,525	171	100,623	196	46,759
Lac la Biche County	137	61,479	67	14,519	27	8,032	56	38,928	80	14,669
Wood Buffalo	3	457	2	X	0	0	1	X	0	0
<b>Upper Peace</b>	<b>2,229</b>	<b>2,434,842</b>	<b>740</b>	<b>185,720</b>	<b>641</b>	<b>599,883</b>	<b>1,095</b>	<b>1,649,239</b>	<b>779</b>	<b>179,669</b>
Birch Hills County	149	307,804	23	7,169	46	73,692	92	226,943	36	19,786
Clear Hills	268	225,251	116	39,243	64	50,971	118	135,037	116	25,141
Fairview No. 136	153	215,043	27	6,968	43	44,459	94	163,616	35	12,146
Grande Prairie County No. 1	663	447,568	239	43,653	224	173,873	276	230,042	263	40,647
Greenview No. 16	290	211,274	154	26,362	82	62,673	84	122,239	148	34,189
Peace No. 135	92	94,376	25	7,089	28	22,320	57	64,967	33	5,817
Saddle Hills County	255	270,443	111	39,837	57	38,040	113	192,566	91	20,772
Smoky River No. 130	276	535,497	32	11,262	69	105,367	209	418,868	38	17,818
Spirit River No. 133	83	127,586	13	4,137	28	28,488	52	94,961	19	3,353
<b>Upper Athabasca</b>	<b>2,527</b>	<b>1,227,646</b>	<b>1,322</b>	<b>X</b>	<b>731</b>	<b>414,504</b>	<b>751</b>	<b>X</b>	<b>1,291</b>	<b>265,838</b>
Athabasca County	416	199,532	234	52,206	93	45,089	129	102,237	223	38,183
Barrhead County No. 11	463	255,136	221	60,541	157	97,833	137	96,762	248	56,429
Big Lakes	163	101,115	78	15,305	40	28,012	63	57,798	63	11,985
Lac Ste. Anne County	421	117,062	234	34,035	107	33,401	121	49,626	229	39,558
Lesser Slave River No. 124	73	29,334	46	9,308	16	6,175	15	13,851	29	4,913
Westlock County	544	395,767	217	65,915	216	167,305	193	162,547	289	77,009
Woodlands County	117	33,493	75	14,524	28	8,809	26	10,160	69	8,792
Yellowhead County	330	96,207	217	X	74	27,880	67	X	141	28,969

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 15.1: Tillage Practices Used to Prepare Land for Seeding, 2016**

	Total Area Prepared for Seeding		Tillage Incorporating Residue into Soil		Tillage Retaining Residue on the Surface		No-Till Seeding		Area Where Crop Residue was Baled	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>8,410</b>	<b>6,154,794</b>	<b>2,691</b>	<b>574,274</b>	<b>1,997</b>	<b>1,039,371</b>	<b>4,627</b>	<b>4,541,149</b>	<b>3,787</b>	<b>867,782</b>
Beaver County	427	407,650	73	14,846	88	49,722	316	343,082	164	34,691
Brazeau County	191	31,080	147	22,903	29	6,162	23	2,015	102	14,978
Camrose County	708	591,081	132	23,295	146	66,023	515	501,763	290	62,973
Clearwater County	476	71,018	341	43,733	75	16,413	82	10,872	248	27,195
Edmonton	69	32,469	30	2,274	21	10,300	31	19,895	17	1,995
Flagstaff County	534	676,551	51	20,698	110	80,736	425	575,117	220	50,191
Lamont County	502	365,238	125	26,580	109	47,252	337	291,406	201	42,722
Leduc County	690	288,151	305	64,996	214	79,871	263	143,284	326	63,285
Minburn County No. 27	468	474,627	63	19,725	110	66,140	346	388,762	178	43,693
Parkland County	351	145,327	222	48,912	85	48,144	79	48,271	150	39,209
Provost No. 52	298	328,272	65	21,481	79	48,549	188	258,242	128	38,703
Smoky Lake County	280	167,546	103	18,995	56	24,483	147	124,068	154	44,796
St. Paul County No. 19	405	213,284	132	28,884	82	33,539	226	150,861	236	57,565
Strathcona County	244	135,699	99	12,124	57	27,638	110	95,937	104	15,933
Sturgeon County	469	351,919	183	54,205	156	128,640	187	169,074	165	34,351
Thorhild County No. 7	261	154,030	116	34,185	77	50,156	87	69,689	116	22,582
Two Hills County No. 21	372	299,504	61	9,842	75	45,144	268	244,518	184	52,120
Vermilion River County	712	704,485	104	28,190	180	81,864	517	594,431	357	115,389
Wainwright No. 61	386	453,727	68	29,289	91	61,352	269	363,086	173	55,081
Wetaskiwin County No. 10	567	263,136	271	49,117	157	67,243	211	146,776	274	50,330
<b>Red Deer</b>	<b>5,296</b>	<b>4,216,517</b>	<b>1,977</b>	<b>641,422</b>	<b>1,529</b>	<b>813,304</b>	<b>2,453</b>	<b>2,761,791</b>	<b>2,572</b>	<b>588,226</b>
Kneehill County	529	629,128	56	14,506	98	50,744	431	563,878	216	48,633
Lacombe County	647	363,875	317	107,006	179	98,250	236	158,619	334	70,705
Mountain View County	893	380,225	428	90,438	301	127,571	260	162,216	480	95,826
Paintearth County No. 18	262	274,630	53	12,878	66	53,482	177	208,270	133	33,585
Ponoka County	654	305,955	346	94,590	214	83,214	199	128,151	356	77,180
Red Deer County	862	512,333	400	167,929	304	144,736	269	199,668	460	103,183
Special Area No. 2	250	215,424	99	37,338	60	29,562	119	148,524	90	24,662
Special Area No. 3	341	494,283	84	35,342	74	42,442	224	416,499	132	38,012
Special Area No. 4	210	266,444	53	27,355	51	31,929	130	207,160	82	17,301
Starland County	231	394,649	23	16,689	52	63,093	179	314,867	85	21,352
Stettler County No. 6	417	379,571	118	37,351	130	88,281	229	253,939	204	57,787

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**Table 15.1: Tillage Practices Used to Prepare Land for Seeding, 2016**

	Total Area Prepared for Seeding		Tillage Incorporating Residue into Soil		Tillage Retaining Residue on the Surface		No-Till Seeding		Area Where Crop Residue was Baled	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>5,782</b>	<b>6,866,763</b>	<b>1,810</b>	<b>713,514</b>	<b>1,672</b>	<b>1,093,038</b>	<b>3,158</b>	<b>5,060,211</b>	<b>2,457</b>	<b>746,067</b>
Bighorn No. 8	10	685	7	X	2	X	1	X	4	245
Calgary	70	42,195	14	6,892	21	6,329	42	28,974	22	4,084
Cardston County	245	377,631	82	24,411	92	97,240	115	255,980	128	63,630
Cypress County	438	408,900	158	51,485	104	61,507	226	295,908	148	40,923
Foothills No. 31	456	275,455	117	13,263	139	66,905	238	195,287	203	39,645
Forty Mile County No. 8	404	894,513	108	77,474	94	96,885	293	720,154	115	32,024
Lethbridge County	678	530,945	300	112,439	220	101,409	302	317,097	361	110,894
Newell County	430	334,938	248	97,114	139	51,796	132	186,028	200	49,159
Pincher Creek No. 9	203	131,777	73	12,743	75	22,979	82	96,055	97	34,273
Ranchland No. 66	13	2,774	4	X	7	X	5	X	7	735
Rocky View County	572	417,187	181	43,906	183	86,941	273	286,340	269	58,800
Taber	504	619,430	248	161,003	176	139,144	169	319,283	194	52,618
Vulcan County	477	1,023,647	56	49,050	109	131,926	361	842,671	159	77,201
Warner County No. 5	357	647,087	65	24,342	83	54,223	264	568,522	156	47,042
Wheatland County	546	778,544	63	13,093	104	99,867	425	665,584	200	71,466
Willow Creek No. 26	379	381,055	86	25,551	124	74,445	230	281,059	194	63,328

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**Table 16.1: Forms of Weed Control Used on Summerfallow Land, 2016**

	Total Summerfallow Land		Chemical Only		Tillage Only		Tillage and Chemical Combined	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>Alberta</b>	<b>3,660</b>	<b>644,021</b>	<b>918</b>	<b>329,562</b>	<b>1,803</b>	<b>179,876</b>	<b>1,038</b>	<b>134,583</b>
<b>Lower Peace</b>	<b>194</b>	<b>30,348</b>	<b>11</b>	<b>X</b>	<b>156</b>	<b>25,123</b>	<b>32</b>	<b>X</b>
Mackenzie County	125	21,751	5	X	109	19,526	12	X
Northern Lights County	57	7,624	6	1,122	40	5,139	15	1,363
Northern Sunrise County	12	973	0	0	7	458	5	515
<b>Lower Athabasca</b>	<b>103</b>	<b>X</b>	<b>7</b>	<b>X</b>	<b>81</b>	<b>X</b>	<b>17</b>	<b>X</b>
Bonnyville No. 87	75	8,250	6	332	60	7,038	11	880
Lac la Biche County	27	1,914	1	X	20	X	6	X
Wood Buffalo	1	X	0	0	1	X	0	0
<b>Upper Peace</b>	<b>386</b>	<b>47,812</b>	<b>32</b>	<b>6,566</b>	<b>230</b>	<b>25,373</b>	<b>134</b>	<b>15,873</b>
Birch Hills County	9	3,457	2	X	5	1,270	2	X
Clear Hills	52	6,399	3	220	27	2,595	23	3,584
Fairview No. 136	14	1,229	1	X	10	864	3	X
Grande Prairie County No. 1	134	15,052	10	1,168	79	8,563	51	5,321
Greenview No. 16	75	8,495	6	1,087	53	5,295	18	2,113
Peace No. 135	14	1,117	1	X	7	646	6	X
Saddle Hills County	53	6,326	4	370	32	4,143	18	1,813
Smoky River No. 130	21	3,393	3	X	8	1,233	10	X
Spirit River No. 133	14	2,344	2	X	9	764	3	X
<b>Upper Athabasca</b>	<b>385</b>	<b>X</b>	<b>23</b>	<b>2,234</b>	<b>272</b>	<b>X</b>	<b>96</b>	<b>9,400</b>
Athabasca County	95	8,257	3	X	70	4,497	23	X
Barrhead County No. 11	41	2,440	4	62	28	1,581	9	797
Big Lakes	40	4,018	4	190	26	2,455	12	1,373
Lac Ste. Anne County	54	3,696	3	X	42	3,165	10	X
Lesser Slave River No. 124	18	1,084	2	X	12	617	5	X
Westlock County	51	3,158	2	X	33	1,445	16	X
Woodlands County	21	2,967	1	X	17	1,353	3	X
Yellowhead County	65	X	4	X	44	X	18	899

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**Table 16.1: Forms of Weed Control Used on Summerfallow Land, 2016**

	Total Summerfallow Land		Chemical Only		Tillage Only		Tillage and Chemical Combined	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>North Saskatchewan</b>	<b>927</b>	<b>96,465</b>	<b>125</b>	<b>32,394</b>	<b>528</b>	<b>34,242</b>	<b>284</b>	<b>29,829</b>
Beaver County	44	6,528	7	2,181	19	1,397	18	2,950
Brazeau County	35	2,286	2	X	25	1,355	8	X
Camrose County	47	4,444	10	2,313	27	1,305	11	826
Clearwater County	66	3,820	3	X	43	2,338	20	X
Edmonton	14	915	1	X	8	701	5	X
Flagstaff County	35	6,340	5	4,067	14	1,008	16	1,265
Lamont County	65	5,462	7	1,340	43	2,670	18	1,452
Leduc County	69	5,774	6	196	47	2,451	16	3,127
Minburn County No. 27	28	3,093	8	1,080	14	1,505	7	508
Parkland County	53	4,026	5	888	33	1,436	15	1,702
Provost No. 52	56	14,910	26	9,948	13	2,290	19	2,672
Smoky Lake County	38	2,925	2	X	28	1,841	9	X
St. Paul County No. 19	53	3,956	3	154	38	2,960	13	842
Strathcona County	35	1,217	1	X	21	574	13	X
Sturgeon County	44	2,848	0	0	29	2,043	15	805
Thorhild County No. 7	43	2,629	0	0	34	1,881	9	748
Two Hills County No. 21	35	3,482	5	599	19	1,343	11	1,540
Vermilion River County	79	12,622	20	5,426	27	2,963	32	4,233
Wainwright No. 61	40	6,496	11	2,872	9	557	21	3,067
Wetaskiwin County No. 10	48	2,692	3	X	37	1,624	8	X
<b>Red Deer</b>	<b>791</b>	<b>236,350</b>	<b>330</b>	<b>160,356</b>	<b>286</b>	<b>36,202</b>	<b>203</b>	<b>39,792</b>
Kneehill County	35	4,747	17	2,624	8	1,624	10	499
Lacombe County	45	4,389	8	2,056	28	1,427	9	906
Mountain View County	82	3,430	11	459	38	1,551	33	1,420
Paintearth County No. 18	40	9,359	19	6,571	13	1,025	9	1,763
Ponoka County	52	4,948	6	2,722	34	1,424	13	802
Red Deer County	86	8,198	18	6,068	53	1,162	17	968
Special Area No. 2	119	53,722	56	34,898	36	7,118	32	11,706
Special Area No. 3	195	109,399	137	83,487	28	11,525	42	14,387
Special Area No. 4	61	23,310	34	13,851	17	4,791	13	4,668
Starland County	40	6,516	14	2,686	17	2,852	12	978
Stettler County No. 6	36	8,332	10	4,934	14	1,703	13	1,695

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**Table 16.1: Forms of Weed Control Used on Summerfallow Land, 2016**

	Total Summerfallow Land		Chemical Only		Tillage Only		Tillage and Chemical Combined	
	# Farms	Acres	# Farms	Acres	# Farms	Acres	# Farms	Acres
<b>South Saskatchewan</b>	<b>874</b>	<b>193,501</b>	<b>390</b>	<b>124,908</b>	<b>250</b>	<b>33,185</b>	<b>272</b>	<b>35,408</b>
Bighorn No. 8	2	X	1	X	1	X	0	0
Calgary	6	401	0	0	3	X	3	X
Cardston County	18	1,848	12	1,456	5	X	1	X
Cypress County	118	31,195	56	23,419	32	3,741	32	4,035
Foothills No. 31	40	2,645	6	1,049	24	X	12	X
Forty Mile County No. 8	141	57,332	84	39,685	36	11,921	31	5,726
Lethbridge County	73	9,495	32	6,025	23	1,840	24	1,630
Newell County	64	13,367	22	8,187	19	3,562	25	1,618
Pincher Creek No. 9	9	X	2	X	4	184	4	X
Ranchland No. 66	1	X	1	X	0	0	0	0
Rocky View County	54	3,017	16	1,031	20	862	18	1,124
Taber	115	15,611	43	8,072	25	2,155	51	5,384
Vulcan County	64	16,483	34	9,006	12	2,342	18	5,135
Warner County No. 5	94	28,736	57	21,220	19	1,819	24	5,697
Wheatland County	59	10,912	21	4,542	20	3,117	23	3,253
Willow Creek No. 26	16	755	3	92	7	172	6	491

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 17.1: Poultry Inventory, May 10, 2016

	Total Hens and Chickens		Broilers, Roasters and Cornish		Pullets Intended for Laying Under 19 Weeks		Laying Hens 19 Weeks and Over		Layer and Broiler Breeders (Pullets and Hens)	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>Alberta</b>	<b>3,869</b>	<b>14,125,401</b>	<b>1,140</b>	<b>10,168,167</b>	<b>968</b>	<b>1,095,046</b>	<b>3,085</b>	<b>2,211,606</b>	<b>276</b>	<b>650,582</b>
<b>Lower Peace</b>	<b>205</b>	<b>15,744</b>	<b>109</b>	<b>X</b>	<b>45</b>	<b>1,705</b>	<b>147</b>	<b>5,279</b>	<b>17</b>	<b>X</b>
Mackenzie County	156	13,326	94	7,261	37	1,624	109	3,998	9	443
Northern Lights County	39	2,141	13	785	8	81	32	1,178	6	97
Northern Sunrise County	10	277	2	X	0	0	6	103	2	X
<b>Lower Athabasca</b>	<b>65</b>	<b>3,438</b>	<b>20</b>	<b>1,215</b>	<b>27</b>	<b>674</b>	<b>51</b>	<b>X</b>	<b>6</b>	<b>X</b>
Bonnyville No. 87	47	X	15	1,015	19	X	38	1,062	4	X
Lac la Biche County	18	X	5	200	8	X	13	X	2	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>338</b>	<b>278,018</b>	<b>95</b>	<b>X</b>	<b>106</b>	<b>58,851</b>	<b>272</b>	<b>X</b>	<b>25</b>	<b>801</b>
Birch Hills County	21	X	10	X	6	X	12	X	2	X
Clear Hills	50	3,397	23	1,786	17	576	37	900	3	135
Fairview No. 136	13	X	3	X	4	62	11	272	0	0
Grande Prairie County No. 1	117	19,111	21	1,977	40	4,983	98	11,803	9	348
Greenview No. 16	59	59,914	16	54,771	12	309	50	4,817	3	17
Peace No. 135	10	X	2	X	2	X	8	163	1	X
Saddle Hills County	41	1,838	13	702	13	269	37	830	3	37
Smoky River No. 130	15	X	5	311	7	X	10	X	1	X
Spirit River No. 133	12	X	2	X	5	95	9	211	3	30
<b>Upper Athabasca</b>	<b>449</b>	<b>543,991</b>	<b>119</b>	<b>166,763</b>	<b>121</b>	<b>42,023</b>	<b>378</b>	<b>203,620</b>	<b>44</b>	<b>131,585</b>
Athabasca County	65	41,850	21	X	17	345	54	2,009	6	X
Barrhead County No. 11	79	226,887	19	X	16	X	62	55,043	9	X
Big Lakes	38	1,638	11	360	11	343	33	828	5	107
Lac Ste. Anne County	78	3,714	23	1,190	23	534	64	1,946	5	44
Lesser Slave River No. 124	16	499	2	X	3	107	15	356	3	X
Westlock County	70	265,125	15	X	21	X	62	141,121	4	X
Woodlands County	25	1,219	7	X	6	119	24	833	2	X
Yellowhead County	78	3,059	21	918	24	447	64	1,484	10	210

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Table 17.1: Poultry Inventory, May 10, 2016

	Total Hens and Chickens		Broilers, Roasters and Cornish		Pullets Intended for Laying Under 19 Weeks		Laying Hens 19 Weeks and Over		Layer and Broiler Breeders (Pullets and Hens)	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>North Saskatchewan</b>	<b>1,162</b>	<b>4,190,078</b>	<b>368</b>	<b>3,347,510</b>	<b>286</b>	<b>206,199</b>	<b>882</b>	<b>444,484</b>	<b>84</b>	<b>191,885</b>
Beaver County	61	168,586	16	136,889	10	2,380	51	X	4	X
Brazeau County	57	2,949	13	357	19	719	45	1,816	4	57
Camrose County	109	1,408,309	53	1,243,331	24	23,306	65	45,617	6	96,055
Clearwater County	107	4,042	20	1,561	26	667	91	1,590	6	224
Edmonton	6	X	2	X	2	X	4	279	1	X
Flagstaff County	27	23,804	13	X	8	145	22	X	1	X
Lamont County	37	39,607	11	X	6	X	28	X	3	X
Leduc County	109	238,316	34	182,232	24	9,258	84	46,506	9	320
Minburn County No. 27	41	50,287	12	X	12	X	33	27,186	4	X
Parkland County	83	X	16	1,445	20	X	71	X	4	67
Provost No. 52	23	9,744	9	X	4	133	19	X	1	X
Smoky Lake County	27	X	12	905	8	X	16	X	3	X
St. Paul County No. 19	47	21,086	20	19,660	13	X	33	X	3	64
Strathcona County	65	488,705	16	461,584	21	X	48	18,091	7	X
Sturgeon County	68	968,487	28	X	14	423	44	X	5	X
Thorhild County No. 7	38	55,035	13	X	9	1,302	27	14,500	6	X
Two Hills County No. 21	56	72,349	16	47,714	15	X	45	17,232	4	X
Vermilion River County	57	73,096	19	71,319	14	306	40	1,351	3	120
Wainwright No. 61	25	192,067	10	X	8	X	19	34,132	0	0
Wetaskiwin County No. 10	119	177,487	35	159,447	29	806	97	16,904	10	330
<b>Red Deer</b>	<b>788</b>	<b>4,292,661</b>	<b>234</b>	<b>3,448,952</b>	<b>173</b>	<b>282,064</b>	<b>627</b>	<b>380,172</b>	<b>39</b>	<b>181,473</b>
Kneehill County	74	811,630	27	536,512	15	106,833	46	X	5	X
Lacombe County	113	517,091	33	474,024	21	7,484	88	35,506	4	77
Mountain View County	151	506,891	34	501,999	38	1,276	124	3,506	5	110
Paintearth County No. 18	39	66,738	14	X	10	X	29	46,352	1	X
Ponoka County	138	1,538,770	41	1,479,132	26	X	108	X	8	X
Red Deer County	128	106,802	37	83,412	29	1,665	108	21,454	9	271
Special Area No. 2	30	80,568	7	X	6	X	26	X	2	X
Special Area No. 3	20	143,075	9	X	7	X	17	X	0	0
Special Area No. 4	18	8,769	6	X	4	103	18	X	0	0
Starland County	20	363,514	7	234,153	5	32,280	15	X	3	X
Stettler County No. 6	57	148,813	19	45,277	12	X	48	60,406	2	X

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Table 17.1: Poultry Inventory, May 10, 2016

	Total Hens and Chickens		Broilers, Roasters and Cornish		Pullets Intended for Laying Under 19 Weeks		Laying Hens 19 Weeks and Over		Layer and Broiler Breeders (Pullets and Hens)	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>South Saskatchewan</b>	<b>862</b>	<b>4,801,471</b>	<b>195</b>	<b>3,080,219</b>	<b>210</b>	<b>503,530</b>	<b>728</b>	<b>1,073,617</b>	<b>61</b>	<b>144,105</b>
Bighorn No. 8	6	213	1	X	2	X	6	X	0	0
Calgary	5	363	1	X	1	X	4	X	0	0
Cardston County	41	234,080	13	59,367	14	X	38	121,755	1	X
Cypress County	55	62,157	13	X	14	X	43	20,344	4	X
Foothills No. 31	102	278,073	17	264,376	15	595	89	13,023	8	79
Forty Mile County No. 8	35	401,678	9	X	10	X	32	173,674	1	X
Lethbridge County	124	1,508,115	28	1,398,462	22	3,323	90	24,065	9	82,265
Newell County	56	327,721	13	X	19	X	48	75,371	6	205
Pincher Creek No. 9	48	68,223	10	49,525	11	X	45	X	1	X
Ranchland No. 66	5	63	2	X	1	X	4	X	0	0
Rocky View County	90	209,276	15	X	23	X	73	X	8	X
Taber	40	307,940	10	X	5	X	34	88,521	1	X
Vulcan County	58	315,188	14	130,830	18	53,956	48	129,873	6	529
Warner County No. 5	50	652,378	16	244,622	21	X	43	228,742	4	X
Wheatland County	67	265,911	19	146,946	14	29,369	57	89,437	7	159
Willow Creek No. 26	80	170,092	14	92,235	20	X	74	X	5	X

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Table 17.2: Poultry Inventory, May 10, 2016

	Turkeys		Other Poultry	
	# Farms	Number	# Farms	Number
<b>Alberta</b>	<b>520</b>	<b>768,529</b>	<b>909</b>	<b>170,757</b>
<b>Lower Peace</b>	<b>31</b>	<b>X</b>	<b>30</b>	<b>X</b>
Mackenzie County	19	509	17	115
Northern Lights County	10	95	8	X
Northern Sunrise County	2	X	5	102
<b>Lower Athabasca</b>	<b>7</b>	<b>X</b>	<b>21</b>	<b>X</b>
Bonnyville No. 87	6	69	14	168
Lac la Biche County	1	X	7	X
Wood Buffalo	0	0	0	0
<b>Upper Peace</b>	<b>69</b>	<b>64,093</b>	<b>87</b>	<b>7,359</b>
Birch Hills County	1	X	4	3,501
Clear Hills	12	135	10	115
Fairview No. 136	5	155	4	21
Grande Prairie County No. 1	28	X	33	2,180
Greenview No. 16	14	X	20	746
Peace No. 135	0	0	2	X
Saddle Hills County	6	79	8	X
Smoky River No. 130	2	X	3	X
Spirit River No. 133	1	X	3	7
<b>Upper Athabasca</b>	<b>68</b>	<b>73,384</b>	<b>115</b>	<b>7,297</b>
Athabasca County	12	X	14	X
Barrhead County No. 11	6	118	17	259
Big Lakes	9	80	12	174
Lac Ste. Anne County	9	110	22	360
Lesser Slave River No. 124	1	X	2	X
Westlock County	10	202	14	1,032
Woodlands County	5	21	8	99
Yellowhead County	16	101	26	392

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Table 17.2: Poultry Inventory, May 10, 2016

	Turkeys		Other Poultry	
	# Farms	Number	# Farms	Number
<b>North Saskatchewan</b>	<b>161</b>	<b>286,726</b>	<b>253</b>	<b>50,009</b>
Beaver County	7	X	10	4,085
Brazeau County	11	90	11	X
Camrose County	12	X	24	2,833
Clearwater County	15	129	25	157
Edmonton	0	0	1	X
Flagstaff County	7	238	4	X
Lamont County	7	356	15	2,251
Leduc County	13	480	27	3,153
Minburn County No. 27	6	X	8	4,200
Parkland County	12	166	18	X
Provost No. 52	4	X	5	X
Smoky Lake County	1	X	2	X
St. Paul County No. 19	10	140	8	98
Strathcona County	7	X	19	X
Sturgeon County	9	121,472	11	597
Thorhild County No. 7	8	X	6	X
Two Hills County No. 21	7	X	13	X
Vermilion River County	8	447	10	X
Wainwright No. 61	5	X	7	X
Wetaskiwin County No. 10	12	X	29	2,066
<b>Red Deer</b>	<b>91</b>	<b>161,992</b>	<b>194</b>	<b>41,784</b>
Kneehill County	8	9,324	14	3,500
Lacombe County	5	46	20	135
Mountain View County	13	X	40	X
Paintearth County No. 18	6	673	8	2,683
Ponoka County	16	X	42	3,200
Red Deer County	24	X	33	5,474
Special Area No. 2	1	X	7	X
Special Area No. 3	1	X	4	X
Special Area No. 4	3	X	4	X
Starland County	7	33,200	9	6,128
Stettler County No. 6	7	X	13	3,063

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Table 17.2: Poultry Inventory, May 10, 2016

	Turkeys		Other Poultry	
	# Farms	Number	# Farms	Number
<b>South Saskatchewan</b>	<b>93</b>	<b>181,640</b>	<b>209</b>	<b>63,747</b>
Bighorn No. 8	0	0	1	X
Calgary	0	0	2	X
Cardston County	5	626	8	9,198
Cypress County	4	X	12	2,745
Foothills No. 31	6	65	20	225
Forty Mile County No. 8	4	X	9	5,402
Lethbridge County	9	X	19	5,332
Newell County	6	X	17	4,464
Pincher Creek No. 9	8	X	15	3,541
Ranchland No. 66	0	0	0	0
Rocky View County	9	151	27	6,116
Taber	4	X	8	2,927
Vulcan County	9	24,644	20	8,484
Warner County No. 5	7	1,620	14	8,296
Wheatland County	11	1,629	18	3,837
Willow Creek No. 26	11	X	19	2,671

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**Table 18.1: Poultry Production, Egg Production and Birds Hatched in Commercial Hatcheries, 2015**

	Broilers, Roasters and Cornish Production		Turkey Production		Table Egg Production		Hatching Egg Production		Chicks or Other Poultry Hatched	
	# Farms	Kilograms	# Farms	Kilograms	# Farms	Dozens	# Farms	Dozens	# Farms	Number
<b>Alberta</b>	<b>542</b>	<b>136,914,883</b>	<b>215</b>	<b>18,544,695</b>	<b>1,059</b>	<b>53,488,166</b>	<b>122</b>	<b>5,772,793</b>	<b>11</b>	<b>79,530,375</b>
<b>Lower Peace</b>	<b>21</b>	<b>X</b>	<b>10</b>	<b>X</b>	<b>57</b>	<b>X</b>	<b>4</b>	<b>510</b>	<b>0</b>	<b>0</b>
Mackenzie County	18	6,392	8	2,245	46	27,847	3	X	0	0
Northern Lights County	2	X	2	X	8	4,738	0	0	0	0
Northern Sunrise County	1	X	0	0	3	X	1	X	0	0
<b>Lower Athabasca</b>	<b>1</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>4,445</b>	<b>3</b>	<b>12</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	1	X	0	0	16	3,631	1	X	0	0
Lac la Biche County	0	0	0	0	5	814	2	X	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>33</b>	<b>1,313,134</b>	<b>19</b>	<b>X</b>	<b>89</b>	<b>2,475,152</b>	<b>11</b>	<b>820</b>	<b>0</b>	<b>0</b>
Birch Hills County	4	X	1	X	4	X	1	X	0	0
Clear Hills	5	2,260	2	X	9	4,202	1	X	0	0
Fairview No. 136	2	X	0	0	1	X	1	X	0	0
Grande Prairie County No. 1	12	X	10	11,683	35	208,502	6	X	0	0
Greenview No. 16	5	543,958	2	X	19	X	1	X	0	0
Peace No. 135	0	0	0	0	4	987	0	0	0	0
Saddle Hills County	4	X	2	X	12	3,508	0	0	0	0
Smoky River No. 130	1	X	2	X	4	X	0	0	0	0
Spirit River No. 133	0	0	0	0	1	X	1	X	0	0
<b>Upper Athabasca</b>	<b>38</b>	<b>2,523,708</b>	<b>17</b>	<b>2,107,765</b>	<b>121</b>	<b>X</b>	<b>18</b>	<b>1,001,345</b>	<b>4</b>	<b>X</b>
Athabasca County	8	X	4	X	16	10,137	4	X	1	X
Barrhead County No. 11	9	X	4	724	23	1,382,010	5	X	0	0
Big Lakes	0	0	0	0	7	3,124	1	X	0	0
Lac Ste. Anne County	7	1,513	2	X	26	9,560	4	71	0	0
Lesser Slave River No. 124	0	0	1	X	2	X	0	0	0	0
Westlock County	8	X	5	1,697	19	3,056,939	2	X	3	X
Woodlands County	1	X	0	0	9	3,745	1	X	0	0
Yellowhead County	5	864	1	X	19	8,975	1	X	0	0

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**Table 18.1: Poultry Production, Egg Production and Birds Hatched in Commercial Hatcheries, 2015**

	Broilers, Roasters and Cornish Production		Turkey Production		Table Egg Production		Hatching Egg Production		Chicks or Other Poultry Hatched	
	# Farms	Kilograms	# Farms	Kilograms	# Farms	Dozens	# Farms	Dozens	# Farms	Number
<b>North Saskatchewan</b>	<b>200</b>	<b>46,506,101</b>	<b>79</b>	<b>8,191,564</b>	<b>282</b>	<b>10,649,504</b>	<b>42</b>	<b>1,785,293</b>	<b>5</b>	<b>51,854,378</b>
Beaver County	11	1,908,342	2	X	14	298,818	4	X	1	X
Brazeau County	2	X	1	X	11	19,680	1	X	0	0
Camrose County	40	16,358,831	8	X	25	1,143,644	6	X	0	0
Clearwater County	8	3,166	4	198	23	5,591	5	136	0	0
Edmonton	3	X	1	X	3	734	0	0	2	X
Flagstaff County	5	3,191	4	1,306	7	X	0	0	0	0
Lamont County	4	X	3	436	8	5,549	2	X	0	0
Leduc County	20	2,137,452	6	17,197	31	X	4	132	1	X
Minburn County No. 27	7	X	2	X	7	689,869	0	0	0	0
Parkland County	8	4,374	7	709	34	195,712	2	X	0	0
Provost No. 52	2	X	0	0	5	X	2	X	0	0
Smoky Lake County	3	4,234	2	X	7	X	1	X	0	0
St. Paul County No. 19	11	X	3	X	11	3,283	2	X	0	0
Strathcona County	13	6,987,645	4	X	19	X	5	X	0	0
Surgeon County	19	10,813,189	9	3,767,017	20	X	1	X	0	0
Thorhild County No. 7	5	X	2	X	8	X	1	X	0	0
Two Hills County No. 21	5	632,748	2	X	14	X	0	0	0	0
Vermilion River County	12	1,287,459	4	4,717	11	X	2	X	0	0
Wainwright No. 61	6	X	4	X	3	X	0	0	0	0
Wetaskiwin County No. 10	16	X	11	X	21	X	4	X	1	X
<b>Red Deer</b>	<b>125</b>	<b>45,307,444</b>	<b>36</b>	<b>3,784,072</b>	<b>181</b>	<b>9,535,936</b>	<b>22</b>	<b>1,797,284</b>	<b>0</b>	<b>0</b>
Kneehill County	25	7,588,811	2	X	15	2,098,619	6	X	0	0
Lacombe County	18	X	3	X	20	X	1	X	0	0
Mountain View County	22	7,179,877	8	X	43	X	4	33	0	0
Paintearth County No. 18	5	37,677	3	X	10	1,162,980	1	X	0	0
Ponoka County	21	18,530,519	4	X	24	X	2	X	0	0
Red Deer County	12	X	5	X	38	498,901	4	X	0	0
Special Area No. 2	5	X	1	X	3	X	0	0	0	0
Special Area No. 3	2	X	0	0	4	X	1	X	0	0
Special Area No. 4	1	X	1	X	5	X	1	X	0	0
Starland County	6	2,935,113	6	675,367	8	1,278,534	1	X	0	0
Stettler County No. 6	8	X	3	X	11	1,636,123	1	X	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 18.1: Poultry Production, Egg Production and Birds Hatched in Commercial Hatcheries, 2015**

	Broilers, Roasters and Cornish Production		Turkey Production		Table Egg Production		Hatching Egg Production		Chicks or Other Poultry Hatched	
	# Farms	Kilograms	# Farms	Kilograms	# Farms	Dozens	# Farms	Dozens	# Farms	Number
<b>South Saskatchewan</b>	<b>124</b>	<b>41,257,654</b>	<b>54</b>	<b>3,333,033</b>	<b>308</b>	<b>26,313,904</b>	<b>22</b>	<b>1,187,529</b>	<b>2</b>	<b>X</b>
Bighorn No. 8	0	0	0	0	4	951	0	0	0	0
Calgary	4	886	0	0	2	X	2	X	0	0
Cardston County	6	721,756	5	5,173	21	3,411,236	0	0	0	0
Cypress County	2	X	1	X	13	X	0	0	0	0
Foothills No. 31	10	X	2	X	35	274,089	3	90	0	0
Forty Mile County No. 8	4	X	1	X	16	X	0	0	0	0
Lethbridge County	31	18,937,128	7	X	42	329,979	6	X	1	X
Newell County	2	X	1	X	12	2,091,784	1	X	0	0
Pincher Creek No. 9	7	618,651	4	X	16	X	0	0	0	0
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0
Rocky View County	12	X	8	X	41	1,554,881	4	X	0	0
Taber	5	X	1	X	15	1,952,986	0	0	0	0
Vulcan County	12	1,287,180	10	X	25	3,121,431	1	X	0	0
Warner County No. 5	6	3,034,908	3	18,162	21	6,186,082	1	X	1	X
Wheatland County	16	2,296,280	6	12,864	21	2,035,639	1	X	0	0
Willow Creek No. 26	7	1,374,181	5	7,271	24	X	3	X	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 19.1: Cattle and Calves, May 10, 2016

	Total Cattle and Calves		Bulls (1)		Total Cows		Dairy Cows		Beef Cows		Total Heifers (1)		Beef Replacement Heifers (1)	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>Alberta</b>	<b>19,914</b>	<b>5,206,999</b>	<b>14,779</b>	<b>94,913</b>	<b>17,530</b>	<b>1,656,368</b>	<b>828</b>	<b>80,014</b>	<b>17,022</b>	<b>1,576,354</b>	<b>13,340</b>	<b>903,173</b>	<b>11,083</b>	<b>289,788</b>
<b>Lower Peace</b>	<b>385</b>	<b>47,313</b>	<b>267</b>	<b>1,305</b>	<b>349</b>	<b>19,274</b>	<b>32</b>	<b>607</b>	<b>335</b>	<b>18,667</b>	<b>263</b>	<b>6,490</b>	<b>218</b>	<b>4,189</b>
Mackenzie County	220	15,049	134	423	201	6,495	29	71	189	6,424	145	1,735	117	1,379
Northern Lights County	129	26,552	101	701	116	9,912	1	X	116	X	89	4,013	79	2,380
Northern Sunrise County	36	5,712	32	181	32	2,867	2	X	30	X	29	742	22	430
<b>Lower Athabasca</b>	<b>534</b>	<b>X</b>	<b>422</b>	<b>X</b>	<b>495</b>	<b>36,124</b>	<b>6</b>	<b>25</b>	<b>491</b>	<b>36,099</b>	<b>382</b>	<b>9,615</b>	<b>340</b>	<b>7,216</b>
Bonnyville No. 87	398	60,842	314	1,787	367	26,127	5	X	363	X	282	7,432	251	5,374
Lac la Biche County	135	21,192	107	528	128	9,997	1	X	128	X	100	2,183	89	1,842
Wood Buffalo	1	X	1	X	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>1,258</b>	<b>200,270</b>	<b>977</b>	<b>4,978</b>	<b>1,127</b>	<b>86,782</b>	<b>41</b>	<b>414</b>	<b>1,110</b>	<b>86,368</b>	<b>852</b>	<b>23,996</b>	<b>750</b>	<b>17,109</b>
Birch Hills County	52	12,783	43	354	47	6,148	1	X	47	X	34	1,023	29	822
Clear Hills	182	26,732	146	732	164	12,482	16	42	158	12,440	121	3,462	105	2,475
Fairview No. 136	65	7,482	45	180	62	3,252	1	X	62	X	47	1,343	41	896
Grande Prairie County No. 1	442	68,654	341	1,646	387	26,515	9	28	382	26,487	300	8,924	266	6,585
Greenview No. 16	272	41,121	205	961	240	18,017	7	X	238	X	183	4,960	163	3,413
Peace No. 135	53	7,621	44	230	52	3,633	1	X	51	X	28	702	25	371
Saddle Hills County	126	26,429	101	675	117	12,301	5	X	115	X	95	2,448	83	1,778
Smoky River No. 130	34	6,264	29	124	31	2,874	1	X	30	X	21	754	17	X
Spirit River No. 133	32	3,184	23	76	27	1,560	0	0	27	1,560	23	380	21	X
<b>Upper Athabasca</b>	<b>2,136</b>	<b>X</b>	<b>1,646</b>	<b>X</b>	<b>1,919</b>	<b>140,563</b>	<b>61</b>	<b>5,624</b>	<b>1,883</b>	<b>134,939</b>	<b>1,503</b>	<b>55,135</b>	<b>1,254</b>	<b>25,256</b>
Athabasca County	321	49,410	257	1,118	294	22,316	6	X	291	X	216	6,353	192	X
Barrhead County No. 11	347	76,496	239	1,096	294	22,828	19	2,611	279	20,217	245	11,974	181	3,656
Big Lakes	168	27,930	134	649	154	12,347	3	5	154	12,342	134	3,619	117	2,175
Lac Ste. Anne County	460	64,912	356	1,610	417	27,541	9	184	413	27,357	309	9,073	273	6,342
Lesser Slave River No. 124	70	10,258	57	309	70	5,488	2	X	70	X	54	963	45	869
Westlock County	343	70,139	267	1,470	306	26,652	11	1,598	297	25,054	232	9,996	191	4,328
Woodlands County	117	18,284	99	378	109	7,234	3	X	108	X	89	2,916	72	X
Yellowhead County	310	X	237	X	275	16,157	8	617	271	15,540	224	10,241	183	3,071

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 19.1: Cattle and Calves, May 10, 2016

	Total Cattle and Calves		Bulls (1)		Total Cows		Dairy Cows		Beef Cows		Total Heifers (1)		Beef Replacement Heifers (1)	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>North Saskatchewan</b>	<b>6,226</b>	<b>1,094,050</b>	<b>4,650</b>	<b>25,555</b>	<b>5,499</b>	<b>426,814</b>	<b>203</b>	<b>16,328</b>	<b>5,384</b>	<b>410,486</b>	<b>4,239</b>	<b>159,129</b>	<b>3,518</b>	<b>74,400</b>
Beaver County	310	47,768	242	1,152	285	19,155	13	600	280	18,555	219	6,290	177	3,156
Brazeau County	211	26,184	159	800	185	12,130	4	65	184	12,065	135	3,091	117	2,320
Camrose County	391	58,817	289	1,466	341	22,997	12	1,140	334	21,857	268	8,627	219	3,881
Clearwater County	579	67,364	473	1,734	524	30,856	14	725	517	30,131	400	7,199	353	5,274
Edmonton	26	2,829	17	69	24	1,109	1	X	23	X	14	612	13	X
Flagstaff County	286	59,674	229	1,632	251	24,063	9	X	245	X	202	7,810	175	4,217
Lamont County	271	43,104	207	816	242	13,040	6	X	240	X	188	10,220	153	X
Leduc County	468	57,879	321	1,329	409	26,727	50	4,651	376	22,076	306	8,161	224	4,399
Minburn County No. 27	255	72,964	204	1,166	230	22,818	6	327	228	22,491	182	11,311	149	3,793
Parkland County	326	47,134	222	1,045	290	19,068	12	1,090	281	17,978	233	7,716	188	3,242
Provost No. 52	258	99,560	204	1,805	231	32,031	1	X	231	X	192	14,539	171	5,449
Smoky Lake County	221	39,031	189	1,039	198	17,350	2	X	197	X	144	4,193	126	3,098
St. Paul County No. 19	380	78,674	285	1,749	333	30,433	9	121	329	30,312	262	10,720	223	5,489
Strathcona County	185	14,845	111	395	148	5,916	8	X	144	X	118	2,392	90	X
Sturgeon County	232	32,532	163	664	198	11,568	8	1,147	194	10,421	155	5,451	132	2,070
Thorhild County No. 7	170	19,932	130	523	158	9,554	2	X	157	X	106	1,793	89	X
Two Hills County No. 21	268	37,304	206	902	241	14,800	5	116	240	14,684	164	6,844	128	X
Vermilion River County	598	131,376	428	3,495	520	49,954	4	X	519	X	415	16,643	358	X
Wainwright No. 61	304	84,352	238	2,164	275	34,796	3	1,104	275	33,692	211	13,277	175	7,118
Wetaskiwin County No. 10	487	72,727	333	1,610	416	28,449	34	3,314	390	25,135	325	12,240	258	4,666
<b>Red Deer</b>	<b>4,617</b>	<b>1,144,929</b>	<b>3,468</b>	<b>23,775</b>	<b>4,111</b>	<b>437,569</b>	<b>235</b>	<b>31,494</b>	<b>3,941</b>	<b>406,075</b>	<b>3,104</b>	<b>169,729</b>	<b>2,628</b>	<b>73,134</b>
Kneehill County	284	125,417	212	1,537	244	29,193	7	683	241	28,510	174	27,414	153	6,383
Lacombe County	495	101,636	351	1,720	437	41,392	55	10,459	387	30,933	353	16,106	261	5,424
Mountain View County	805	105,821	579	2,676	700	46,307	30	2,660	676	43,647	497	14,771	435	10,081
Paintearth County No. 18	279	70,618	215	1,637	262	29,772	10	582	258	29,190	204	8,939	183	4,626
Ponoka County	642	130,737	451	2,741	552	52,260	55	8,285	506	43,975	450	22,017	347	8,151
Red Deer County	717	136,435	539	3,140	633	54,040	47	6,458	598	47,582	507	23,687	420	9,505
Special Area No. 2	351	138,620	280	3,107	323	56,188	4	447	323	55,741	231	15,168	214	9,058
Special Area No. 3	228	68,887	189	1,911	211	31,191	3	X	210	X	143	6,436	135	4,441
Special Area No. 4	209	90,272	162	1,941	193	37,420	2	X	193	X	135	12,196	123	6,409
Starland County	146	54,027	123	825	138	13,635	10	577	135	13,058	102	3,537	92	2,359
Stettler County No. 6	461	122,459	367	2,540	418	46,171	12	1,137	414	45,034	308	19,458	265	6,697

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 19.1: Cattle and Calves, May 10, 2016**

	Total Cattle and Calves		Bulls (1)		Total Cows		Dairy Cows		Beef Cows		Total Heifers (1)		Beef Replacement Heifers (1)	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>South Saskatchewan</b>	<b>4,758</b>	<b>2,270,663</b>	<b>3,349</b>	<b>29,448</b>	<b>4,030</b>	<b>509,242</b>	<b>250</b>	<b>25,522</b>	<b>3,878</b>	<b>483,720</b>	<b>2,997</b>	<b>479,079</b>	<b>2,375</b>	<b>88,484</b>
Bighorn No. 8	32	6,874	28	197	28	3,298	0	0	28	3,298	26	787	23	625
Calgary	36	9,245	26	211	31	4,291	0	0	31	4,291	20	837	17	709
Cardston County	298	117,090	231	2,233	276	47,978	22	2,370	268	45,608	184	13,369	160	8,421
Cypress County	492	167,797	362	3,810	434	62,319	4	410	433	61,909	316	19,731	271	9,528
Foothills No. 31	476	124,409	336	2,198	388	37,584	8	283	386	37,301	302	13,863	253	6,891
Forty Mile County No. 8	207	64,180	155	1,257	184	23,878	14	1,812	176	22,066	136	6,813	116	3,736
Lethbridge County	384	543,566	195	1,502	261	31,879	77	9,272	197	22,607	245	169,427	111	5,278
Newell County	372	197,411	283	3,155	326	47,247	15	1,404	317	45,843	241	20,670	196	7,447
Pincher Creek No. 9	304	88,080	211	1,720	249	31,712	6	294	247	31,418	196	19,092	168	7,157
Ranchland No. 66	37	17,953	25	516	31	7,174	0	0	31	7,174	27	3,140	25	1,844
Rocky View County	497	120,371	346	3,466	423	43,138	10	984	418	42,154	312	23,518	265	10,170
Taber	273	196,258	182	1,207	233	28,462	17	1,973	222	26,489	152	50,469	113	2,598
Vulcan County	267	191,944	195	1,472	234	29,420	22	2,120	223	27,300	162	64,515	122	3,390
Warner County No. 5	226	86,445	167	1,394	204	26,667	22	1,980	190	24,687	146	21,072	109	5,019
Wheatland County	331	150,167	251	2,191	277	31,074	13	825	272	30,249	211	20,376	172	6,205
Willow Creek No. 26	526	188,873	356	2,919	451	53,121	20	1,795	439	51,326	321	31,400	254	9,466

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**Table 19.2: Cattle and Calves, May 10, 2016**

	Dairy Replacement Heifers (1)		Slaughter or Feeder Heifers (1)		Steers (1)		Calves - Under 1 Year	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>Alberta</b>	<b>663</b>	<b>39,551</b>	<b>3,945</b>	<b>573,834</b>	<b>6,299</b>	<b>902,839</b>	<b>17,523</b>	<b>1,649,706</b>
<b>Lower Peace</b>	<b>13</b>	<b>379</b>	<b>67</b>	<b>1,922</b>	<b>133</b>	<b>4,810</b>	<b>337</b>	<b>15,434</b>
Mackenzie County	9	69	37	287	72	223	188	6,173
Northern Lights County	1	X	24	X	52	4,445	115	7,481
Northern Sunrise County	3	X	6	X	9	142	34	1,780
<b>Lower Athabasca</b>	<b>4</b>	<b>X</b>	<b>95</b>	<b>X</b>	<b>174</b>	<b>4,790</b>	<b>486</b>	<b>29,190</b>
Bonnyville No. 87	3	7	71	2,051	133	4,259	362	21,237
Lac la Biche County	1	X	24	X	41	531	124	7,953
Wood Buffalo	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>14</b>	<b>177</b>	<b>245</b>	<b>6,710</b>	<b>434</b>	<b>19,077</b>	<b>1,099</b>	<b>65,437</b>
Birch Hills County	1	X	10	X	16	1,729	44	3,529
Clear Hills	3	6	38	981	65	2,997	153	7,059
Fairview No. 136	0	0	14	447	20	653	56	2,054
Grande Prairie County No. 1	3	9	87	2,330	154	7,987	391	23,582
Greenview No. 16	2	X	54	X	88	3,401	235	13,782
Peace No. 135	0	0	11	331	22	517	46	2,539
Saddle Hills County	3	3	24	667	46	1,187	116	9,818
Smoky River No. 130	2	X	4	146	10	359	29	2,153
Spirit River No. 133	0	0	3	X	13	247	29	921
<b>Upper Athabasca</b>	<b>48</b>	<b>2,935</b>	<b>493</b>	<b>26,944</b>	<b>720</b>	<b>42,256</b>	<b>1,916</b>	<b>122,249</b>
Athabasca County	5	X	61	2,327	99	2,223	293	17,400
Barrhead County No. 11	21	1,308	91	7,010	135	18,472	299	22,126
Big Lakes	0	0	40	1,444	75	1,292	154	10,023
Lac Ste. Anne County	5	85	99	2,646	150	2,865	411	23,823
Lesser Slave River No. 124	0	0	13	94	19	166	63	3,332
Westlock County	12	993	72	4,675	95	5,307	309	26,714
Woodlands County	1	X	39	1,841	45	1,885	111	5,871
Yellowhead County	4	263	78	6,907	102	10,046	276	12,960

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Table 19.2: Cattle and Calves, May 10, 2016

	Dairy Replacement Heifers (1)		Slaughter or Feeder Heifers (1)		Steers (1)		Calves - Under 1 Year	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>North Saskatchewan</b>	<b>182</b>	<b>X</b>	<b>1,280</b>	<b>X</b>	<b>1,943</b>	<b>109,727</b>	<b>5,489</b>	<b>372,825</b>
Beaver County	11	172	79	2,962	95	3,424	283	17,747
Brazeau County	3	53	31	718	60	670	182	9,493
Camrose County	10	664	79	4,082	128	4,297	344	21,430
Clearwater County	12	424	99	1,501	168	2,548	515	25,027
Edmonton	1	X	0	0	6	57	25	982
Flagstaff County	8	317	57	3,276	76	5,658	251	20,511
Lamont County	2	X	67	7,913	101	8,323	238	10,705
Leduc County	50	2,029	86	1,733	147	2,486	404	19,176
Minburn County No. 27	5	208	66	7,310	70	18,318	236	19,351
Parkland County	11	483	84	3,991	113	2,885	290	16,420
Provost No. 52	3	32	56	9,058	85	10,340	224	40,845
Smoky Lake County	2	X	39	X	54	1,646	203	14,803
St. Paul County No. 19	7	90	75	5,141	110	7,936	338	27,836
Strathcona County	9	X	38	1,077	77	1,233	153	4,909
Sturgeon County	9	611	46	2,770	79	4,922	204	9,927
Thorhild County No. 7	2	X	33	511	49	411	156	7,651
Two Hills County No. 21	2	X	69	4,976	67	2,138	243	12,620
Vermilion River County	2	X	112	7,119	192	18,711	510	42,573
Wainwright No. 61	6	388	74	5,771	93	6,449	272	27,666
Wetaskiwin County No. 10	27	1,841	90	5,733	173	7,275	418	23,153
<b>Red Deer</b>	<b>203</b>	<b>15,857</b>	<b>787</b>	<b>80,738</b>	<b>1,299</b>	<b>111,982</b>	<b>4,108</b>	<b>401,874</b>
Kneehill County	7	468	49	20,563	96	36,452	255	30,821
Lacombe County	52	6,684	93	3,998	150	10,027	436	32,391
Mountain View County	24	1,299	93	3,391	186	3,091	690	38,976
Paintearth County No. 18	4	189	48	4,124	91	5,790	262	24,480
Ponoka County	51	3,608	128	10,258	196	8,623	560	45,096
Red Deer County	39	2,573	147	11,609	206	11,366	629	44,202
Special Area No. 2	4	228	62	5,882	89	8,256	316	55,901
Special Area No. 3	1	X	24	X	49	2,977	216	26,372
Special Area No. 4	4	X	30	X	54	11,075	188	27,640
Starland County	8	268	20	910	48	1,278	137	34,752
Stettler County No. 6	9	457	93	12,304	134	13,047	419	41,243

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) 1 year and over. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 19.2: Cattle and Calves, May 10, 2016**

	<b>Dairy Replacement Heifers (1)</b>		<b>Slaughter or Feeder Heifers (1)</b>		<b>Steers (1)</b>		<b>Calves - Under 1 Year</b>	
	<b># Farms</b>	<b>Head</b>	<b># Farms</b>	<b>Head</b>	<b># Farms</b>	<b>Head</b>	<b># Farms</b>	<b>Head</b>
<b>South Saskatchewan</b>	<b>199</b>	<b>12,165</b>	<b>978</b>	<b>378,430</b>	<b>1,596</b>	<b>610,197</b>	<b>4,088</b>	<b>642,697</b>
Bighorn No. 8	0	0	9	162	11	46	27	2,546
Calgary	0	0	7	128	12	1,095	30	2,811
Cardston County	17	799	51	4,149	91	12,664	270	40,846
Cypress County	4	420	98	9,783	140	13,462	426	68,475
Foothills No. 31	4	78	85	6,894	190	8,654	389	62,110
Forty Mile County No. 8	12	669	36	2,408	67	9,703	185	22,529
Lethbridge County	67	4,493	103	159,656	133	256,904	298	83,854
Newell County	12	1,071	75	12,152	119	80,647	334	45,692
Pincher Creek No. 9	4	167	79	11,768	129	7,797	252	27,759
Ranchland No. 66	0	0	9	1,296	10	1,532	29	5,591
Rocky View County	8	353	97	12,995	149	14,138	419	36,111
Taber	12	969	44	46,902	86	67,506	238	48,614
Vulcan County	15	852	53	60,273	94	50,905	237	45,632
Warner County No. 5	17	1,108	47	14,945	64	15,400	208	21,912
Wheatland County	11	382	58	13,789	114	40,593	295	55,933
Willow Creek No. 26	16	804	127	21,130	187	29,151	451	72,282

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) 1 year and over. X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 20.1: Pigs, May 10, 2016

	Total Pigs		Boars		Sows and Gilts - Breeding		Nursing Pigs		Weaner Pigs		Grower and Finishing Pigs	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>Alberta</b>	<b>1,211</b>	<b>1,462,247</b>	<b>573</b>	<b>4,941</b>	<b>698</b>	<b>121,562</b>	<b>361</b>	<b>211,333</b>	<b>486</b>	<b>312,555</b>	<b>703</b>	<b>811,856</b>
<b>Lower Peace</b>	<b>92</b>	<b>X</b>	<b>37</b>	<b>X</b>	<b>54</b>	<b>X</b>	<b>20</b>	<b>228</b>	<b>19</b>	<b>278</b>	<b>48</b>	<b>X</b>
Mackenzie County	76	1,318	27	33	41	119	15	171	15	254	44	741
Northern Lights County	15	152	9	10	12	43	5	57	4	24	3	18
Northern Sunrise County	1	X	1	X	1	X	0	0	0	0	1	X
<b>Lower Athabasca</b>	<b>23</b>	<b>329</b>	<b>10</b>	<b>26</b>	<b>14</b>	<b>X</b>	<b>6</b>	<b>71</b>	<b>7</b>	<b>X</b>	<b>13</b>	<b>X</b>
Bonnyville No. 87	17	289	9	X	13	74	5	X	5	70	10	61
Lac la Biche County	6	40	1	X	1	X	1	X	2	X	3	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>133</b>	<b>110,236</b>	<b>62</b>	<b>228</b>	<b>84</b>	<b>8,052</b>	<b>33</b>	<b>13,638</b>	<b>48</b>	<b>26,693</b>	<b>69</b>	<b>61,625</b>
Birch Hills County	6	16,829	3	66	4	1,355	3	2,200	5	3,357	4	9,851
Clear Hills	33	447	15	23	19	83	6	39	9	38	20	264
Fairview No. 136	9	X	3	3	5	16	3	X	3	X	8	X
Grande Prairie County No. 1	40	X	20	87	26	X	9	2,116	14	X	18	X
Greenview No. 16	19	190	6	10	12	25	4	32	8	81	7	42
Peace No. 135	7	X	4	10	5	21	1	X	2	X	4	29
Saddle Hills County	11	X	8	9	9	36	4	50	2	X	5	26
Smoky River No. 130	4	X	2	X	3	X	3	X	3	X	3	X
Spirit River No. 133	4	16	1	X	1	X	0	0	2	X	0	0
<b>Upper Athabasca</b>	<b>155</b>	<b>X</b>	<b>66</b>	<b>246</b>	<b>83</b>	<b>5,157</b>	<b>29</b>	<b>7,034</b>	<b>62</b>	<b>X</b>	<b>79</b>	<b>44,856</b>
Athabasca County	24	X	11	22	13	445	0	0	11	X	9	X
Barrhead County No. 11	30	21,246	13	X	16	1,427	10	X	18	3,902	21	14,221
Big Lakes	12	76	6	13	6	10	1	X	2	X	5	44
Lac Ste. Anne County	23	X	8	11	13	X	3	10	9	436	8	X
Lesser Slave River No. 124	5	X	3	X	3	X	2	X	2	X	2	X
Westlock County	26	32,300	14	X	17	X	9	X	10	X	17	X
Woodlands County	10	X	2	X	4	18	0	0	3	14	4	X
Yellowhead County	25	558	9	15	11	76	4	121	7	196	13	150

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 20.1: Pigs, May 10, 2016

	Total Pigs		Boars		Sows and Gilts - Breeding		Nursing Pigs		Weaner Pigs		Grower and Finishing Pigs	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>North Saskatchewan</b>	<b>330</b>	<b>230,945</b>	<b>142</b>	<b>678</b>	<b>181</b>	<b>18,519</b>	<b>82</b>	<b>28,866</b>	<b>124</b>	<b>46,128</b>	<b>168</b>	<b>136,754</b>
Beaver County	19	19,002	11	56	13	968	8	1,757	11	4,206	12	12,015
Brazeau County	17	74	7	7	8	17	1	X	7	X	5	23
Camrose County	29	15,456	13	68	15	1,968	10	364	8	2,876	17	10,180
Clearwater County	27	7,853	13	23	14	X	7	1,520	12	2,724	13	X
Edmonton	2	X	1	X	1	X	1	X	1	X	2	X
Flagstaff County	8	X	2	X	2	X	1	X	3	X	4	X
Lamont County	16	X	7	52	9	X	3	X	7	X	8	X
Leduc County	13	X	8	99	9	288	5	X	4	740	8	X
Minburn County No. 27	21	9,699	10	63	13	958	4	1,635	9	3,358	9	3,685
Parkland County	22	123	8	12	13	29	3	X	3	X	9	31
Provost No. 52	6	X	3	X	3	X	2	X	1	X	5	X
Smoky Lake County	5	137	1	X	2	X	1	X	3	X	3	X
St. Paul County No. 19	24	532	10	16	19	116	3	101	9	226	10	73
Strathcona County	11	X	5	37	7	X	5	X	4	X	4	X
Sturgeon County	16	19,764	9	X	10	X	5	X	7	5,219	12	11,939
Thorhild County No. 7	12	1,287	4	X	3	X	3	X	5	X	4	X
Two Hills County No. 21	13	128	3	4	6	13	1	X	2	X	8	80
Vermilion River County	23	X	6	34	8	X	5	X	12	X	14	X
Wainwright No. 61	15	92,479	6	74	6	6,789	4	13,136	5	16,491	10	55,989
Wetaskiwin County No. 10	31	1,809	15	25	20	249	10	348	11	557	11	630
<b>Red Deer</b>	<b>224</b>	<b>381,206</b>	<b>111</b>	<b>1,367</b>	<b>127</b>	<b>36,740</b>	<b>76</b>	<b>67,038</b>	<b>89</b>	<b>79,640</b>	<b>143</b>	<b>196,421</b>
Kneehill County	26	44,613	13	124	15	3,088	13	6,420	12	14,334	19	20,647
Lacombe County	38	83,494	17	89	15	4,437	11	5,375	19	28,462	21	45,131
Mountain View County	25	X	10	X	14	57	4	X	6	X	11	X
Paintearth County No. 18	15	21,202	10	114	12	X	10	X	7	X	13	12,282
Ponoka County	34	38,085	16	367	18	5,219	6	11,224	16	2,869	19	18,406
Red Deer County	42	52,460	17	54	21	3,952	11	6,414	12	12,035	28	30,005
Special Area No. 2	11	X	8	64	10	X	5	X	3	X	6	X
Special Area No. 3	5	X	3	X	3	X	2	X	2	X	5	X
Special Area No. 4	3	X	1	X	1	X	1	X	2	X	2	X
Starland County	12	58,575	9	184	9	9,315	8	16,806	6	6,987	11	25,283
Stettler County No. 6	13	37,061	7	90	9	4,058	5	7,098	4	2,157	8	23,658

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 20.1: Pigs, May 10, 2016

	Total Pigs		Boars		Sows and Gilts - Breeding		Nursing Pigs		Weaner Pigs		Grower and Finishing Pigs	
	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head	# Farms	Head
<b>South Saskatchewan</b>	<b>254</b>	<b>664,940</b>	<b>145</b>	<b>X</b>	<b>155</b>	<b>X</b>	<b>115</b>	<b>94,458</b>	<b>137</b>	<b>143,918</b>	<b>183</b>	<b>371,360</b>
Bighorn No. 8	0	0	0	0	0	0	0	0	0	0	0	0
Calgary	1	X	1	X	1	X	0	0	0	0	0	0
Cardston County	17	51,318	13	201	13	3,595	12	6,405	11	8,268	15	32,849
Cypress County	16	X	7	40	6	X	1	X	7	X	8	X
Foothills No. 31	11	X	8	14	8	X	4	X	2	X	7	X
Forty Mile County No. 8	7	X	6	160	6	X	6	X	7	X	6	X
Lethbridge County	41	73,161	20	146	24	6,498	14	15,311	15	15,820	26	35,386
Newell County	18	37,470	8	148	8	2,832	7	5,794	8	7,077	14	21,619
Pincher Creek No. 9	17	23,988	6	84	4	1,785	4	3,256	7	4,982	12	13,881
Ranchland No. 66	0	0	0	0	0	0	0	0	0	0	0	0
Rocky View County	19	37,400	7	74	9	1,256	5	2,422	10	9,386	15	24,262
Taber	23	73,305	14	205	15	6,132	12	11,285	14	14,768	17	40,915
Vulcan County	21	86,773	12	299	15	7,993	13	14,009	17	21,252	16	43,220
Warner County No. 5	27	104,428	20	573	23	8,421	19	14,519	19	23,059	22	57,856
Wheatland County	19	94,798	14	170	15	8,805	11	12,976	11	27,339	13	45,508
Willow Creek No. 26	17	37,357	9	237	8	2,315	7	3,401	9	4,406	12	26,998

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 21.1: Sheep and Lambs, May 10, 2016

	Total Sheep and Lambs		Rams		Ewes		Lambs	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>Alberta</b>	<b>1,677</b>	<b>195,511</b>	<b>1,205</b>	<b>4,772</b>	<b>1,546</b>	<b>90,281</b>	<b>1,368</b>	<b>100,458</b>
<b>Lower Peace</b>	<b>44</b>	<b>X</b>	<b>30</b>	<b>X</b>	<b>41</b>	<b>X</b>	<b>34</b>	<b>X</b>
Mackenzie County	31	1,011	20	28	28	492	24	491
Northern Lights County	10	1,033	8	19	10	448	8	566
Northern Sunrise County	3	X	2	X	3	X	2	X
<b>Lower Athabasca</b>	<b>30</b>	<b>1,566</b>	<b>28</b>	<b>62</b>	<b>29</b>	<b>764</b>	<b>26</b>	<b>740</b>
Bonnyville No. 87	21	962	19	48	20	462	17	452
Lac la Biche County	9	604	9	14	9	302	9	288
Wood Buffalo	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>102</b>	<b>8,770</b>	<b>68</b>	<b>221</b>	<b>92</b>	<b>4,888</b>	<b>71</b>	<b>3,661</b>
Birch Hills County	3	X	3	25	3	X	2	X
Clear Hills	17	874	9	23	15	389	12	462
Fairview No. 136	5	811	5	20	5	480	3	311
Grande Prairie County No. 1	36	2,624	23	56	30	1,345	27	1,223
Greenview No. 16	23	1,447	18	36	22	687	16	724
Peace No. 135	7	481	3	12	6	198	4	271
Saddle Hills County	8	884	4	26	8	447	5	411
Smoky River No. 130	2	X	2	X	2	X	1	X
Spirit River No. 133	1	X	1	X	1	X	1	X
<b>Upper Athabasca</b>	<b>228</b>	<b>X</b>	<b>171</b>	<b>X</b>	<b>213</b>	<b>X</b>	<b>190</b>	<b>X</b>
Athabasca County	34	3,178	24	63	30	1,466	26	1,649
Barrhead County No. 11	34	4,789	26	73	32	2,291	28	2,425
Big Lakes	18	1,271	12	21	16	601	15	649
Lac Ste. Anne County	46	4,110	34	89	43	2,160	38	1,861
Lesser Slave River No. 124	3	X	2	X	3	X	3	X
Westlock County	32	3,896	23	77	31	1,623	28	2,196
Woodlands County	13	445	11	20	12	226	11	199
Yellowhead County	48	3,620	39	101	46	1,552	41	1,967

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 21.1: Sheep and Lambs, May 10, 2016**

	Total Sheep and Lambs		Rams		Ewes		Lambs	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>North Saskatchewan</b>	<b>505</b>	<b>46,812</b>	<b>362</b>	<b>1,326</b>	<b>472</b>	<b>20,352</b>	<b>407</b>	<b>25,134</b>
Beaver County	22	1,017	17	33	20	434	18	550
Brazeau County	16	556	7	9	15	233	13	314
Camrose County	52	5,826	34	162	49	2,325	45	3,339
Clearwater County	46	3,448	34	71	45	1,462	34	1,915
Edmonton	4	107	3	9	4	55	3	43
Flagstaff County	15	689	6	14	12	313	12	362
Lamont County	21	1,179	16	40	20	622	15	517
Leduc County	46	3,386	36	102	44	1,416	37	1,868
Minburn County No. 27	24	4,245	16	73	24	1,967	21	2,205
Parkland County	50	8,329	40	197	48	3,315	38	4,817
Provost No. 52	10	444	7	12	8	210	8	222
Smoky Lake County	8	756	6	18	8	354	6	384
St. Paul County No. 19	21	1,082	14	27	17	600	16	455
Strathcona County	24	577	15	31	22	285	17	261
Sturgeon County	17	1,438	13	45	16	582	14	811
Thorhild County No. 7	6	473	4	19	6	296	6	158
Two Hills County No. 21	18	1,783	11	27	17	792	14	964
Vermilion River County	34	3,614	28	80	31	1,492	30	2,042
Wainwright No. 61	8	493	5	18	7	239	7	236
Wetaskiwin County No. 10	63	7,370	50	339	59	3,360	53	3,671
<b>Red Deer</b>	<b>337</b>	<b>40,480</b>	<b>245</b>	<b>1,109</b>	<b>309</b>	<b>19,132</b>	<b>270</b>	<b>20,239</b>
Kneehill County	21	2,242	15	109	17	964	16	1,169
Lacombe County	47	6,990	36	156	44	3,103	33	3,731
Mountain View County	65	7,604	50	175	60	3,103	59	4,326
Paintearth County No. 18	12	1,410	11	48	11	712	9	650
Ponoka County	67	8,399	45	150	63	3,578	53	4,671
Red Deer County	65	5,331	48	187	57	2,635	54	2,509
Special Area No. 2	12	1,791	9	33	11	739	9	1,019
Special Area No. 3	6	X	3	X	6	X	5	166
Special Area No. 4	4	X	3	X	3	X	4	214
Starland County	11	1,831	10	61	11	1,034	8	736
Stettler County No. 6	27	2,992	15	96	26	1,848	20	1,048

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 21.1: Sheep and Lambs, May 10, 2016**

	Total Sheep and Lambs		Rams		Ewes		Lambs	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>South Saskatchewan</b>	<b>431</b>	<b>73,948</b>	<b>301</b>	<b>1,545</b>	<b>390</b>	<b>33,968</b>	<b>370</b>	<b>38,435</b>
Bighorn No. 8	5	255	3	5	5	119	4	131
Calgary	3	103	2	X	3	X	2	X
Cardston County	24	12,152	23	195	24	5,336	23	6,621
Cypress County	26	1,671	21	50	23	642	23	979
Foothills No. 31	37	3,401	20	X	35	X	29	X
Forty Mile County No. 8	12	2,182	8	46	10	888	11	1,248
Lethbridge County	72	15,943	53	333	67	6,987	64	8,623
Newell County	22	2,429	18	55	20	1,181	20	1,193
Pincher Creek No. 9	17	4,697	10	103	14	2,206	15	2,388
Ranchland No. 66	6	622	5	16	5	222	4	384
Rocky View County	56	3,637	33	102	46	1,670	50	1,865
Taber	31	7,124	21	135	27	4,694	25	2,295
Vulcan County	25	5,704	17	100	22	2,411	21	3,193
Warner County No. 5	18	1,759	11	43	16	776	15	940
Wheatland County	34	2,741	28	112	33	1,509	31	1,120
Willow Creek No. 26	43	9,528	28	182	40	3,924	33	5,422

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 22.1: Other Livestock and Bees, May 10, 2016

	Horses and Ponies		Goats		Mink		Bison (Buffalo)		Rabbits	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>Alberta</b>	<b>12,808</b>	<b>108,702</b>	<b>963</b>	<b>27,955</b>	<b>5</b>	<b>148</b>	<b>445</b>	<b>54,907</b>	<b>470</b>	<b>4,917</b>
<b>Lower Peace</b>	<b>313</b>	<b>1,872</b>	<b>34</b>	<b>624</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>3,573</b>	<b>28</b>	<b>X</b>
Mackenzie County	163	717	16	X	0	0	5	114	19	110
Northern Lights County	119	961	16	458	0	0	11	1,442	8	29
Northern Sunrise County	31	194	2	X	0	0	6	2,017	1	X
<b>Lower Athabasca</b>	<b>313</b>	<b>2,211</b>	<b>20</b>	<b>290</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>X</b>	<b>13</b>	<b>90</b>
Bonnyville No. 87	236	1,571	16	225	0	0	9	1,895	13	90
Lac la Biche County	77	640	4	65	0	0	3	X	0	0
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>995</b>	<b>8,637</b>	<b>108</b>	<b>1,749</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>11,655</b>	<b>59</b>	<b>739</b>
Birch Hills County	48	300	1	X	0	0	1	X	1	X
Clear Hills	141	1,424	19	358	0	0	5	560	5	72
Fairview No. 136	40	273	6	140	0	0	3	X	3	4
Grande Prairie County No. 1	370	3,518	40	501	0	0	32	5,953	23	230
Greenview No. 16	209	1,488	18	425	0	0	15	4,158	8	344
Peace No. 135	34	176	5	15	0	0	5	128	6	20
Saddle Hills County	103	943	17	226	0	0	11	678	10	59
Smoky River No. 130	25	249	0	0	0	0	2	X	1	X
Spirit River No. 133	25	266	2	X	0	0	0	0	2	X
<b>Upper Athabasca</b>	<b>1,247</b>	<b>10,804</b>	<b>139</b>	<b>X</b>	<b>2</b>	<b>X</b>	<b>54</b>	<b>X</b>	<b>62</b>	<b>X</b>
Athabasca County	187	1,711	19	318	0	0	11	1,027	7	34
Barrhead County No. 11	167	994	26	894	0	0	5	433	9	85
Big Lakes	97	744	9	147	0	0	5	211	7	X
Lac Ste. Anne County	308	3,010	23	203	0	0	10	1,203	16	86
Lesser Slave River No. 124	33	237	1	X	0	0	4	446	1	X
Westlock County	147	1,161	22	351	1	X	3	X	5	33
Woodlands County	66	651	10	442	0	0	5	X	5	23
Yellowhead County	242	2,296	29	374	1	X	11	1,023	12	160

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 22.1: Other Livestock and Bees, May 10, 2016**

	Horses and Ponies		Goats		Mink		Bison (Buffalo)		Rabbits	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>North Saskatchewan</b>	<b>3,836</b>	<b>31,203</b>	<b>274</b>	<b>7,489</b>	<b>1</b>	<b>X</b>	<b>165</b>	<b>14,706</b>	<b>130</b>	<b>1,726</b>
Beaver County	187	1,179	9	81	0	0	8	120	7	509
Brazeau County	196	1,492	14	217	0	0	10	314	9	54
Camrose County	248	1,672	21	948	0	0	3	X	10	149
Clearwater County	471	4,256	26	485	0	0	17	974	13	52
Edmonton	25	253	1	X	0	0	0	0	0	0
Flagstaff County	128	911	7	26	0	0	2	X	1	X
Lamont County	121	903	13	314	0	0	12	2,432	3	X
Leduc County	293	2,796	27	844	0	0	10	253	14	100
Minburn County No. 27	149	939	3	26	0	0	4	X	5	12
Parkland County	246	2,626	25	1,069	0	0	7	489	6	182
Provost No. 52	121	676	4	62	0	0	3	X	5	32
Smoky Lake County	101	817	10	34	0	0	3	X	2	X
St. Paul County No. 19	168	1,028	17	1,234	0	0	7	615	11	X
Strathcona County	201	2,139	15	X	0	0	4	168	4	51
Sturgeon County	175	1,433	17	360	0	0	11	728	6	46
Thorhild County No. 7	75	686	5	121	0	0	9	341	5	25
Two Hills County No. 21	106	739	6	429	0	0	4	463	3	X
Vermilion River County	315	2,175	21	411	0	0	16	2,549	13	107
Wainwright No. 61	166	968	9	201	0	0	7	838	1	X
Wetaskiwin County No. 10	344	3,515	24	439	1	X	28	2,521	12	124
<b>Red Deer</b>	<b>2,804</b>	<b>21,679</b>	<b>203</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>72</b>	<b>11,619</b>	<b>86</b>	<b>614</b>
Kneehill County	180	1,159	11	618	0	0	7	259	4	41
Lacombe County	295	2,411	34	2,104	0	0	10	2,330	11	33
Mountain View County	630	4,342	42	1,216	0	0	10	1,451	16	149
Paintearth County No. 18	136	1,173	4	131	0	0	3	126	4	X
Ponoka County	368	3,038	30	1,737	0	0	14	1,832	18	67
Red Deer County	496	3,692	43	1,772	0	0	12	1,646	23	281
Special Area No. 2	192	1,727	10	177	1	X	1	X	2	X
Special Area No. 3	99	725	7	153	0	0	2	X	3	X
Special Area No. 4	91	818	7	55	0	0	2	X	0	0
Starland County	74	417	3	X	0	0	5	850	1	X
Stettler County No. 6	243	2,177	12	563	0	0	6	1,703	4	12

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 22.1: Other Livestock and Bees, May 10, 2016**

	Horses and Ponies		Goats		Mink		Bison (Buffalo)		Rabbits	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>South Saskatchewan</b>	<b>3,300</b>	<b>32,296</b>	<b>185</b>	<b>6,140</b>	<b>1</b>	<b>X</b>	<b>46</b>	<b>6,742</b>	<b>92</b>	<b>1,112</b>
Bighorn No. 8	34	757	3	X	0	0	0	0	1	X
Calgary	35	272	1	X	0	0	1	X	1	X
Cardston County	216	1,853	5	262	0	0	1	X	0	0
Cypress County	292	1,789	14	55	0	0	5	X	9	32
Foothills No. 31	544	5,419	16	X	0	0	13	X	9	X
Forty Mile County No. 8	95	424	5	88	0	0	1	X	4	6
Lethbridge County	174	1,452	20	2,073	0	0	2	X	17	572
Newell County	216	1,243	17	133	0	0	0	0	12	48
Pincher Creek No. 9	232	1,831	7	180	0	0	5	111	2	X
Ranchland No. 66	37	319	5	X	0	0	1	X	1	X
Rocky View County	477	4,265	19	258	0	0	5	314	6	110
Taber	116	587	10	81	0	0	1	X	7	26
Vulcan County	145	921	14	573	0	0	2	X	3	X
Warner County No. 5	114	659	13	90	0	0	0	0	3	8
Wheatland County	221	1,618	17	X	1	X	3	41	10	80
Willow Creek No. 26	352	8,887	19	1,764	0	0	6	X	7	99

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 22.2: Other Livestock and Bees, May 10, 2016**

	Deer (Excl. Wild Deer)		Elk		Llamas and Alpacas		Colonies of Honey Bees		Gallons of Other Pollinating Bees	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>Alberta</b>	<b>25</b>	<b>1,161</b>	<b>150</b>	<b>11,904</b>	<b>948</b>	<b>5,807</b>	<b>708</b>	<b>304,846</b>	<b>153</b>	<b>199,848</b>
<b>Lower Peace</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>X</b>	<b>25</b>	<b>81</b>	<b>19</b>	<b>X</b>	<b>7</b>	<b>3,880</b>
Mackenzie County	0	0	3	X	7	26	6	X	5	X
Northern Lights County	0	0	7	666	14	44	7	881	2	X
Northern Sunrise County	0	0	0	0	4	11	6	5,210	0	0
<b>Lower Athabasca</b>	<b>3</b>	<b>X</b>	<b>5</b>	<b>X</b>	<b>33</b>	<b>124</b>	<b>9</b>	<b>X</b>	<b>2</b>	<b>X</b>
Bonnyville No. 87	3	X	4	X	26	105	8	X	1	X
Lac la Biche County	0	0	1	X	7	19	1	X	1	X
Wood Buffalo	0	0	0	0	0	0	0	0	0	0
<b>Upper Peace</b>	<b>1</b>	<b>X</b>	<b>24</b>	<b>1,966</b>	<b>84</b>	<b>594</b>	<b>66</b>	<b>61,204</b>	<b>13</b>	<b>10,633</b>
Birch Hills County	0	0	0	0	3	16	2	X	0	0
Clear Hills	0	0	3	146	10	52	7	1,157	1	X
Fairview No. 136	0	0	2	X	3	X	2	X	2	X
Grande Prairie County No. 1	1	X	10	887	30	231	22	11,171	4	X
Greenview No. 16	0	0	3	353	16	91	5	X	2	X
Peace No. 135	0	0	0	0	2	X	5	3,600	1	X
Saddle Hills County	0	0	3	X	16	104	13	1,827	2	X
Smoky River No. 130	0	0	1	X	2	X	9	31,702	1	X
Spirit River No. 133	0	0	2	X	2	X	1	X	0	0
<b>Upper Athabasca</b>	<b>6</b>	<b>64</b>	<b>29</b>	<b>1,353</b>	<b>136</b>	<b>624</b>	<b>93</b>	<b>44,139</b>	<b>4</b>	<b>X</b>
Athabasca County	2	X	4	228	21	79	9	3,338	0	0
Barrhead County No. 11	1	X	0	0	21	74	11	X	0	0
Big Lakes	1	X	1	X	5	X	13	5,432	0	0
Lac Ste. Anne County	0	0	7	450	35	106	18	5,776	1	X
Lesser Slave River No. 124	0	0	2	X	2	X	2	X	0	0
Westlock County	1	X	1	X	23	96	12	19,120	2	X
Woodlands County	0	0	3	X	7	71	6	37	0	0
Yellowhead County	1	X	11	522	22	186	22	591	1	X

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Table 22.2: Other Livestock and Bees, May 10, 2016

	Deer (Excl. Wild Deer)		Elk		Llamas and Alpacas		Colonies of Honey Bees		Gallons of Other Pollinating Bees	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>North Saskatchewan</b>	<b>9</b>	<b>270</b>	<b>49</b>	<b>4,990</b>	<b>298</b>	<b>1,596</b>	<b>234</b>	<b>73,425</b>	<b>15</b>	<b>885</b>
Beaver County	1	X	0	0	15	99	7	X	2	X
Brazeau County	0	0	3	163	8	115	8	945	1	X
Camrose County	0	0	1	X	18	41	19	13,784	1	X
Clearwater County	1	X	4	114	34	114	19	262	0	0
Edmonton	0	0	1	X	2	X	12	509	0	0
Flagstaff County	1	X	0	0	5	17	10	X	0	0
Lamont County	1	X	2	X	25	69	11	4,571	0	0
Leduc County	0	0	7	659	28	246	14	4,077	1	X
Minburn County No. 27	1	X	5	291	11	108	10	X	3	22
Parkland County	0	0	4	X	20	X	25	7,921	0	0
Provost No. 52	0	0	2	X	5	47	4	5	0	0
Smoky Lake County	0	0	0	0	13	63	5	X	2	X
St. Paul County No. 19	1	X	3	175	14	37	12	8,712	1	X
Strathcona County	0	0	0	0	14	150	19	1,915	0	0
Sturgeon County	0	0	1	X	22	126	14	10,495	0	0
Thorhild County No. 7	0	0	1	X	7	36	3	X	1	X
Two Hills County No. 21	0	0	1	X	10	85	8	73	1	X
Vermilion River County	2	X	6	486	14	47	7	118	1	X
Wainwright No. 61	1	X	1	X	7	18	12	3,374	1	X
Wetaskiwin County No. 10	0	0	7	1,409	26	95	15	7,174	0	0
<b>Red Deer</b>	<b>5</b>	<b>705</b>	<b>25</b>	<b>1,967</b>	<b>198</b>	<b>1,452</b>	<b>111</b>	<b>26,701</b>	<b>7</b>	<b>18,180</b>
Kneehill County	0	0	4	X	6	X	8	921	0	0
Lacombe County	1	X	7	644	25	101	17	X	0	0
Mountain View County	1	X	3	113	42	137	26	180	1	X
Paintearth County No. 18	0	0	1	X	10	24	8	X	0	0
Ponoka County	1	X	4	394	32	166	16	X	1	X
Red Deer County	1	X	5	424	49	332	25	7,882	0	0
Special Area No. 2	0	0	0	0	12	52	1	X	1	X
Special Area No. 3	1	X	0	0	3	8	2	X	2	X
Special Area No. 4	0	0	0	0	4	18	1	X	1	X
Starland County	0	0	0	0	1	X	4	X	0	0
Stettler County No. 6	0	0	1	X	14	144	3	X	1	X

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**Table 22.2: Other Livestock and Bees, May 10, 2016**

	Deer (Excl. Wild Deer)		Elk		Llamas and Alpacas		Colonies of Honey Bees		Gallons of Other Pollinating Bees	
	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number	# Farms	Number
<b>South Saskatchewan</b>	<b>1</b>	<b>X</b>	<b>8</b>	<b>361</b>	<b>174</b>	<b>1,336</b>	<b>176</b>	<b>83,723</b>	<b>105</b>	<b>166,096</b>
Bighorn No. 8	0	0	0	0	0	0	1	X	0	0
Calgary	0	0	0	0	4	17	28	267	2	X
Cardston County	1	X	0	0	5	X	11	164	1	X
Cypress County	0	0	0	0	18	82	14	674	3	X
Foothills No. 31	0	0	2	X	22	217	18	17,513	2	X
Forty Mile County No. 8	0	0	0	0	3	3	2	X	0	0
Lethbridge County	0	0	0	0	14	79	9	X	4	X
Newell County	0	0	0	0	19	139	9	27,699	74	68,123
Pincher Creek No. 9	0	0	0	0	8	53	6	47	0	0
Ranchland No. 66	0	0	0	0	2	X	2	X	0	0
Rocky View County	0	0	2	X	20	175	29	300	4	X
Taber	0	0	0	0	14	131	4	X	10	X
Vulcan County	0	0	0	0	9	X	12	439	4	66,051
Warner County No. 5	0	0	3	X	4	8	6	160	1	X
Wheatland County	0	0	0	0	20	164	12	X	0	0
Willow Creek No. 26	0	0	1	X	12	215	13	28,428	0	0

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**Table 23.1: Farm Machinery Inventory and Market Value, 2016**

	Total Tractors			Tractors Under 60 hp			Tractors 60 to 149 hp		
	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)
<b>Alberta</b>	<b>36,880</b>	<b>143,372</b>	<b>4,507,588</b>	<b>25,965</b>	<b>62,911</b>	<b>440,782</b>	<b>27,704</b>	<b>51,589</b>	<b>1,461,966</b>
<b>Lower Peace</b>	<b>1,061</b>	<b>4,212</b>	<b>116,730</b>	<b>778</b>	<b>1,775</b>	<b>13,956</b>	<b>785</b>	<b>1,385</b>	<b>29,510</b>
Mackenzie County	581	2,182	53,869	438	955	8,894	414	670	15,167
Northern Lights County	348	1,434	40,934	236	565	3,190	275	541	10,380
Northern Sunrise County	132	596	21,928	104	255	1,872	96	174	3,964
<b>Lower Athabasca</b>	<b>834</b>	<b>3,190</b>	<b>75,053</b>	<b>543</b>	<b>X</b>	<b>X</b>	<b>656</b>	<b>1,377</b>	<b>X</b>
Bonnyville No. 87	609	2,386	51,056	416	1,018	6,709	478	990	22,876
Lac la Biche County	221	794	23,783	125	289	2,198	174	380	11,869
Wood Buffalo	4	11	215	2	X	X	4	7	X
<b>Upper Peace</b>	<b>3,068</b>	<b>12,133</b>	<b>369,555</b>	<b>2,035</b>	<b>4,952</b>	<b>33,604</b>	<b>2,324</b>	<b>4,256</b>	<b>109,500</b>
Birch Hills County	171	754	35,175	105	256	2,099	133	259	7,599
Clear Hills	363	1,462	37,959	239	554	3,220	291	570	14,139
Fairview No. 136	184	723	24,184	130	314	2,916	128	218	6,618
Grande Prairie County No. 1	1,022	3,680	98,525	674	1,551	10,884	777	1,360	36,874
Greenview No. 16	490	1,881	46,042	322	806	4,967	377	710	17,996
Peace No. 135	112	476	11,248	69	194	996	91	174	3,960
Saddle Hills County	349	1,416	41,284	218	545	2,982	259	500	11,613
Smoky River No. 130	274	1,304	56,889	206	558	4,608	193	337	6,834
Spirit River No. 133	103	437	18,249	72	175	933	75	129	3,867
<b>Upper Athabasca</b>	<b>3,858</b>	<b>15,126</b>	<b>366,343</b>	<b>2,632</b>	<b>X</b>	<b>X</b>	<b>3,100</b>	<b>6,225</b>	<b>X</b>
Athabasca County	610	2,523	57,955	401	1,034	5,458	517	1,086	27,389
Barrhead County No. 11	633	2,453	69,385	433	1,000	5,992	514	988	25,462
Big Lakes	290	1,112	25,590	172	438	2,833	231	479	11,595
Lac Ste. Anne County	739	2,808	57,999	530	1,255	7,554	583	1,219	32,166
Lesser Slave River No. 124	129	552	9,644	90	229	1,096	106	219	4,127
Westlock County	681	2,704	85,172	471	1,186	7,693	522	968	25,979
Woodlands County	205	807	15,476	145	371	2,384	172	341	7,885
Yellowhead County	571	2,166	45,121	390	X	X	455	927	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 23.1: Farm Machinery Inventory and Market Value, 2016**

	Total Tractors			Tractors Under 60 hp			Tractors 60 to 149 hp		
	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)
<b>North Saskatchewan</b>	<b>12,021</b>	<b>46,270</b>	<b>1,297,103</b>	<b>8,682</b>	<b>21,153</b>	<b>145,561</b>	<b>9,086</b>	<b>16,868</b>	<b>451,232</b>
Beaver County	578	2,324	73,196	399	1,020	6,748	440	819	21,066
Brazeau County	405	1,558	24,146	281	748	4,336	336	665	14,407
Camrose County	884	3,354	106,106	639	1,540	12,272	661	1,111	29,584
Clearwater County	938	3,543	60,097	676	1,700	9,488	755	1,514	37,029
Edmonton	94	353	8,731	68	191	1,833	63	127	3,742
Flagstaff County	575	2,247	91,598	395	897	6,238	421	737	23,103
Lamont County	621	2,501	69,566	460	1,088	8,384	490	942	23,690
Leduc County	1,032	3,963	102,120	751	1,858	13,320	787	1,539	41,318
Minburn County No. 27	540	2,179	70,947	393	950	6,943	393	705	18,636
Parkland County	626	2,312	48,671	478	1,164	7,419	448	863	22,202
Provost No. 52	364	1,510	57,650	266	631	4,549	270	531	18,178
Smoky Lake County	386	1,431	41,216	260	617	4,416	301	543	15,984
St. Paul County No. 19	628	2,385	59,062	435	1,060	7,216	485	909	23,266
Strathcona County	522	1,816	38,178	424	1,012	6,901	350	614	14,287
Sturgeon County	689	2,441	72,444	509	1,205	10,044	481	822	22,472
Thorhild County No. 7	366	1,483	32,443	248	631	3,994	301	599	12,521
Two Hills County No. 21	455	1,862	54,828	330	828	4,821	349	663	18,679
Vermilion River County	954	3,586	133,087	667	1,543	11,107	698	1,185	36,162
Wainwright No. 61	474	1,944	73,738	333	841	5,999	354	607	20,589
Wetaskiwin County No. 10	890	3,478	79,277	670	1,632	9,534	703	1,373	34,318
<b>Red Deer</b>	<b>7,640</b>	<b>29,550</b>	<b>969,840</b>	<b>5,388</b>	<b>13,111</b>	<b>89,968</b>	<b>5,764</b>	<b>10,459</b>	<b>328,690</b>
Kneehill County	622	2,563	111,689	465	1,169	10,022	452	799	26,226
Lacombe County	946	3,422	108,956	669	1,612	11,286	692	1,152	35,372
Mountain View County	1,410	5,002	135,457	985	2,306	14,836	1,057	1,889	57,457
Paintearth County No. 18	368	1,537	46,434	251	621	3,560	296	570	16,580
Ponoka County	993	3,704	109,005	694	1,644	10,231	765	1,403	42,077
Red Deer County	1,326	4,903	151,643	959	2,265	15,344	983	1,703	53,931
Special Area No. 2	404	1,713	59,245	270	678	4,882	331	664	22,288
Special Area No. 3	397	1,756	62,723	263	667	4,336	304	578	18,607
Special Area No. 4	255	1,122	43,973	171	445	3,424	192	396	14,350
Starland County	286	1,310	59,301	208	552	4,411	218	428	12,861
Stettler County No. 6	633	2,517	81,413	453	1,154	7,637	474	878	28,942

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 23.1: Farm Machinery Inventory and Market Value, 2016**

	Total Tractors			Tractors Under 60 hp			Tractors 60 to 149 hp		
	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)	# Farms	# Tractors	Market Value (\$'000)
<b>South Saskatchewan</b>	<b>8,398</b>	<b>32,891</b>	<b>1,312,964</b>	<b>5,907</b>	<b>14,157</b>	<b>110,274</b>	<b>5,989</b>	<b>11,019</b>	<b>350,949</b>
Bighorn No. 8	48	127	2,732	31	66	682	30	52	1,520
Calgary	84	259	7,597	59	109	1,019	52	99	2,858
Cardston County	413	1,653	72,401	259	661	5,916	314	631	20,195
Cypress County	698	2,621	100,013	473	1,144	8,073	507	932	32,670
Foothills No. 31	967	3,150	80,680	716	1,629	12,242	654	1,132	34,284
Forty Mile County No. 8	446	2,132	120,919	326	809	6,151	316	577	17,491
Lethbridge County	802	3,410	117,691	583	1,417	11,440	592	1,164	34,465
Newell County	583	2,492	83,795	394	1,032	6,624	459	877	27,392
Pincher Creek No. 9	380	1,193	43,477	251	522	3,821	280	508	20,245
Ranchland No. 66	50	119	2,825	29	57	465	36	55	1,636
Rocky View County	992	3,476	115,613	745	1,728	13,551	664	1,143	36,578
Taber	568	2,614	155,804	361	871	7,357	410	791	24,099
Vulcan County	528	2,319	121,483	357	923	7,196	379	701	23,217
Warner County No. 5	420	1,867	78,969	298	739	6,136	300	547	15,720
Wheatland County	718	2,985	133,511	534	1,321	11,285	508	912	31,099
Willow Creek No. 26	701	2,475	75,455	491	1,131	8,317	488	898	27,480

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**Table 23.2: Farm Machinery Inventory and Market Value, 2016**

	Tractors Over 149 hp			Pick-ups, Cargo Vans, Cars and Other Passenger Vehicles		
	# Farms	# Tractors	Market Value (\$'000)	Total # Farms	Total # Vehicles	Market Value (\$'000)
<b>Alberta</b>	<b>15,982</b>	<b>28,872</b>	<b>2,604,840</b>	<b>36,421</b>	<b>92,073</b>	<b>1,475,204</b>
<b>Lower Peace</b>	<b>620</b>	<b>1,051</b>	<b>73,264</b>	<b>1,047</b>	<b>2,610</b>	<b>36,265</b>
Mackenzie County	362	557	29,808	567	1,333	15,987
Northern Lights County	186	328	27,364	345	944	15,075
Northern Sunrise County	72	167	16,092	135	333	5,204
<b>Lower Athabasca</b>	<b>302</b>	<b>X</b>	<b>X</b>	<b>798</b>	<b>1,820</b>	<b>28,495</b>
Bonnyville No. 87	228	378	21,470	580	1,321	20,618
Lac la Biche County	73	124	9,716	214	494	7,818
Wood Buffalo	1	X	X	4	5	60
<b>Upper Peace</b>	<b>1,629</b>	<b>2,926</b>	<b>226,451</b>	<b>3,016</b>	<b>7,613</b>	<b>120,761</b>
Birch Hills County	109	240	25,477	170	595	9,556
Clear Hills	187	338	20,600	364	920	13,613
Fairview No. 136	106	192	14,651	190	467	7,315
Grande Prairie County No. 1	471	769	50,767	966	2,167	35,031
Greenview No. 16	207	366	23,079	465	1,080	17,526
Peace No. 135	66	109	6,293	118	335	4,755
Saddle Hills County	211	371	26,689	353	883	13,528
Smoky River No. 130	209	409	45,447	284	876	14,703
Spirit River No. 133	63	134	13,449	106	292	4,733
<b>Upper Athabasca</b>	<b>1,485</b>	<b>X</b>	<b>X</b>	<b>3,711</b>	<b>8,372</b>	<b>129,581</b>
Athabasca County	238	404	25,109	586	1,397	21,676
Barrhead County No. 11	272	466	37,931	602	1,301	19,292
Big Lakes	122	196	11,162	279	663	11,007
Lac Ste. Anne County	221	334	18,279	723	1,644	24,950
Lesser Slave River No. 124	54	105	4,421	120	294	4,378
Westlock County	336	550	51,500	684	1,598	24,256
Woodlands County	60	96	5,208	195	394	6,015
Yellowhead County	182	X	X	522	1,083	18,007

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**Table 23.2: Farm Machinery Inventory and Market Value, 2016**

	Tractors Over 149 hp			Pick-ups, Cargo Vans, Cars and Other Passenger Vehicles		
	# Farms	# Tractors	Market Value (\$'000)	Total # Farms	Total # Vehicles	Market Value (\$'000)
<b>North Saskatchewan</b>	<b>4,962</b>	<b>8,248</b>	<b>700,309</b>	<b>11,698</b>	<b>28,251</b>	<b>439,543</b>
Beaver County	281	485	45,381	577	1,501	22,977
Brazeau County	96	145	5,403	372	786	11,555
Camrose County	441	703	64,250	897	2,168	32,941
Clearwater County	232	329	13,581	901	1,937	27,338
Edmonton	24	35	3,156	99	223	4,259
Flagstaff County	363	613	62,257	583	1,642	26,634
Lamont County	291	471	37,492	619	1,494	23,024
Leduc County	336	567	47,483	963	2,070	31,983
Minburn County No. 27	309	525	45,368	546	1,452	23,091
Parkland County	170	285	19,051	571	1,212	18,199
Provost No. 52	195	348	34,924	375	1,081	16,995
Smoky Lake County	164	271	20,816	379	960	14,819
St. Paul County No. 19	254	415	28,580	611	1,436	22,478
Strathcona County	114	190	16,989	457	948	14,054
Sturgeon County	256	413	39,928	623	1,374	21,337
Thorhild County No. 7	167	253	15,928	348	851	12,454
Two Hills County No. 21	218	372	31,328	465	1,279	19,484
Vermilion River County	485	857	85,818	979	2,463	42,695
Wainwright No. 61	271	496	47,150	470	1,398	22,594
Wetaskiwin County No. 10	295	473	35,426	863	1,978	30,631
<b>Red Deer</b>	<b>3,267</b>	<b>5,980</b>	<b>551,181</b>	<b>7,654</b>	<b>18,979</b>	<b>306,703</b>
Kneehill County	340	596	75,442	635	1,707	29,057
Lacombe County	365	658	62,299	925	1,998	31,799
Mountain View County	472	807	63,165	1,374	3,044	46,637
Paintearth County No. 18	186	347	26,294	384	1,101	15,704
Ponoka County	360	658	56,697	997	2,233	35,696
Red Deer County	517	936	82,368	1,304	3,027	49,682
Special Area No. 2	193	371	32,075	428	1,281	22,626
Special Area No. 3	261	511	39,780	412	1,274	20,262
Special Area No. 4	142	281	26,199	255	804	12,851
Starland County	157	331	42,029	290	829	14,741
Stettler County No. 6	274	485	44,835	650	1,683	27,648

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**Table 23.2: Farm Machinery Inventory and Market Value, 2016**

	Tractors Over 149 hp			Pick-ups, Cargo Vans, Cars and Other Passenger Vehicles		
	# Farms	# Tractors	Market Value (\$'000)	Total # Farms	Total # Vehicles	Market Value (\$'000)
<b>South Saskatchewan</b>	<b>3,717</b>	<b>7,715</b>	<b>851,741</b>	<b>8,497</b>	<b>24,429</b>	<b>413,856</b>
Bighorn No. 8	7	9	530	47	118	2,001
Calgary	22	51	3,720	108	194	3,510
Cardston County	154	361	46,290	428	1,357	23,680
Cypress County	292	546	59,270	710	2,005	38,567
Foothills No. 31	226	390	34,154	912	2,016	35,530
Forty Mile County No. 8	327	746	97,276	455	1,645	28,406
Lethbridge County	408	829	71,786	784	2,190	32,852
Newell County	314	583	49,779	609	1,841	30,290
Pincher Creek No. 9	105	163	19,411	403	1,042	17,909
Ranchland No. 66	7	7	725	51	112	2,018
Rocky View County	312	605	65,485	993	2,370	41,519
Taber	348	953	124,348	571	2,143	33,236
Vulcan County	329	695	91,070	555	1,896	31,714
Warner County No. 5	252	581	57,113	423	1,443	21,468
Wheatland County	372	751	91,127	739	2,152	38,165
Willow Creek No. 26	242	446	39,657	709	1,907	32,992

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Table 23.3: Farm Machinery Inventory and Market Value, 2016

	Other Farm Trucks			Grain Combines and Swathers		
	# Farms	# Trucks	Market Value (\$'000)	# Farms	# Combines	Market Value (\$'000)
<b>Alberta</b>	<b>21,207</b>	<b>46,492</b>	<b>999,998</b>	<b>19,172</b>	<b>42,100</b>	<b>2,893,741</b>
<b>Lower Peace</b>	<b>718</b>	<b>1,599</b>	<b>29,376</b>	<b>734</b>	<b>1,611</b>	<b>83,452</b>
Mackenzie County	400	812	13,001	429	861	30,895
Northern Lights County	231	544	10,948	229	531	34,662
Northern Sunrise County	87	244	5,427	76	219	17,894
<b>Lower Athabasca</b>	<b>425</b>	<b>794</b>	<b>11,640</b>	<b>420</b>	<b>X</b>	<b>X</b>
Bonnyville No. 87	316	599	8,554	288	581	17,748
Lac la Biche County	105	192	3,078	130	265	8,783
Wood Buffalo	4	4	8	2	X	X
<b>Upper Peace</b>	<b>1,905</b>	<b>4,317</b>	<b>87,445</b>	<b>1,887</b>	<b>4,298</b>	<b>293,811</b>
Birch Hills County	121	326	8,929	130	346	38,075
Clear Hills	218	480	6,525	237	521	24,055
Fairview No. 136	122	307	7,055	122	278	24,704
Grande Prairie County No. 1	568	1,150	21,219	536	1,143	60,851
Greenview No. 16	259	488	9,282	240	522	24,735
Peace No. 135	92	253	3,804	84	214	8,639
Saddle Hills County	241	498	10,156	239	535	32,672
Smoky River No. 130	220	657	15,736	226	566	63,391
Spirit River No. 133	64	158	4,740	73	174	16,690
<b>Upper Athabasca</b>	<b>2,026</b>	<b>4,144</b>	<b>71,150</b>	<b>1,975</b>	<b>X</b>	<b>X</b>
Athabasca County	325	660	10,480	352	747	28,584
Barrhead County No. 11	362	787	13,595	366	756	40,432
Big Lakes	148	325	5,643	144	316	13,440
Lac Ste. Anne County	354	629	X	325	678	16,955
Lesser Slave River No. 124	59	113	1,451	67	135	3,266
Westlock County	439	1,001	22,968	412	880	61,500
Woodlands County	81	151	X	83	169	X
Yellowhead County	258	478	6,095	226	X	X

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**Table 23.3: Farm Machinery Inventory and Market Value, 2016**

	Other Farm Trucks			Grain Combines and Swathers		
	# Farms	# Trucks	Market Value (\$'000)	# Farms	# Combines	Market Value (\$'000)
<b>North Saskatchewan</b>	<b>6,957</b>	<b>14,533</b>	<b>295,848</b>	<b>6,383</b>	<b>13,705</b>	<b>907,519</b>
Beaver County	387	899	18,101	342	821	64,419
Brazeau County	157	260	2,510	147	295	2,030
Camrose County	559	1,159	24,068	533	1,132	95,059
Clearwater County	399	628	6,532	311	603	8,031
Edmonton	42	98	2,544	32	59	3,945
Flagstaff County	418	926	26,242	418	995	105,098
Lamont County	431	994	18,557	401	938	56,156
Leduc County	526	1,067	20,775	509	1,016	52,141
Minburn County No. 27	402	937	21,713	389	887	77,142
Parkland County	289	578	9,692	244	459	16,157
Provost No. 52	255	548	13,626	228	533	35,443
Smoky Lake County	244	484	9,444	222	446	26,847
St. Paul County No. 19	366	726	13,631	351	698	29,355
Strathcona County	233	442	8,478	145	274	18,594
Sturgeon County	355	823	17,064	318	682	51,901
Thorhild County No. 7	224	474	8,468	228	488	23,973
Two Hills County No. 21	288	653	14,861	313	682	47,113
Vermilion River County	608	1,245	27,097	555	1,243	100,745
Wainwright No. 61	324	758	18,232	287	639	55,136
Wetaskiwin County No. 10	450	837	14,213	410	817	38,234
<b>Red Deer</b>	<b>4,292</b>	<b>8,952</b>	<b>192,497</b>	<b>3,813</b>	<b>8,393</b>	<b>570,788</b>
Kneehill County	403	997	30,000	370	928	97,046
Lacombe County	488	1,030	20,655	409	831	57,377
Mountain View County	706	1,282	23,168	552	1,203	68,974
Paintearth County No. 18	248	496	9,537	238	506	27,225
Ponoka County	496	934	18,288	421	884	43,489
Red Deer County	701	1,348	26,588	589	1,245	82,513
Special Area No. 2	241	545	9,750	262	535	28,538
Special Area No. 3	295	697	16,161	306	705	39,266
Special Area No. 4	165	389	9,762	179	367	26,163
Starland County	191	507	13,467	190	509	55,089
Stettler County No. 6	358	728	15,122	297	680	45,109

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**Table 23.3: Farm Machinery Inventory and Market Value, 2016**

	Other Farm Trucks			Grain Combines and Swathers		
	# Farms	# Trucks	Market Value (\$'000)	# Farms	# Combines	Market Value (\$'000)
<b>South Saskatchewan</b>	<b>4,884</b>	<b>12,153</b>	<b>312,041</b>	<b>3,960</b>	<b>9,131</b>	<b>833,356</b>
Bighorn No. 8	20	39	803	2	X	X
Calgary	48	85	2,492	32	80	6,082
Cardston County	216	543	11,762	175	513	53,711
Cypress County	369	817	21,510	299	608	45,750
Foothills No. 31	455	830	15,629	246	522	33,294
Forty Mile County No. 8	344	1,100	27,515	334	769	88,071
Lethbridge County	513	1,373	37,506	428	891	59,018
Newell County	365	803	17,232	350	730	46,685
Pincher Creek No. 9	168	312	6,575	112	248	16,048
Ranchland No. 66	22	28	341	4	X	X
Rocky View County	455	937	21,660	337	754	67,008
Taber	399	1,370	46,551	388	914	91,667
Vulcan County	386	1,091	29,441	370	952	113,679
Warner County No. 5	296	822	20,320	271	718	66,843
Wheatland County	468	1,226	34,984	372	892	103,264
Willow Creek No. 26	360	780	17,723	240	531	42,199

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**Table 23.4: Farm Machinery Inventory and Market Value, 2016**

	Forage Harvesters, Balers, Mower-Conditioners, etc			Tillage, Cultivation, Seeding and Planting Equipment		Irrigation Equipment		All Other Farm Machinery and Equipment	
	# Farms	# Harvesters	Market Value (\$'000)	# Farms	Market Value (\$'000)	# Farms	Market Value (\$'000)	# Farms	Market Value (\$'000)
<b>Alberta</b>	<b>19,894</b>	<b>44,617</b>	<b>671,280</b>	<b>23,772</b>	<b>1,678,021</b>	<b>3,490</b>	<b>635,383</b>	<b>25,055</b>	<b>1,743,531</b>
<b>Lower Peace</b>	<b>466</b>	<b>977</b>	<b>X</b>	<b>838</b>	<b>56,423</b>	<b>16</b>	<b>X</b>	<b>716</b>	<b>51,926</b>
Mackenzie County	229	435	4,006	455	21,562	10	242	381	19,274
Northern Lights County	187	419	5,095	286	22,478	5	14	234	19,535
Northern Sunrise County	50	124	X	97	12,383	1	X	101	13,117
<b>Lower Athabasca</b>	<b>566</b>	<b>1,269</b>	<b>16,976</b>	<b>560</b>	<b>X</b>	<b>22</b>	<b>307</b>	<b>506</b>	<b>19,362</b>
Bonnyville No. 87	404	915	12,016	396	13,353	12	155	357	14,244
Lac la Biche County	158	350	4,863	162	6,412	10	153	145	5,074
Wood Buffalo	4	5	97	2	X	0	0	4	44
<b>Upper Peace</b>	<b>1,562</b>	<b>3,397</b>	<b>43,804</b>	<b>2,305</b>	<b>191,506</b>	<b>64</b>	<b>1,743</b>	<b>2,101</b>	<b>159,875</b>
Birch Hills County	70	146	X	135	24,250	3	X	126	18,541
Clear Hills	220	452	X	294	17,200	3	X	239	12,915
Fairview No. 136	75	146	1,411	137	14,565	5	64	136	11,905
Grande Prairie County No. 1	538	1,167	16,901	715	40,003	26	712	672	34,431
Greenview No. 16	304	720	9,097	354	19,951	12	62	316	15,199
Peace No. 135	64	153	1,372	91	5,331	5	465	87	7,584
Saddle Hills County	191	433	X	277	22,468	3	X	229	17,702
Smoky River No. 130	55	103	1,316	226	38,213	6	22	219	32,035
Spirit River No. 133	45	78	X	76	9,525	1	X	77	9,562
<b>Upper Athabasca</b>	<b>2,388</b>	<b>5,727</b>	<b>66,243</b>	<b>2,671</b>	<b>X</b>	<b>57</b>	<b>1,083</b>	<b>2,557</b>	<b>112,903</b>
Athabasca County	401	947	11,192	462	19,356	6	37	400	18,098
Barrhead County No. 11	366	883	11,212	438	24,208	8	275	429	21,240
Big Lakes	184	416	5,653	192	8,386	7	43	181	8,788
Lac Ste. Anne County	468	1,131	13,071	462	13,143	9	X	472	13,247
Lesser Slave River No. 124	96	244	X	98	2,462	4	X	79	2,942
Westlock County	354	790	9,528	488	37,554	9	70	491	35,879
Woodlands County	137	335	X	138	X	2	X	140	3,339
Yellowhead County	382	983	9,769	393	10,763	12	354	365	9,370

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 23.4: Farm Machinery Inventory and Market Value, 2016**

	Forage Harvesters, Balers, Mower-Conditioners, etc			Tillage, Cultivation, Seeding and Planting Equipment		Irrigation Equipment		All Other Farm Machinery and Equipment	
	# Farms	# Harvesters	Market Value	# Farms	Market Value	# Farms	Market Value	# Farms	Market Value
			(\$'000)		(\$'000)		(\$'000)		(\$'000)
<b>North Saskatchewan</b>	<b>6,559</b>	<b>14,684</b>	<b>187,607</b>	<b>7,804</b>	<b>490,437</b>	<b>266</b>	<b>9,179</b>	<b>8,205</b>	<b>516,784</b>
Beaver County	325	728	8,738	380	30,915	7	359	425	34,172
Brazeau County	267	711	5,772	257	3,956	6	484	226	4,251
Camrose County	428	913	10,422	567	42,779	18	74	631	45,844
Clearwater County	608	1,596	13,927	563	9,350	11	74	585	10,871
Edmonton	38	77	811	62	3,019	10	209	72	5,604
Flagstaff County	266	536	8,397	413	47,892	13	1,023	409	43,590
Lamont County	332	693	8,332	438	28,281	14	158	444	29,953
Leduc County	558	1,364	19,077	664	31,864	26	367	683	34,050
Minburn County No. 27	263	499	7,647	380	33,275	10	777	416	36,999
Parkland County	357	846	10,968	391	11,914	25	913	406	18,456
Provost No. 52	227	509	X	249	19,230	6	X	244	17,189
Smoky Lake County	224	478	7,544	255	16,592	10	180	252	14,468
St. Paul County No. 19	396	771	11,780	409	18,946	11	94	411	23,723
Strathcona County	229	565	6,088	246	11,637	24	947	338	15,296
Sturgeon County	279	642	7,515	438	27,928	28	1,152	454	25,583
Thorhild County No. 7	220	473	X	275	18,682	4	X	256	13,331
Two Hills County No. 21	265	509	6,873	316	25,668	5	102	320	23,516
Vermilion River County	504	971	14,989	611	56,040	9	693	689	59,988
Wainwright No. 61	253	509	X	308	28,844	4	X	340	32,988
Wetaskiwin County No. 10	520	1,297	15,405	582	23,625	25	666	604	26,912
<b>Red Deer</b>	<b>4,190</b>	<b>9,303</b>	<b>X</b>	<b>4,683</b>	<b>307,787</b>	<b>228</b>	<b>X</b>	<b>5,136</b>	<b>341,294</b>
Kneehill County	263	564	8,920	363	50,036	35	2,841	443	49,695
Lacombe County	472	1,027	16,615	565	32,460	16	1,274	629	40,870
Mountain View County	754	1,865	29,009	816	35,519	27	477	894	40,669
Paintearth County No. 18	243	476	7,531	243	16,179	9	2,070	251	17,367
Ponoka County	557	1,304	18,266	631	26,359	13	408	649	34,068
Red Deer County	718	1,640	24,561	793	43,730	25	704	900	45,351
Special Area No. 2	262	540	10,106	247	15,972	47	11,408	278	18,357
Special Area No. 3	216	428	10,963	296	21,553	19	5,946	296	24,646
Special Area No. 4	176	324	6,726	170	14,172	4	140	177	16,817
Starland County	147	326	6,032	188	25,279	23	3,082	206	25,899
Stettler County No. 6	382	811	X	371	26,527	10	X	413	27,557

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 23.4: Farm Machinery Inventory and Market Value, 2016**

	Forage Harvesters, Balers, Mower-Conditioners, etc			Tillage, Cultivation, Seeding and Planting Equipment		Irrigation Equipment		All Other Farm Machinery and Equipment	
	# Farms	# Harvesters	Market Value (\$'000)	# Farms	Market Value (\$'000)	# Farms	Market Value (\$'000)	# Farms	Market Value (\$'000)
<b>South Saskatchewan</b>	<b>4,163</b>	<b>9,260</b>	<b>193,115</b>	<b>4,911</b>	<b>492,950</b>	<b>2,837</b>	<b>592,208</b>	<b>5,834</b>	<b>541,387</b>
Bighorn No. 8	13	37	415	19	X	1	X	20	966
Calgary	31	73	855	47	2,834	10	40	74	1,928
Cardston County	245	549	11,738	228	25,376	162	28,907	264	23,631
Cypress County	408	905	18,695	365	27,676	236	33,752	448	37,932
Foothills No. 31	430	995	14,874	417	17,755	48	1,690	623	27,341
Forty Mile County No. 8	187	395	6,701	347	53,631	152	52,729	344	52,504
Lethbridge County	366	779	26,615	556	44,722	598	98,427	591	54,606
Newell County	368	760	15,917	413	28,138	454	95,595	434	36,551
Pincher Creek No. 9	224	475	8,628	171	10,235	32	4,584	253	11,292
Ranchland No. 66	24	55	475	13	X	2	X	40	702
Rocky View County	468	1,125	19,562	489	34,424	72	5,189	672	37,585
Taber	311	646	15,377	447	68,109	426	138,813	430	70,865
Vulcan County	239	522	11,890	375	60,885	136	56,085	386	62,346
Warner County No. 5	217	467	9,979	286	39,353	144	21,598	293	32,039
Wheatland County	297	675	13,166	435	56,372	237	33,015	504	60,866
Willow Creek No. 26	335	803	18,230	303	23,138	127	21,709	458	30,233

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Table 24.1: Farm Capital, 2016

	Land and Buildings											
	Total Farm Capital		Total		Owned		Rented		Livestock and Poultry		Total Value of Farm	
	Market Value		Market Value		Market Value		Market Value		Market Value		Machinery and Equipment	
	# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms	(\$ '000)
<b>Alberta</b>	<b>40,638</b>	<b>143,927,544</b>	<b>40,638</b>	<b>118,286,315</b>	<b>38,734</b>	<b>81,864,098</b>	<b>20,525</b>	<b>36,422,218</b>	<b>27,331</b>	<b>11,036,482</b>	<b>40,638</b>	<b>14,604,747</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>2,607,551</b>	<b>1,134</b>	<b>2,110,052</b>	<b>1,105</b>	<b>1,558,680</b>	<b>534</b>	<b>551,372</b>	<b>634</b>	<b>111,750</b>	<b>1,134</b>	<b>385,748</b>
Mackenzie County	610	1,117,019	610	923,799	595	756,928	261	166,872	362	34,384	610	158,836
Northern Lights County	375	900,149	375	690,072	370	501,500	189	188,572	208	61,337	375	148,740
Northern Sunrise County	149	590,383	149	496,181	140	300,252	84	195,929	64	16,029	149	78,173
<b>Lower Athabasca</b>	<b>894</b>	<b>1,770,612</b>	<b>894</b>	<b>1,393,240</b>	<b>869</b>	<b>X</b>	<b>518</b>	<b>X</b>	<b>683</b>	<b>X</b>	<b>894</b>	<b>X</b>
Bonnyville No. 87	650	1,259,819	650	989,244	633	735,265	354	253,979	509	132,832	650	137,743
Lac la Biche County	238	496,654	238	390,331	231	268,813	163	121,518	173	46,360	238	59,963
Wood Buffalo	6	14,138	6	13,665	5	X	1	X	1	X	6	X
<b>Upper Peace</b>	<b>3,347</b>	<b>9,378,196</b>	<b>3,347</b>	<b>7,618,184</b>	<b>3,240</b>	<b>5,389,952</b>	<b>1,777</b>	<b>2,228,232</b>	<b>1,907</b>	<b>491,513</b>	<b>3,347</b>	<b>1,268,500</b>
Birch Hills County	182	881,437	182	710,962	174	543,199	115	167,764	81	32,975	182	137,500
Clear Hills	390	718,071	390	537,477	379	399,811	201	137,666	257	63,700	390	116,895
Fairview No. 136	202	721,310	202	610,687	198	374,163	116	236,524	90	19,420	202	91,203
Grande Prairie County No. 1	1,113	2,732,137	1,113	2,262,097	1,080	1,608,087	541	654,010	711	162,368	1,113	307,673
Greenview No. 16	534	1,087,750	534	852,248	518	652,555	261	199,693	374	93,608	534	141,894
Peace No. 135	129	347,887	129	286,504	122	184,154	84	102,350	73	18,186	129	43,198
Saddle Hills County	381	911,757	381	709,806	372	477,147	208	232,659	196	58,596	381	143,355
Smoky River No. 130	306	1,605,606	306	1,349,123	294	971,123	184	378,000	70	34,178	306	222,305
Spirit River No. 133	110	372,241	110	299,280	103	179,714	67	119,566	55	8,483	110	64,479
<b>Upper Athabasca</b>	<b>4,143</b>	<b>9,062,023</b>	<b>4,143</b>	<b>7,211,664</b>	<b>4,029</b>	<b>X</b>	<b>2,044</b>	<b>X</b>	<b>2,935</b>	<b>X</b>	<b>4,143</b>	<b>X</b>
Athabasca County	650	1,369,078	650	1,091,618	641	831,874	336	259,744	432	110,083	650	167,377
Barrhead County No. 11	681	1,821,641	681	1,457,815	666	1,137,709	316	320,106	463	164,187	681	199,639
Big Lakes	306	537,160	306	397,188	295	266,543	172	130,645	215	61,423	306	78,550
Lac Ste. Anne County	794	1,312,809	794	1,020,120	782	768,151	363	251,968	627	144,366	794	148,323
Lesser Slave River No. 124	131	203,518	131	153,413	130	116,935	69	36,478	97	23,284	131	26,820
Westlock County	744	2,524,239	744	2,096,023	710	1,574,216	374	521,807	454	151,289	744	276,927
Woodlands County	226	361,904	226	284,349	217	209,354	121	74,995	172	39,456	226	38,099
Yellowhead County	611	931,674	611	711,138	588	X	293	X	475	X	611	X

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Table 24.1: Farm Capital, 2016

	Total Farm Capital		Land and Buildings						Livestock and Poultry		Total Value of Farm	
	Market Value		Total		Owned		Rented		Market Value		Machinery and Equipment	
	(\$ '000)		Market Value		Market Value		Market Value		(\$ '000)		Market Value	
	# Farms		# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms	(\$ '000)	# Farms		# Farms	(\$ '000)
<b>North Saskatchewan</b>	<b>13,097</b>	<b>38,986,127</b>	<b>13,097</b>	<b>32,463,809</b>	<b>12,582</b>	<b>21,634,896</b>	<b>6,510</b>	<b>10,828,914</b>	<b>8,573</b>	<b>2,378,299</b>	<b>13,097</b>	<b>4,144,019</b>
Beaver County	631	1,961,501	631	1,607,577	607	1,116,282	338	491,295	408	101,047	631	252,877
Brazeau County	426	715,563	426	602,139	421	476,407	160	125,732	336	58,719	426	54,705
Camrose County	962	3,273,985	962	2,780,869	916	1,945,454	492	835,415	577	135,823	962	357,293
Clearwater County	1,013	1,654,654	1,013	1,368,405	974	1,006,350	469	362,055	815	150,029	1,013	136,220
Edmonton	133	405,062	133	368,241	112	203,023	59	165,219	62	7,698	133	29,122
Flagstaff County	638	3,021,819	638	2,545,371	608	1,736,032	369	809,339	342	125,974	638	350,474
Lamont County	689	2,044,942	689	1,715,809	671	1,120,805	324	595,004	350	95,106	689	234,026
Leduc County	1,088	3,182,562	1,088	2,762,693	1,061	1,808,741	475	953,952	705	127,492	1,088	292,377
Minburn County No. 27	594	2,335,535	594	1,906,753	574	1,231,040	319	675,712	337	157,191	594	271,591
Parkland County	679	1,658,500	679	1,417,351	657	870,655	302	546,697	507	106,177	679	134,971
Provost No. 52	410	1,437,728	410	1,078,289	388	730,214	265	348,075	287	189,240	410	170,200
Smoky Lake County	419	961,649	419	746,705	406	536,856	219	209,849	281	83,835	419	131,109
St. Paul County No. 19	680	1,528,389	680	1,183,825	653	898,337	362	285,488	471	165,495	680	179,069
Strathcona County	579	1,555,654	579	1,403,647	559	832,525	216	571,123	366	38,735	579	113,272
Sturgeon County	730	2,563,793	730	2,257,760	701	1,306,504	345	951,257	391	81,109	730	224,924
Thorhild County No. 7	382	855,435	382	698,165	370	509,380	190	188,786	228	43,166	382	114,104
Two Hills County No. 21	503	1,475,203	503	1,205,468	483	829,849	251	375,619	321	77,290	503	192,444
Vermilion River County	1,052	3,812,106	1,052	3,093,577	1,003	2,032,742	604	1,060,835	716	283,193	1,052	435,335
Wainwright No. 61	535	2,039,585	535	1,610,683	494	1,073,241	335	537,442	369	187,958	535	240,943
Wetaskiwin County No. 10	954	2,502,463	954	2,110,480	924	1,370,459	416	740,021	704	163,020	954	228,963
<b>Red Deer</b>	<b>8,439</b>	<b>29,404,528</b>	<b>8,439</b>	<b>24,128,292</b>	<b>8,004</b>	<b>16,399,357</b>	<b>4,263</b>	<b>7,728,935</b>	<b>6,080</b>	<b>2,404,506</b>	<b>8,439</b>	<b>2,871,730</b>
Kneehill County	700	3,472,317	700	2,828,362	656	1,823,839	388	1,004,523	403	264,671	700	379,284
Lacombe County	1,034	3,513,490	1,034	2,983,843	974	2,071,199	454	912,644	707	219,641	1,034	310,006
Mountain View County	1,542	4,246,409	1,542	3,637,148	1,468	2,370,814	668	1,266,334	1,150	229,351	1,542	379,910
Paintearth County No. 18	402	1,173,653	402	882,161	389	643,822	220	238,339	326	149,446	402	142,046
Ponoka County	1,097	3,350,049	1,097	2,788,037	1,049	2,024,070	483	763,967	847	276,434	1,097	285,578
Red Deer County	1,460	4,837,561	1,460	4,119,285	1,390	2,678,533	670	1,440,753	1,042	293,503	1,460	424,773
Special Area No. 2	460	1,883,116	460	1,424,804	420	1,007,055	314	417,749	380	282,310	460	176,002
Special Area No. 3	448	1,659,468	448	1,313,095	429	869,320	316	443,775	255	144,855	448	201,519
Special Area No. 4	284	1,187,126	284	864,941	268	654,133	207	210,808	232	191,581	284	130,604
Starland County	309	1,805,253	309	1,507,411	301	1,042,654	178	464,757	186	94,951	309	202,891
Stettler County No. 6	703	2,276,087	703	1,779,206	660	1,213,919	365	565,287	552	257,762	703	239,119

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**Table 24.1: Farm Capital, 2016**

	Total Farm Capital		Land and Buildings						Livestock and Poultry		Total Value of Farm	
	Market Value		Total		Owned		Rented		Market Value		Machinery and Equipment	
	(\$ '000)		(\$ '000)		(\$ '000)		(\$ '000)		(\$ '000)		(\$ '000)	
	# Farms		# Farms		# Farms		# Farms		# Farms		# Farms	
<b>South Saskatchewan</b>	<b>9,584</b>	<b>52,718,507</b>	<b>9,584</b>	<b>43,361,074</b>	<b>8,905</b>	<b>30,383,222</b>	<b>4,879</b>	<b>12,977,852</b>	<b>6,519</b>	<b>4,665,556</b>	<b>9,584</b>	<b>4,691,878</b>
Bighorn No. 8	54	222,957	54	199,794	49	139,214	32	60,580	48	16,025	54	7,137
Calgary	145	641,999	145	595,977	115	318,567	72	277,410	87	20,684	145	25,337
Cardston County	475	2,617,989	475	2,116,491	444	1,528,824	258	587,667	377	250,292	475	251,206
Cypress County	805	3,176,869	805	2,522,540	751	1,803,130	451	719,410	596	330,436	805	323,893
Foothills No. 31	1,083	3,967,117	1,083	3,498,829	1,025	2,547,607	451	951,223	809	241,494	1,083	226,793
Forty Mile County No. 8	498	3,722,135	498	3,156,975	462	2,214,721	325	942,255	246	134,684	498	430,475
Lethbridge County	906	5,163,606	906	3,601,625	828	2,825,036	378	776,589	549	1,090,544	906	471,437
Newell County	668	4,115,320	668	3,317,571	617	1,812,457	344	1,505,114	508	443,544	668	354,204
Pincher Creek No. 9	439	1,776,748	439	1,473,551	417	994,301	229	479,250	379	184,450	439	118,748
Ranchland No. 66	68	441,715	68	396,722	47	242,305	46	154,417	51	38,441	68	6,553
Rocky View County	1,135	5,701,257	1,135	5,095,480	1,080	3,525,431	488	1,570,049	802	263,217	1,135	342,560
Taber	633	5,007,510	633	3,997,509	580	2,996,667	365	1,000,841	348	389,579	633	620,423
Vulcan County	608	4,633,536	608	3,768,540	560	2,572,814	362	1,195,725	335	377,474	608	487,523
Warner County No. 5	462	3,456,825	462	2,977,255	434	2,257,795	271	719,461	289	189,001	462	290,568
Wheatland County	810	4,587,877	810	3,816,533	758	2,616,962	391	1,199,571	454	298,002	810	473,342
Willow Creek No. 26	795	3,485,048	795	2,825,681	738	1,987,391	416	838,290	641	397,689	795	261,678

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Table 25.1: Farms Classified by Total Farm Capital, 2016

	Total # Farms	Under \$100,000	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$499,999	\$500,000- \$999,999	\$1,000,000- \$1,499,999	\$1,500,000- \$1,999,999	\$2,000,000- \$3,499,999	\$3,500,000 and Over
<b>Alberta</b>	<b>40,638</b>	<b>417</b>	<b>718</b>	<b>1,780</b>	<b>2,605</b>	<b>9,461</b>	<b>5,567</b>	<b>3,720</b>	<b>5,981</b>	<b>10,389</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>6</b>	<b>23</b>	<b>66</b>	<b>94</b>	<b>336</b>	<b>166</b>	<b>111</b>	<b>154</b>	<b>178</b>
Mackenzie County	610	3	10	24	48	195	101	71	88	70
Northern Lights County	375	2	11	31	33	112	52	26	46	62
Northern Sunrise County	149	1	2	11	13	29	13	14	20	46
<b>Lower Athabasca</b>	<b>894</b>	<b>7</b>	<b>14</b>	<b>49</b>	<b>63</b>	<b>247</b>	<b>168</b>	<b>92</b>	<b>135</b>	<b>119</b>
Bonnyville No. 87	650	5	11	36	40	181	134	64	92	87
Lac la Biche County	238	2	3	13	22	63	33	28	43	31
Wood Buffalo	6	0	0	0	1	3	1	0	0	1
<b>Upper Peace</b>	<b>3,347</b>	<b>27</b>	<b>79</b>	<b>209</b>	<b>258</b>	<b>859</b>	<b>456</b>	<b>303</b>	<b>456</b>	<b>700</b>
Birch Hills County	182	2	3	7	5	23	24	18	34	66
Clear Hills	390	4	17	37	47	115	50	31	47	42
Fairview No. 136	202	3	4	14	7	44	21	21	30	58
Grande Prairie County No. 1	1,113	9	21	54	87	312	172	95	168	195
Greenview No. 16	534	4	16	36	59	166	75	53	63	62
Peace No. 135	129	1	1	11	5	31	13	15	23	29
Saddle Hills County	381	1	5	31	35	98	67	37	39	68
Smoky River No. 130	306	2	9	13	8	48	15	20	42	149
Spirit River No. 133	110	1	3	6	5	22	19	13	10	31
<b>Upper Athabasca</b>	<b>4,143</b>	<b>40</b>	<b>101</b>	<b>258</b>	<b>440</b>	<b>1,163</b>	<b>580</b>	<b>390</b>	<b>531</b>	<b>640</b>
Athabasca County	650	6	16	37	71	183	89	75	79	94
Barrhead County No. 11	681	8	18	37	48	175	88	55	102	150
Big Lakes	306	2	12	12	54	67	42	41	43	33
Lac Ste. Anne County	794	7	21	62	86	254	112	78	96	78
Lesser Slave River No. 124	131	2	6	15	12	31	27	12	15	11
Westlock County	744	6	9	38	58	160	99	69	106	199
Woodlands County	226	2	3	13	31	76	33	20	22	26
Yellowhead County	611	7	16	44	80	217	90	40	68	49

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 25.1: Farms Classified by Total Farm Capital, 2016**

	<b>Total # Farms</b>	<b>Under \$100,000</b>	<b>\$100,000- \$199,999</b>	<b>\$200,000- \$349,999</b>	<b>\$350,000- \$499,999</b>	<b>\$500,000- \$999,999</b>	<b>\$1,000,000- \$1,499,999</b>	<b>\$1,500,000- \$1,999,999</b>	<b>\$2,000,000- \$3,499,999</b>	<b>\$3,500,000 and Over</b>
<b>North Saskatchewan</b>	<b>13,097</b>	<b>136</b>	<b>250</b>	<b>627</b>	<b>861</b>	<b>3,340</b>	<b>1,887</b>	<b>1,198</b>	<b>1,861</b>	<b>2,937</b>
Beaver County	631	8	14	26	42	150	80	61	95	155
Brazeau County	426	3	7	26	45	144	92	44	33	32
Camrose County	962	7	17	49	66	211	120	76	135	281
Clearwater County	1,013	12	12	48	83	341	192	90	142	93
Edmonton	133	11	7	10	13	22	20	10	17	23
Flagstaff County	638	5	13	29	23	92	68	45	98	265
Lamont County	689	9	19	34	68	168	105	45	90	151
Leduc County	1,088	8	11	36	47	305	177	109	164	231
Minburn County No. 27	594	4	12	32	22	119	78	57	90	180
Parkland County	679	8	13	23	51	203	109	76	76	120
Provost No. 52	410	5	13	19	17	66	47	48	81	114
Smoky Lake County	419	7	10	33	33	118	61	33	47	77
St. Paul County No. 19	680	6	17	44	42	189	114	65	88	115
Strathcona County	579	6	12	23	36	216	84	52	59	91
Sturgeon County	730	10	16	26	40	197	102	57	106	176
Thorhild County No. 7	382	5	8	32	46	89	54	38	61	49
Two Hills County No. 21	503	2	12	31	39	129	63	45	71	111
Vermilion River County	1,052	11	20	52	50	200	123	90	172	334
Wainwright No. 61	535	3	4	18	28	100	54	69	101	158
Wetaskiwin County No. 10	954	6	13	36	70	281	144	88	135	181
<b>Red Deer</b>	<b>8,439</b>	<b>76</b>	<b>115</b>	<b>286</b>	<b>458</b>	<b>1,849</b>	<b>1,134</b>	<b>800</b>	<b>1,380</b>	<b>2,341</b>
Kneehill County	700	8	5	16	32	127	78	51	105	278
Lacombe County	1,034	11	10	29	45	230	161	90	179	279
Mountain View County	1,542	16	17	33	76	410	255	161	225	349
Paintearth County No. 18	402	0	12	37	20	81	47	29	80	96
Ponoka County	1,097	7	14	47	73	282	146	105	172	251
Red Deer County	1,460	14	17	42	79	358	188	148	233	381
Special Area No. 2	460	3	8	16	25	64	58	41	83	162
Special Area No. 3	448	7	10	22	25	63	50	51	81	139
Special Area No. 4	284	2	6	16	11	39	33	36	47	94
Starland County	309	3	1	12	16	42	22	25	54	134
Stettler County No. 6	703	5	15	16	56	153	96	63	121	178

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 25.1: Farms Classified by Total Farm Capital, 2016**

	<b>Total # Farms</b>	<b>Under \$100,000</b>	<b>\$100,000- \$199,999</b>	<b>\$200,000- \$349,999</b>	<b>\$350,000- \$499,999</b>	<b>\$500,000- \$999,999</b>	<b>\$1,000,000- \$1,499,999</b>	<b>\$1,500,000- \$1,999,999</b>	<b>\$2,000,000- \$3,499,999</b>	<b>\$3,500,000 and Over</b>
<b>South Saskatchewan</b>	<b>9,584</b>	<b>125</b>	<b>136</b>	<b>285</b>	<b>431</b>	<b>1,667</b>	<b>1,176</b>	<b>826</b>	<b>1,464</b>	<b>3,474</b>
Bighorn No. 8	54	2	0	0	4	10	4	4	12	18
Calgary	145	18	9	9	11	30	15	5	13	35
Cardston County	475	5	11	26	27	101	49	45	71	140
Cypress County	805	7	18	29	56	157	88	67	127	256
Foothills No. 31	1,083	10	16	20	29	207	184	116	203	298
Forty Mile County No. 8	498	6	9	17	27	49	38	31	72	249
Lethbridge County	906	16	9	29	36	144	119	78	136	339
Newell County	668	6	3	17	36	98	67	62	119	260
Pincher Creek No. 9	439	3	5	10	28	109	52	40	64	128
Ranchland No. 66	68	1	1	3	3	17	7	8	9	19
Rocky View County	1,135	20	19	20	29	201	176	106	212	352
Taber	633	5	9	15	21	89	77	45	81	291
Vulcan County	608	7	7	22	26	75	54	55	67	295
Warner County No. 5	462	8	3	25	24	67	40	27	60	208
Wheatland County	810	5	9	25	32	142	104	63	106	324
Willow Creek No. 26	795	6	8	18	42	171	102	74	112	262

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

X - Confidential. 0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 26.1: Farm Business Operating Expenses, 2015**

	Total Expenses	
	# Farms	\$'000
<b>Alberta</b>	<b>40,638</b>	<b>14,968,956</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>224,040</b>
Mackenzie County	610	80,447
Northern Lights County	375	90,435
Northern Sunrise County	149	53,157
<b>Lower Athabasca</b>	<b>894</b>	<b>112,653</b>
Bonnyville No. 87	650	85,957
Lac la Biche County	238	26,474
Wood Buffalo	6	222
<b>Upper Peace</b>	<b>3,347</b>	<b>854,523</b>
Birch Hills County	182	100,257
Clear Hills	390	65,925
Fairview No. 136	202	63,767
Grande Prairie County No. 1	1,113	197,693
Greenview No. 16	534	87,116
Peace No. 135	129	29,853
Saddle Hills County	381	98,320
Smoky River No. 130	306	176,269
Spirit River No. 133	110	35,323
<b>Upper Athabasca</b>	<b>4,143</b>	<b>918,747</b>
Athabasca County	650	99,534
Barrhead County No. 11	681	219,491
Big Lakes	306	47,074
Lac Ste. Anne County	794	82,871
Lesser Slave River No. 124	131	13,251
Westlock County	744	265,771
Woodlands County	226	24,973
Yellowhead County	611	165,781

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 26.1: Farm Business Operating Expenses, 2015**

	Total Expenses	
	# Farms	\$'000
<b>North Saskatchewan</b>	<b>13,097</b>	<b>3,120,125</b>
Beaver County	631	163,819
Brazeau County	426	29,700
Camrose County	962	263,547
Clearwater County	1,013	77,343
Edmonton	133	149,820
Flagstaff County	638	227,936
Lamont County	689	148,449
Leduc County	1,088	161,566
Minburn County No. 27	594	232,795
Parkland County	679	100,538
Provost No. 52	410	142,056
Smoky Lake County	419	77,949
St. Paul County No. 19	680	135,625
Strathcona County	579	106,401
Sturgeon County	730	191,445
Thorhild County No. 7	382	59,813
Two Hills County No. 21	503	113,300
Vermilion River County	1,052	326,352
Wainwright No. 61	535	223,391
Wetaskiwin County No. 10	954	188,278
<b>Red Deer</b>	<b>8,439</b>	<b>2,570,722</b>
Kneehill County	700	391,519
Lacombe County	1,034	297,027
Mountain View County	1,542	249,852
Paintearth County No. 18	402	128,415
Ponoka County	1,097	294,928
Red Deer County	1,460	332,933
Special Area No. 2	460	210,024
Special Area No. 3	448	149,569
Special Area No. 4	284	139,181
Starland County	309	139,578
Stettler County No. 6	703	237,697

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 26.1: Farm Business Operating Expenses, 2015**

	Total Expenses	
	# Farms	\$'000
<b>South Saskatchewan</b>	<b>9,584</b>	<b>7,168,147</b>
Bighorn No. 8	54	5,684
Calgary	145	17,464
Cardston County	475	257,473
Cypress County	805	377,606
Foothills No. 31	1,083	527,550
Forty Mile County No. 8	498	327,596
Lethbridge County	906	1,909,886
Newell County	668	443,081
Pincher Creek No. 9	439	115,505
Ranchland No. 66	68	12,138
Rocky View County	1,135	323,715
Taber	633	877,928
Vulcan County	608	731,400
Warner County No. 5	462	296,553
Wheatland County	810	611,156
Willow Creek No. 26	795	333,413

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.



**Table 27.1: Farms Classified by Total Gross Farm Receipts, 2015**

	<b>Total # Farms</b>	<b>Total Gross Farm Receipts (\$'000)</b>	<b>Under \$10,000</b>	<b>\$10,000- \$24,999</b>	<b>\$25,000- \$49,999</b>	<b>\$50,000- \$99,999</b>	<b>\$100,000- \$249,999</b>	<b>\$250,000- \$499,999</b>	<b>\$500,000- \$999,999</b>	<b>\$1,000,000- \$1,999,999</b>	<b>\$2,000,000 and Over</b>
<b>Alberta</b>	<b>40,638</b>	<b>17,729,972</b>	<b>5,779</b>	<b>6,009</b>	<b>5,165</b>	<b>5,516</b>	<b>7,065</b>	<b>4,503</b>	<b>3,356</b>	<b>1,909</b>	<b>1,336</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>272,571</b>	<b>141</b>	<b>175</b>	<b>171</b>	<b>173</b>	<b>221</b>	<b>133</b>	<b>64</b>	<b>33</b>	<b>23</b>
Mackenzie County	610	97,739	60	91	90	124	131	79	22	8	5
Northern Lights County	375	108,561	59	66	65	36	62	36	27	13	11
Northern Sunrise County	149	66,271	22	18	16	13	28	18	15	12	7
<b>Lower Athabasca</b>	<b>894</b>	<b>134,501</b>	<b>175</b>	<b>172</b>	<b>125</b>	<b>129</b>	<b>164</b>	<b>75</b>	<b>31</b>	<b>16</b>	<b>7</b>
Bonnyville No. 87	650	102,415	125	133	88	94	116	52	24	11	7
Lac la Biche County	238	31,803	50	38	34	34	47	23	7	5	0
Wood Buffalo	6	283	0	1	3	1	1	0	0	0	0
<b>Upper Peace</b>	<b>3,347</b>	<b>1,051,458</b>	<b>523</b>	<b>515</b>	<b>433</b>	<b>418</b>	<b>543</b>	<b>365</b>	<b>317</b>	<b>149</b>	<b>84</b>
Birch Hills County	182	128,155	12	20	17	18	27	30	24	22	12
Clear Hills	390	77,585	72	58	56	61	62	40	24	12	5
Fairview No. 136	202	79,171	25	18	24	27	28	32	22	19	7
Grande Prairie County No. 1	1,113	238,165	203	209	165	135	170	107	88	22	14
Greenview No. 16	534	106,085	114	102	76	73	90	33	27	10	9
Peace No. 135	129	36,829	18	13	12	13	26	20	20	5	2
Saddle Hills County	381	123,580	45	63	50	56	71	45	27	12	12
Smoky River No. 130	306	218,613	23	17	23	22	42	53	71	37	18
Spirit River No. 133	110	43,275	11	15	10	13	27	5	14	10	5
<b>Upper Athabasca</b>	<b>4,143</b>	<b>1,087,816</b>	<b>741</b>	<b>742</b>	<b>554</b>	<b>606</b>	<b>682</b>	<b>372</b>	<b>248</b>	<b>137</b>	<b>61</b>
Athabasca County	650	122,916	119	125	91	95	110	53	34	14	9
Barrhead County No. 11	681	262,293	96	99	77	80	121	83	67	41	17
Big Lakes	306	58,837	51	50	43	52	54	31	11	9	5
Lac Ste. Anne County	794	104,221	147	157	108	144	139	51	27	19	2
Lesser Slave River No. 124	131	14,997	32	21	22	18	23	9	3	3	0
Westlock County	744	317,389	81	113	85	98	129	95	79	43	21
Woodlands County	226	29,160	61	50	32	27	30	17	5	3	1
Yellowhead County	611	178,003	154	127	96	92	76	33	22	5	6

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 27.1: Farms Classified by Total Gross Farm Receipts, 2015**

	Total # Farms	Total Gross Farm Receipts (\$'000)	Under \$10,000	\$10,000- \$24,999	\$25,000- \$49,999	\$50,000- \$99,999	\$100,000- \$249,999	\$250,000- \$499,999	\$500,000- \$999,999	\$1,000,000- \$1,999,999	\$2,000,000 and Over
<b>North Saskatchewan</b>	<b>13,097</b>	<b>3,806,027</b>	<b>1,986</b>	<b>2,111</b>	<b>1,773</b>	<b>1,845</b>	<b>2,215</b>	<b>1,385</b>	<b>970</b>	<b>529</b>	<b>283</b>
Beaver County	631	201,623	70	97	82	80	113	71	69	34	15
Brazeau County	426	32,844	111	113	75	53	49	12	8	4	1
Camrose County	962	341,719	100	124	120	121	152	143	126	45	31
Clearwater County	1,013	89,719	234	218	179	165	145	44	18	8	2
Edmonton	133	166,655	42	22	14	15	15	5	10	4	6
Flagstaff County	638	290,729	35	50	47	86	129	125	92	57	17
Lamont County	689	181,264	88	114	123	108	108	66	42	27	13
Leduc County	1,088	198,898	184	209	171	159	185	77	63	25	15
Minburn County No. 27	594	283,878	51	65	62	77	125	96	54	47	17
Parkland County	679	119,328	171	131	84	92	102	49	29	11	10
Provost No. 52	410	172,417	36	50	29	52	94	64	46	24	15
Smoky Lake County	419	91,129	57	71	70	66	60	45	26	21	3
St. Paul County No. 19	680	163,659	87	117	94	109	123	64	54	21	11
Strathcona County	579	122,401	183	121	80	70	47	33	22	10	13
Sturgeon County	730	230,940	138	114	103	103	105	71	45	29	22
Thorhild County No. 7	382	73,844	57	55	60	66	75	35	20	11	3
Two Hills County No. 21	503	138,178	55	72	58	78	103	73	37	16	11
Vermilion River County	1,052	405,992	94	123	126	144	194	154	110	68	39
Wainwright No. 61	535	277,903	36	64	56	68	120	84	50	32	25
Wetaskiwin County No. 10	954	222,907	157	181	140	133	171	74	49	35	14
<b>Red Deer</b>	<b>8,439</b>	<b>3,150,528</b>	<b>1,037</b>	<b>1,152</b>	<b>1,065</b>	<b>1,136</b>	<b>1,556</b>	<b>1,043</b>	<b>747</b>	<b>428</b>	<b>275</b>
Kneehill County	700	468,465	46	67	75	77	127	110	96	64	38
Lacombe County	1,034	377,167	143	143	142	133	183	103	91	55	41
Mountain View County	1,542	305,649	258	290	230	225	230	152	92	45	20
Paintearth County No. 18	402	155,489	35	52	37	60	87	74	24	21	12
Ponoka County	1,097	360,544	167	165	135	168	194	101	70	57	40
Red Deer County	1,460	414,855	215	242	206	201	231	158	105	65	37
Special Area No. 2	460	249,750	26	43	41	58	111	88	55	20	18
Special Area No. 3	448	187,331	34	26	47	48	107	86	60	29	11
Special Area No. 4	284	166,030	18	18	25	32	72	40	43	24	12
Starland County	309	184,245	17	21	33	37	66	50	43	24	18
Stettler County No. 6	703	281,003	78	85	94	97	148	81	68	24	28

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 27.1: Farms Classified by Total Gross Farm Receipts, 2015**

	Total # Farms	Total Gross Farm Receipts (\$'000)	Under \$10,000	\$10,000- \$24,999	\$25,000- \$49,999	\$50,000- \$99,999	\$100,000- \$249,999	\$250,000- \$499,999	\$500,000- \$999,999	\$1,000,000- \$1,999,999	\$2,000,000 and Over
<b>South Saskatchewan</b>	<b>9,584</b>	<b>8,227,072</b>	<b>1,176</b>	<b>1,142</b>	<b>1,044</b>	<b>1,209</b>	<b>1,684</b>	<b>1,130</b>	<b>979</b>	<b>617</b>	<b>603</b>
Bighorn No. 8	54	6,077	12	13	4	4	15	5	0	1	0
Calgary	145	22,218	44	22	24	19	16	8	8	3	1
Cardston County	475	309,366	62	57	62	66	90	51	37	20	30
Cypress County	805	454,408	69	93	96	102	169	107	85	44	40
Foothills No. 31	1,083	580,276	244	201	143	146	154	80	56	37	22
Forty Mile County No. 8	498	431,457	23	23	34	43	88	72	96	67	52
Lethbridge County	906	2,014,276	68	93	84	116	163	93	90	83	116
Newell County	668	523,056	38	47	69	79	155	116	87	39	38
Pincher Creek No. 9	439	141,386	76	70	61	59	77	46	27	10	13
Ranchland No. 66	68	14,975	17	12	12	4	7	6	6	3	1
Rocky View County	1,135	388,187	212	208	148	172	158	93	74	41	29
Taber	633	979,079	44	34	64	71	116	89	65	70	80
Vulcan County	608	864,818	37	55	47	58	102	98	90	58	63
Warner County No. 5	462	369,928	39	44	37	55	94	63	60	33	37
Wheatland County	810	716,533	96	74	75	88	148	104	124	54	47
Willow Creek No. 26	795	411,031	95	96	84	127	132	99	74	54	34

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

Table 28.1: Farms Classified by Type, Based on NAICS\*, 2016

	Total # Farms	Dairy	Cattle (Beef)	Hog	Poultry and Egg	Sheep and Goat	Other Livestock	Wheat	Grain and Oilseed (Excl. Wheat)	Hay	Fruit and Tree Nut	Vegetable and Melon	Greenhouse, Nursery, Floriculture, Mushroom	Other Crops
<b>Alberta</b>	<b>40,638</b>	<b>411</b>	<b>12,282</b>	<b>166</b>	<b>373</b>	<b>399</b>	<b>5,101</b>	<b>2,894</b>	<b>10,557</b>	<b>6,094</b>	<b>137</b>	<b>299</b>	<b>605</b>	<b>1,320</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>3</b>	<b>131</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>108</b>	<b>93</b>	<b>527</b>	<b>203</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>40</b>
Mackenzie County	610	1	56	0	5	3	46	48	345	74	1	2	3	26
Northern Lights County	375	0	50	1	1	1	39	31	127	105	1	4	2	13
Northern Sunrise County	149	2	25	0	0	1	23	14	55	24	2	1	1	1
<b>Lower Athabasca</b>	<b>894</b>	<b>1</b>	<b>328</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>114</b>	<b>17</b>	<b>125</b>	<b>247</b>	<b>7</b>	<b>1</b>	<b>12</b>	<b>36</b>
Bonnyville No. 87	650	1	239	0	0	3	88	13	86	176	5	1	8	30
Lac la Biche County	238	0	88	0	1	2	26	4	38	68	2	0	3	6
Wood Buffalo	6	0	1	0	0	0	0	0	1	3	0	0	1	0
<b>Upper Peace</b>	<b>3,347</b>	<b>3</b>	<b>610</b>	<b>7</b>	<b>10</b>	<b>19</b>	<b>389</b>	<b>197</b>	<b>1,121</b>	<b>750</b>	<b>15</b>	<b>11</b>	<b>25</b>	<b>190</b>
Birch Hills County	182	0	24	0	0	1	11	11	110	17	0	1	1	6
Clear Hills	390	2	72	1	3	4	59	22	116	87	2	2	0	20
Fairview No. 136	202	0	23	1	0	1	14	18	101	31	2	0	1	10
Grande Prairie County No. 1	1,113	0	209	3	4	8	172	42	286	303	2	5	12	67
Greenview No. 16	534	1	153	0	3	3	68	20	71	167	5	1	3	39
Peace No. 135	129	0	27	0	0	1	8	5	56	20	1	0	2	9
Saddle Hills County	381	0	73	0	0	0	31	35	106	102	1	1	4	28
Smoky River No. 130	306	0	16	2	0	0	16	36	215	11	2	1	1	6
Spirit River No. 133	110	0	13	0	0	1	10	8	60	12	0	0	1	5
<b>Upper Athabasca</b>	<b>4,143</b>	<b>36</b>	<b>1,328</b>	<b>22</b>	<b>47</b>	<b>52</b>	<b>633</b>	<b>144</b>	<b>845</b>	<b>809</b>	<b>10</b>	<b>21</b>	<b>38</b>	<b>158</b>
Athabasca County	650	3	189	0	10	8	94	17	140	147	5	2	4	31
Barrhead County No. 11	681	17	209	10	13	7	73	32	197	85	3	2	8	25
Big Lakes	306	0	95	0	1	4	39	14	54	83	0	2	1	13
Lac Ste. Anne County	794	2	297	3	3	10	154	14	82	171	0	3	11	44
Lesser Slave River No. 124	131	0	48	0	3	2	20	4	16	32	0	2	0	4
Westlock County	744	8	215	7	10	9	63	52	274	75	1	5	8	17
Woodlands County	226	1	90	1	3	4	34	7	18	63	0	1	1	3
Yellowhead County	611	5	185	1	4	8	156	4	64	153	1	4	5	21

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Farms classified by the commodity or group of commodities that make up the majority of total receipts; based on the North American Industry Classification System (NAICS).

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 28.1: Farms Classified by Type, Based on NAICS\*, 2016

	Total # Farms	Dairy	Cattle (Beef)	Hog	Poultry and Egg	Sheep and Goat	Other Livestock	Wheat	Grain and Oilseed (Excl. Wheat)	Hay	Fruit and Tree Nut	Vegetable and Melon	Greenhouse, Nursery, Floriculture, Mushroom	Other Crops
<b>North Saskatchewan</b>	<b>13,097</b>	<b>112</b>	<b>3,662</b>	<b>38</b>	<b>129</b>	<b>119</b>	<b>1,657</b>	<b>946</b>	<b>3,753</b>	<b>1,931</b>	<b>55</b>	<b>94</b>	<b>216</b>	<b>385</b>
Beaver County	631	4	167	3	5	1	71	63	235	63	0	3	3	13
Brazeau County	426	1	134	1	6	5	102	5	23	130	1	1	5	12
Camrose County	962	7	200	8	32	16	78	82	422	81	2	6	8	20
Clearwater County	1,013	9	421	4	4	6	210	4	45	255	3	4	13	35
Edmonton	133	1	19	1	2	0	31	11	25	12	3	8	17	3
Flagstaff County	638	4	133	2	0	3	30	112	303	31	4	4	5	7
Lamont County	689	1	137	0	2	7	50	97	276	89	3	1	8	18
Leduc County	1,088	38	254	2	9	11	163	85	264	178	5	9	35	35
Minburn County No. 27	594	1	127	0	1	2	48	53	299	45	1	2	2	13
Parkland County	679	9	208	0	10	14	151	21	86	99	8	14	31	28
Provost No. 52	410	0	156	0	1	2	22	43	118	52	1	1	0	14
Smoky Lake County	419	1	133	0	1	2	39	23	112	84	2	1	3	18
St. Paul County No. 19	680	2	249	2	0	5	63	19	144	165	1	3	3	24
Strathcona County	579	5	115	2	14	7	138	32	84	119	6	6	35	16
Sturgeon County	730	5	128	3	16	2	110	73	228	96	7	12	25	25
Thorhild County No. 7	382	1	95	0	4	2	31	19	134	68	0	3	2	23
Two Hills County No. 21	503	0	140	1	5	4	32	33	208	54	1	2	1	22
Vermilion River County	1,052	0	362	2	3	12	83	86	361	112	1	2	7	21
Wainwright No. 61	535	0	182	6	1	2	44	56	186	46	0	1	1	10
Wetaskiwin County No. 10	954	23	302	1	13	16	161	29	200	152	6	11	12	28
<b>Red Deer</b>	<b>8,439</b>	<b>163</b>	<b>3,000</b>	<b>58</b>	<b>99</b>	<b>99</b>	<b>1,010</b>	<b>581</b>	<b>2,004</b>	<b>1,022</b>	<b>26</b>	<b>42</b>	<b>121</b>	<b>214</b>
Kneehill County	700	2	154	12	30	5	60	86	296	35	2	2	10	6
Lacombe County	1,034	49	310	14	17	21	132	70	259	103	4	11	28	16
Mountain View County	1,542	22	529	1	17	21	257	60	317	226	7	5	31	49
Paintearth County No. 18	402	0	172	2	2	1	41	29	84	46	3	0	1	21
Ponoka County	1,097	48	459	8	19	20	156	29	189	137	2	5	10	15
Red Deer County	1,460	36	480	10	8	19	212	81	339	190	4	15	35	31
Special Area No. 2	460	0	260	1	1	1	22	23	53	82	0	0	1	16
Special Area No. 3	448	0	120	0	0	1	20	110	120	58	0	0	1	18
Special Area No. 4	284	0	139	1	1	0	15	24	66	23	0	1	0	14
Starland County	309	2	70	3	1	2	21	38	135	25	0	2	1	9
Stettler County No. 6	703	4	307	6	3	8	74	31	146	97	4	1	3	19

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Farms classified by the commodity or group of commodities that make up the majority of total receipts; based on the North American Industry Classification System (NAICS).

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 28.1: Farms Classified by Type, Based on NAICS\*, 2016**

	Total # Farms	Dairy	Cattle (Beef)	Hog	Poultry and Egg	Sheep and Goat	Other Livestock	Wheat	Grain and Oilseed (Excl. Wheat)	Hay	Fruit and Tree Nut	Vegetable and Melon	Greenhouse, Nursery, Floriculture, Mushroom	Other Crops
<b>South Saskatchewan</b>	<b>9,584</b>	<b>93</b>	<b>3,223</b>	<b>40</b>	<b>81</b>	<b>100</b>	<b>1,190</b>	<b>916</b>	<b>2,182</b>	<b>1,132</b>	<b>20</b>	<b>123</b>	<b>187</b>	<b>297</b>
Bighorn No. 8	54	0	27	0	0	1	15	0	2	6	0	2	0	1
Calgary	145	0	28	0	1	1	44	6	34	15	0	10	6	0
Cardston County	475	3	217	2	1	6	61	38	61	72	2	1	4	7
Cypress County	805	1	385	2	1	5	61	89	113	96	0	3	31	18
Foothills No. 31	1,083	2	346	1	11	6	260	40	160	196	2	4	34	21
Forty Mile County No. 8	498	2	106	0	2	3	19	99	217	21	1	10	3	15
Lethbridge County	906	60	218	9	34	21	69	124	226	73	2	10	21	39
Newell County	668	4	299	1	2	8	54	41	128	71	3	5	5	47
Pincher Creek No. 9	439	1	247	0	3	2	65	8	34	63	0	2	3	11
Ranchland No. 66	68	0	42	0	0	1	16	1	2	4	0	0	1	1
Rocky View County	1,135	2	329	3	7	18	222	52	218	208	5	7	39	25
Taber	633	6	177	8	3	2	30	62	189	34	0	60	6	56
Vulcan County	608	2	126	3	0	5	48	103	264	38	1	1	3	14
Warner County No. 5	462	0	112	1	1	2	40	96	135	47	2	1	4	21
Wheatland County	810	1	186	4	7	10	76	128	269	93	2	4	21	9
Willow Creek No. 26	795	9	378	6	8	9	110	29	130	95	0	3	6	12

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

\* Farms classified by the commodity or group of commodities that make up the majority of total receipts; based on the North American Industry Classification System (NAICS).

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 29.1: Paid Agricultural Labour, 2015

	Total Paid Labour		Paid Labour, Family Members		Paid Work, Year Round, Full-Time		Paid Work, Year Round, Part-Time		Paid Work, Seasonal or Temporary	
	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees
<b>Alberta</b>	<b>9,565</b>	<b>33,498</b>	<b>7,138</b>	<b>14,886</b>	<b>4,323</b>	<b>12,354</b>	<b>2,405</b>	<b>4,307</b>	<b>6,093</b>	<b>16,837</b>
<b>Lower Peace</b>	<b>241</b>	<b>683</b>	<b>175</b>	<b>347</b>	<b>61</b>	<b>143</b>	<b>44</b>	<b>81</b>	<b>190</b>	<b>459</b>
Mackenzie County	135	306	100	195	24	44	20	42	109	220
Northern Lights County	65	189	45	84	20	43	13	24	50	122
Northern Sunrise County	41	188	30	68	17	56	11	15	31	117
<b>Lower Athabasca</b>	<b>140</b>	<b>X</b>	<b>93</b>	<b>164</b>	<b>37</b>	<b>55</b>	<b>24</b>	<b>41</b>	<b>105</b>	<b>X</b>
Bonnyville No. 87	95	197	64	106	29	41	15	23	70	133
Lac la Biche County	44	102	29	58	8	14	9	18	34	70
Wood Buffalo	1	X	0	0	0	0	0	0	1	X
<b>Upper Peace</b>	<b>763</b>	<b>2,206</b>	<b>539</b>	<b>1,015</b>	<b>259</b>	<b>528</b>	<b>157</b>	<b>231</b>	<b>581</b>	<b>1,447</b>
Birch Hills County	55	163	39	72	22	57	10	16	43	90
Clear Hills	79	218	51	109	22	51	15	22	61	145
Fairview No. 136	65	199	47	82	28	47	7	13	47	139
Grande Prairie County No. 1	208	530	137	232	63	117	51	74	150	339
Greenview No. 16	84	261	61	108	29	65	17	23	60	173
Peace No. 135	40	106	25	51	14	20	7	9	32	77
Saddle Hills County	80	247	67	128	31	63	20	34	61	150
Smoky River No. 130	120	376	90	188	37	89	23	30	98	257
Spirit River No. 133	32	106	22	45	13	19	7	10	29	77
<b>Upper Athabasca</b>	<b>713</b>	<b>X</b>	<b>507</b>	<b>965</b>	<b>259</b>	<b>542</b>	<b>170</b>	<b>274</b>	<b>474</b>	<b>X</b>
Athabasca County	106	293	73	140	29	52	25	41	74	200
Barrhead County No. 11	157	480	129	246	57	129	39	71	103	280
Big Lakes	57	155	35	67	22	39	15	17	40	99
Lac Ste. Anne County	104	240	70	113	44	64	25	40	59	136
Lesser Slave River No. 124	22	52	9	19	7	12	3	4	17	36
Westlock County	167	547	120	244	59	156	41	68	117	323
Woodlands County	24	62	17	30	8	13	4	6	17	43
Yellowhead County	76	X	54	106	33	77	18	27	47	X

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 29.1: Paid Agricultural Labour, 2015**

	Total Paid Labour		Paid Labour, Family Members		Paid Work, Year Round, Full-Time		Paid Work, Year Round, Part-Time		Paid Work, Seasonal or Temporary	
	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees
<b>North Saskatchewan</b>	<b>2,783</b>	<b>8,617</b>	<b>2,102</b>	<b>4,166</b>	<b>1,126</b>	<b>2,524</b>	<b>640</b>	<b>1,137</b>	<b>1,844</b>	<b>4,956</b>
Beaver County	150	380	115	203	54	101	30	51	108	228
Brazeau County	50	103	40	57	18	24	11	26	27	53
Camrose County	248	741	203	429	108	230	64	96	170	415
Clearwater County	123	252	94	163	34	53	30	42	77	157
Edmonton	36	378	21	62	25	106	6	17	25	255
Flagstaff County	221	632	177	363	106	201	43	67	147	364
Lamont County	111	330	79	166	38	88	22	36	86	206
Leduc County	203	622	150	334	85	176	55	102	136	344
Minburn County No. 27	140	364	106	199	41	100	24	48	99	216
Parkland County	121	571	86	188	51	127	40	86	78	358
Provost No. 52	117	308	93	184	49	136	32	42	70	130
Smoky Lake County	80	238	62	93	28	50	11	16	57	172
St. Paul County No. 19	124	324	88	169	37	55	20	32	91	237
Strathcona County	113	536	80	153	57	159	30	55	68	322
Sturgeon County	143	593	109	248	65	173	47	86	97	334
Thorhild County No. 7	64	167	44	76	17	41	5	18	49	108
Two Hills County No. 21	107	274	79	148	32	52	27	50	75	172
Vermilion River County	297	746	232	436	131	255	59	92	180	399
Wainwright No. 61	144	472	116	263	70	205	37	82	84	185
Wetaskiwin County No. 10	191	586	128	232	80	192	47	93	120	301
<b>Red Deer</b>	<b>2,016</b>	<b>6,673</b>	<b>1,530</b>	<b>3,096</b>	<b>958</b>	<b>2,305</b>	<b>548</b>	<b>1,000</b>	<b>1,240</b>	<b>3,368</b>
Kneehill County	233	785	177	354	114	290	63	104	154	391
Lacombe County	272	1,077	217	455	141	404	97	202	153	471
Mountain View County	289	786	210	394	119	229	72	119	193	438
Paintearth County No. 18	84	226	67	147	29	66	25	38	55	122
Ponoka County	259	811	185	391	126	300	75	141	150	370
Red Deer County	319	1,317	240	465	141	314	92	184	207	819
Special Area No. 2	122	369	97	207	67	194	23	33	66	142
Special Area No. 3	117	344	97	184	57	145	21	26	70	173
Special Area No. 4	95	272	73	158	57	122	26	48	52	102
Starland County	83	234	63	122	39	82	14	28	56	124
Stettler County No. 6	143	452	104	219	68	159	40	77	84	216

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 29.1: Paid Agricultural Labour, 2015**

	Total Paid Labour		Paid Labour, Family Members		Paid Work, Year Round, Full-Time		Paid Work, Year Round, Part-Time		Paid Work, Seasonal or Temporary	
	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees	# Farms	# Employees
<b>South Saskatchewan</b>	<b>2,909</b>	<b>12,965</b>	<b>2,192</b>	<b>5,133</b>	<b>1,623</b>	<b>6,257</b>	<b>822</b>	<b>1,543</b>	<b>1,659</b>	<b>5,165</b>
Bighorn No. 8	12	23	6	6	7	10	2	X	8	X
Calgary	19	52	9	14	12	27	6	13	8	12
Cardston County	138	496	106	233	54	159	39	81	92	256
Cypress County	207	999	165	336	125	626	42	81	101	292
Foothills No. 31	246	869	163	285	104	308	65	100	151	461
Forty Mile County No. 8	219	730	171	385	142	363	66	97	109	270
Lethbridge County	347	1,916	287	673	232	1,037	136	276	169	603
Newell County	230	991	157	509	125	566	55	79	126	346
Pincher Creek No. 9	99	284	75	136	42	101	21	53	61	130
Ranchland No. 66	19	63	10	19	12	30	5	X	11	X
Rocky View County	250	961	174	420	119	417	74	125	155	419
Taber	265	2,102	196	449	173	880	69	155	174	1,067
Vulcan County	218	1,015	163	429	129	638	54	94	120	283
Warner County No. 5	157	546	107	326	78	257	39	98	92	191
Wheatland County	255	1,123	215	496	140	485	82	148	151	490
Willow Creek No. 26	228	795	188	417	129	353	67	136	131	306

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 30.1: Farms Reporting Technology Use, 2015**

	Computers/Laptops for Farm Management	Smartphones/Tablets for Farm Management	GPS Technology	Automated Steering (Auto-Steer)	GIS Mapping Technology
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>23,725</b>	<b>19,093</b>	<b>13,684</b>	<b>10,462</b>	<b>2,589</b>
<b>Lower Peace</b>	<b>472</b>	<b>407</b>	<b>422</b>	<b>340</b>	<b>47</b>
Mackenzie County	185	179	236	196	14
Northern Lights County	199	154	119	84	18
Northern Sunrise County	88	74	67	60	15
<b>Lower Athabasca</b>	<b>396</b>	<b>308</b>	<b>189</b>	<b>114</b>	<b>25</b>
Bonnyville No. 87	290	221	133	83	17
Lac la Biche County	105	86	56	31	8
Wood Buffalo	1	1	0	0	0
<b>Upper Peace</b>	<b>1,849</b>	<b>1,509</b>	<b>1,199</b>	<b>968</b>	<b>175</b>
Birch Hills County	120	106	111	101	19
Clear Hills	171	139	124	86	13
Fairview No. 136	114	104	96	79	24
Grande Prairie County No. 1	612	488	308	255	40
Greenview No. 16	268	208	116	74	15
Peace No. 135	81	59	59	40	4
Saddle Hills County	207	159	111	87	13
Smoky River No. 130	216	190	218	201	38
Spirit River No. 133	60	56	56	45	9
<b>Upper Athabasca</b>	<b>2,113</b>	<b>1,623</b>	<b>1,002</b>	<b>706</b>	<b>172</b>
Athabasca County	334	247	143	101	25
Barrhead County No. 11	359	276	242	183	40
Big Lakes	135	113	63	52	16
Lac Ste. Anne County	393	292	117	61	14
Lesser Slave River No. 124	54	46	20	9	2
Westlock County	437	353	306	239	62
Woodlands County	110	80	29	17	4
Yellowhead County	291	216	82	44	9

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 30.1: Farms Reporting Technology Use, 2015**

	Computers/Laptops for Farm Management	Smartphones/Tablets for Farm Management	GPS Technology	Automated Steering (Auto-Ster)	GIS Mapping Technology
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>North Saskatchewan</b>	<b>7,272</b>	<b>5,912</b>	<b>4,048</b>	<b>3,055</b>	<b>742</b>
Beaver County	362	324	243	187	57
Brazeau County	191	133	20	8	4
Camrose County	627	542	432	362	103
Clearwater County	492	348	95	27	11
Edmonton	71	59	25	20	13
Flagstaff County	420	358	370	317	54
Lamont County	380	286	231	181	36
Leduc County	582	455	284	211	55
Minburn County No. 27	349	304	277	246	57
Parkland County	353	256	111	58	16
Provost No. 52	247	209	165	116	22
Smoky Lake County	206	179	130	94	22
St. Paul County No. 19	336	260	176	120	19
Strathcona County	310	238	90	71	19
Sturgeon County	422	325	243	191	45
Thorhild County No. 7	204	159	97	68	13
Two Hills County No. 21	250	218	188	149	35
Vermilion River County	624	549	416	315	77
Wainwright No. 61	310	294	223	177	55
Wetaskiwin County No. 10	536	416	232	137	29
<b>Red Deer</b>	<b>5,310</b>	<b>4,328</b>	<b>2,999</b>	<b>2,290</b>	<b>607</b>
Kneehill County	514	459	409	367	114
Lacombe County	670	519	376	275	78
Mountain View County	960	755	460	327	94
Paintearth County No. 18	254	221	147	116	22
Ponoka County	624	478	288	206	47
Red Deer County	940	751	452	317	87
Special Area No. 2	296	239	138	98	21
Special Area No. 3	290	248	244	190	37
Special Area No. 4	163	149	117	96	23
Starland County	198	178	167	147	29
Stettler County No. 6	401	331	201	151	55

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 30.1: Farms Reporting Technology Use, 2015**

	Computers/Laptops for Farm Management	Smartphones/Tablets for Farm Management	GPS Technology	Automated Steering (Auto-Steer)	GIS Mapping Technology
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>South Saskatchewan</b>	<b>6,313</b>	<b>5,006</b>	<b>3,825</b>	<b>2,989</b>	<b>821</b>
Bighorn No. 8	30	24	8	5	2
Calgary	94	77	40	27	10
Cardston County	304	222	165	124	31
Cypress County	492	387	256	172	36
Foothills No. 31	673	478	227	170	39
Forty Mile County No. 8	361	314	323	290	72
Lethbridge County	611	476	432	327	63
Newell County	413	342	284	209	38
Pincher Creek No. 9	279	195	102	57	20
Ranchland No. 66	35	21	2	2	1
Rocky View County	765	606	344	259	104
Taber	414	357	334	288	84
Vulcan County	437	381	371	322	99
Warner County No. 5	310	244	264	206	50
Wheatland County	574	488	408	355	114
Willow Creek No. 26	521	394	265	176	58

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

Table 30.2: Farms Reporting Technology Use, 2015

	Automated Animal Feeding	Automated Environmental Controls for Animal Housing	Greenhouse Automation	Robotic Milking	Other Technologies
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>669</b>	<b>680</b>	<b>143</b>	<b>62</b>	<b>164</b>
<b>Lower Peace</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>3</b>
Mackenzie County	1	1	1	0	2
Northern Lights County	0	1	1	0	0
Northern Sunrise County	2	3	0	0	1
<b>Lower Athabasca</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>2</b>
Bonnyville No. 87	4	1	2	0	2
Lac la Biche County	0	0	0	0	0
Wood Buffalo	0	0	1	0	0
<b>Upper Peace</b>	<b>20</b>	<b>19</b>	<b>2</b>	<b>0</b>	<b>12</b>
Birch Hills County	2	1	0	0	0
Clear Hills	1	0	0	0	0
Fairview No. 136	3	4	1	0	0
Grande Prairie County No. 1	3	6	1	0	4
Greenview No. 16	8	3	0	0	1
Peace No. 135	0	1	0	0	0
Saddle Hills County	0	0	0	0	0
Smoky River No. 130	3	3	0	0	7
Spirit River No. 133	0	1	0	0	0
<b>Upper Athabasca</b>	<b>51</b>	<b>50</b>	<b>10</b>	<b>6</b>	<b>16</b>
Athabasca County	9	8	0	2	1
Barrhead County No. 11	17	23	3	1	1
Big Lakes	1	0	0	0	1
Lac Ste. Anne County	5	1	5	0	5
Lesser Slave River No. 124	0	0	0	0	0
Westlock County	14	15	1	3	6
Woodlands County	1	2	0	0	0
Yellowhead County	4	1	1	0	2

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

Table 30.2: Farms Reporting Technology Use, 2015

	Automated Animal Feeding	Automated Environmental Controls for Animal Housing	Greenhouse Automation	Robotic Milking	Other Technologies
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>North Saskatchewan</b>	<b>199</b>	<b>191</b>	<b>35</b>	<b>22</b>	<b>53</b>
Beaver County	13	9	0	0	3
Brazeau County	5	1	1	0	1
Camrose County	35	35	2	0	4
Clearwater County	9	9	4	2	3
Edmonton	3	3	4	0	1
Flagstaff County	7	8	1	3	3
Lamont County	4	4	1	0	3
Leduc County	20	23	2	7	5
Minburn County No. 27	3	4	1	0	2
Parkland County	9	8	5	1	1
Provost No. 52	2	0	0	0	3
Smoky Lake County	1	3	1	0	1
St. Paul County No. 19	5	3	1	0	1
Strathcona County	16	16	6	2	3
Sturgeon County	18	16	2	3	4
Thorhild County No. 7	5	5	1	0	2
Two Hills County No. 21	7	9	0	0	4
Vermilion River County	11	8	0	0	2
Wainwright No. 61	13	12	1	1	3
Wetaskiwin County No. 10	13	15	2	3	4
<b>Red Deer</b>	<b>192</b>	<b>213</b>	<b>31</b>	<b>22</b>	<b>30</b>
Kneehill County	34	32	0	1	3
Lacombe County	45	56	9	3	7
Mountain View County	20	18	8	4	3
Paintearth County No. 18	6	3	0	1	0
Ponoka County	36	48	4	6	2
Red Deer County	21	31	7	4	9
Special Area No. 2	6	2	0	0	4
Special Area No. 3	3	2	1	0	1
Special Area No. 4	1	1	0	0	0
Starland County	9	11	1	2	0
Stettler County No. 6	11	9	1	1	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 30.2: Farms Reporting Technology Use, 2015**

	<u>Automated Animal Feeding</u>	<u>Automated Environmental Controls for Animal Housing</u>	<u>Greenhouse Automation</u>	<u>Robotic Milking</u>	<u>Other Technologies</u>
	<u># Farms</u>	<u># Farms</u>	<u># Farms</u>	<u># Farms</u>	<u># Farms</u>
<b>South Saskatchewan</b>	<b>200</b>	<b>201</b>	<b>60</b>	<b>12</b>	<b>48</b>
Bighorn No. 8	0	2	1	0	0
Calgary	1	0	0	0	1
Cardston County	10	12	0	1	0
Cypress County	8	6	24	0	1
Foothills No. 31	12	7	1	0	4
Forty Mile County No. 8	17	14	2	0	7
Lethbridge County	44	57	6	3	5
Newell County	12	10	1	3	3
Pincher Creek No. 9	5	4	2	1	1
Ranchland No. 66	0	0	0	0	0
Rocky View County	12	14	8	0	4
Taber	17	15	1	1	14
Vulcan County	16	15	2	1	1
Warner County No. 5	17	18	2	2	2
Wheatland County	15	10	6	0	3
Willow Creek No. 26	14	17	4	0	2

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

Table 31.1: Farms Reporting Direct Sales, 2015

	Agricultural Products Directly Sold to Consumers for Human Consumption		
	Total	Unprocessed Agricultural Products (1)	Value-Added Agricultural Products (2)
	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>2,062</b>	<b>1,986</b>	<b>197</b>
<b>Lower Peace</b>	<b>68</b>	<b>68</b>	<b>3</b>
Mackenzie County	45	45	2
Northern Lights County	13	13	1
Northern Sunrise County	10	10	0
<b>Lower Athabasca</b>	<b>37</b>	<b>33</b>	<b>6</b>
Bonnyville No. 87	29	25	6
Lac la Biche County	8	8	0
Wood Buffalo	0	0	0
<b>Upper Peace</b>	<b>144</b>	<b>142</b>	<b>6</b>
Birch Hills County	3	3	0
Clear Hills	14	14	2
Fairview No. 136	11	11	0
Grande Prairie County No. 1	58	58	2
Greenview No. 16	19	19	0
Peace No. 135	9	8	1
Saddle Hills County	18	18	0
Smoky River No. 130	9	8	1
Spirit River No. 133	3	3	0
<b>Upper Athabasca</b>	<b>223</b>	<b>217</b>	<b>24</b>
Athabasca County	34	34	1
Barrhead County No. 11	27	27	4
Big Lakes	17	16	2
Lac Ste. Anne County	48	47	2
Lesser Slave River No. 124	4	3	1
Westlock County	34	33	4
Woodlands County	12	12	1
Yellowhead County	47	45	9

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) - Unprocessed agricultural products include fruits, vegetables, meats cuts, poultry, eggs, maple syrup, honey, etc. (2) - Value-added agricultural products include jellies, sausages, wine, cheese, etc.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 31.1: Farms Reporting Direct Sales, 2015**

	Agricultural Products Directly Sold to Consumers for Human Consumption		
	Total	Unprocessed Agricultural Products (1)	Value-Added Agricultural Products (2)
	# Farms	# Farms	# Farms
<b>North Saskatchewan</b>	<b>651</b>	<b>630</b>	<b>55</b>
Beaver County	30	28	2
Brazeau County	14	14	0
Camrose County	51	50	5
Clearwater County	48	47	3
Edmonton	16	16	0
Flagstaff County	24	22	3
Lamont County	24	24	0
Leduc County	59	56	11
Minburn County No. 27	23	22	2
Parkland County	66	66	3
Provost No. 52	14	13	4
Smoky Lake County	14	14	1
St. Paul County No. 19	33	33	0
Strathcona County	51	51	1
Sturgeon County	59	58	8
Thorhild County No. 7	19	17	3
Two Hills County No. 21	18	15	3
Vermilion River County	32	30	2
Wainwright No. 61	11	11	0
Wetaskiwin County No. 10	45	43	4
<b>Red Deer</b>	<b>387</b>	<b>366</b>	<b>53</b>
Kneehill County	32	28	5
Lacombe County	48	44	7
Mountain View County	81	77	14
Paintearth County No. 18	25	23	4
Ponoka County	48	47	1
Red Deer County	84	83	10
Special Area No. 2	11	10	4
Special Area No. 3	11	9	3
Special Area No. 4	8	8	1
Starland County	11	9	2
Stettler County No. 6	28	28	2

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) - Unprocessed agricultural products include fruits, vegetables, meats cuts, poultry, eggs, maple syrup, honey, etc. (2) - Value-added agricultural products include jellies, sausages, wine, cheese, etc.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 31.1: Farms Reporting Direct Sales, 2015**

	Agricultural Products Directly Sold to Consumers for Human Consumption		
	Total	Unprocessed Agricultural Products (1)	Value-Added Agricultural Products (2)
	# Farms	# Farms	# Farms
<b>South Saskatchewan</b>	<b>552</b>	<b>530</b>	<b>50</b>
Bighorn No. 8	8	8	2
Calgary	25	24	4
Cardston County	20	19	3
Cypress County	33	30	5
Foothills No. 31	89	86	8
Forty Mile County No. 8	17	17	2
Lethbridge County	41	37	5
Newell County	29	26	6
Pincher Creek No. 9	32	32	2
Ranchland No. 66	3	3	0
Rocky View County	110	109	4
Taber	20	20	0
Vulcan County	29	29	2
Warner County No. 5	15	15	0
Wheatland County	41	36	6
Willow Creek No. 26	40	39	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

(1) - Unprocessed agricultural products include fruits, vegetables, meats cuts, poultry, eggs, maple syrup, honey, etc. (2) - Value-added agricultural products include jellies, sausages, wine, cheese, etc.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 31.2: Farms Reporting Direct Sales, 2015**

	Methods Used to Sell to Consumers Directly for Human Consumption				
	Total	Farm Gate Sales, Stands, Kiosks, U-Pick	Farmer's Markets	Community Supported Agriculture (CSA)	Other Methods
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>2,062</b>	<b>1,761</b>	<b>425</b>	<b>119</b>	<b>94</b>
<b>Lower Peace</b>	<b>68</b>	<b>58</b>	<b>10</b>	<b>4</b>	<b>2</b>
Mackenzie County	45	40	4	4	2
Northern Lights County	13	10	4	0	0
Northern Sunrise County	10	8	2	0	0
<b>Lower Athabasca</b>	<b>37</b>	<b>31</b>	<b>11</b>	<b>3</b>	<b>1</b>
Bonnyville No. 87	29	24	9	1	1
Lac la Biche County	8	7	2	2	0
Wood Buffalo	0	0	0	0	0
<b>Upper Peace</b>	<b>144</b>	<b>128</b>	<b>21</b>	<b>7</b>	<b>6</b>
Birch Hills County	3	2	2	0	0
Clear Hills	14	13	2	1	0
Fairview No. 136	11	10	1	0	1
Grande Prairie County No. 1	58	51	10	3	3
Greenview No. 16	19	17	2	2	0
Peace No. 135	9	7	0	0	2
Saddle Hills County	18	16	1	1	0
Smoky River No. 130	9	9	3	0	0
Spirit River No. 133	3	3	0	0	0
<b>Upper Athabasca</b>	<b>223</b>	<b>188</b>	<b>42</b>	<b>8</b>	<b>11</b>
Athabasca County	34	31	4	2	2
Barrhead County No. 11	27	24	5	1	1
Big Lakes	17	11	5	1	1
Lac Ste. Anne County	48	40	5	1	5
Lesser Slave River No. 124	4	2	2	0	1
Westlock County	34	31	6	1	0
Woodlands County	12	11	1	0	1
Yellowhead County	47	38	14	2	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 31.2: Farms Reporting Direct Sales, 2015**

	Methods Used to Sell to Consumers Directly for Human Consumption				
	Total # Farms	Farm Gate Sales, Stands, Kiosks, U-Pick # Farms	Farmer's Markets # Farms	Community Supported Agriculture (CSA) # Farms	Other Methods # Farms
<b>North Saskatchewan</b>	<b>651</b>	<b>553</b>	<b>142</b>	<b>38</b>	<b>31</b>
Beaver County	30	25	7	1	2
Brazeau County	14	13	0	0	1
Camrose County	51	42	12	3	2
Clearwater County	48	35	13	2	5
Edmonton	16	12	6	2	1
Flagstaff County	24	20	7	2	0
Lamont County	24	21	3	2	0
Leduc County	59	54	11	4	3
Minburn County No. 27	23	20	5	0	1
Parkland County	66	56	16	4	4
Provost No. 52	14	12	3	2	0
Smoky Lake County	14	14	6	0	0
St. Paul County No. 19	33	29	3	3	1
Strathcona County	51	43	9	2	4
Sturgeon County	59	49	11	6	2
Thorhild County No. 7	19	17	5	2	0
Two Hills County No. 21	18	16	2	0	0
Vermilion River County	32	27	5	1	3
Wainwright No. 61	11	11	1	0	0
Wetaskiwin County No. 10	45	37	17	2	2
<b>Red Deer</b>	<b>387</b>	<b>328</b>	<b>88</b>	<b>27</b>	<b>21</b>
Kneehill County	32	26	6	0	3
Lacombe County	48	44	17	7	2
Mountain View County	81	70	15	6	6
Paintearth County No. 18	25	22	3	1	1
Ponoka County	48	41	11	0	1
Red Deer County	84	68	24	9	4
Special Area No. 2	11	10	1	1	1
Special Area No. 3	11	9	2	1	0
Special Area No. 4	8	7	1	0	0
Starland County	11	8	1	1	2
Stettler County No. 6	28	23	7	1	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 31.2: Farms Reporting Direct Sales, 2015**

	Methods Used to Sell to Consumers Directly for Human Consumption				
	Total	Farm Gate Sales, Stands, Kiosks, U-Pick	Farmer's Markets	Community Supported Agriculture (CSA)	Other Methods
	# Farms	# Farms	# Farms	# Farms	# Farms
<b>South Saskatchewan</b>	<b>552</b>	<b>475</b>	<b>111</b>	<b>32</b>	<b>22</b>
Bighorn No. 8	8	8	1	0	0
Calgary	25	18	12	5	0
Cardston County	20	20	3	0	0
Cypress County	33	26	6	3	2
Foothills No. 31	89	80	14	4	4
Forty Mile County No. 8	17	14	6	2	2
Lethbridge County	41	34	11	3	1
Newell County	29	20	12	1	0
Pincher Creek No. 9	32	29	3	2	2
Ranchland No. 66	3	3	1	0	0
Rocky View County	110	97	12	6	4
Taber	20	17	6	1	0
Vulcan County	29	25	9	2	1
Warner County No. 5	15	12	4	0	0
Wheatland County	41	37	8	1	2
Willow Creek No. 26	40	35	3	2	4

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 32.1: Farms Reporting Succession Planning, 2016**

	Farms with Written Succession Plan		
	Total # Farms	Successor(s) for Operation Given Written Plan: Family Member(s)	Successor(s) for Operation Given Written Plan: Non-Family Member(s)
		# Farms	# Farms
<b>Alberta</b>	<b>3,440</b>	<b>3,335</b>	<b>112</b>
<b>Lower Peace</b>	<b>41</b>	<b>38</b>	<b>3</b>
Mackenzie County	12	10	2
Northern Lights County	22	22	0
Northern Sunrise County	7	6	1
<b>Lower Athabasca</b>	<b>47</b>	<b>44</b>	<b>3</b>
Bonnyville No. 87	34	32	2
Lac la Biche County	13	12	1
Wood Buffalo	0	0	0
<b>Upper Peace</b>	<b>210</b>	<b>202</b>	<b>8</b>
Birch Hills County	9	9	0
Clear Hills	25	24	1
Fairview No. 136	26	24	2
Grande Prairie County No. 1	62	62	0
Greenview No. 16	32	30	2
Peace No. 135	5	3	2
Saddle Hills County	21	20	1
Smoky River No. 130	21	21	0
Spirit River No. 133	9	9	0
<b>Upper Athabasca</b>	<b>227</b>	<b>219</b>	<b>9</b>
Athabasca County	33	33	0
Barrhead County No. 11	45	44	1
Big Lakes	20	19	1
Lac Ste. Anne County	35	33	2
Lesser Slave River No. 124	6	4	2
Westlock County	59	58	2
Woodlands County	6	6	0
Yellowhead County	23	22	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 32.1: Farms Reporting Succession Planning, 2016

	Farms with Written Succession Plan		
	Total # Farms	Successor(s) for Operation Given Written Plan: Family Member(s)	Successor(s) for Operation Given Written Plan: Non-Family Member(s)
		# Farms	# Farms
<b>North Saskatchewan</b>	<b>939</b>	<b>910</b>	<b>29</b>
Beaver County	56	52	4
Brazeau County	20	20	0
Camrose County	64	60	4
Clearwater County	72	70	2
Edmonton	9	7	2
Flagstaff County	66	63	3
Lamont County	47	46	1
Leduc County	71	70	1
Minburn County No. 27	56	55	1
Parkland County	31	30	1
Provost No. 52	36	35	1
Smoky Lake County	14	12	2
St. Paul County No. 19	41	40	1
Strathcona County	37	36	1
Sturgeon County	61	59	2
Thorhild County No. 7	22	22	0
Two Hills County No. 21	32	32	0
Vermilion River County	83	82	1
Wainwright No. 61	50	48	2
Wetaskiwin County No. 10	71	71	0
<b>Red Deer</b>	<b>816</b>	<b>798</b>	<b>20</b>
Kneehill County	90	89	1
Lacombe County	101	99	2
Mountain View County	121	115	7
Paintearth County No. 18	35	35	0
Ponoka County	89	88	1
Red Deer County	144	138	7
Special Area No. 2	55	55	0
Special Area No. 3	42	40	2
Special Area No. 4	39	39	0
Starland County	38	38	0
Stettler County No. 6	62	62	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 32.1: Farms Reporting Succession Planning, 2016**

	Farms with Written Succession Plan		
	Total # Farms	Successor(s) for Operation Given Written Plan: Family Member(s)	Successor(s) for Operation Given Written Plan: Non-Family Member(s)
		# Farms	# Farms
<b>South Saskatchewan</b>	<b>1,160</b>	<b>1,124</b>	<b>40</b>
Bighorn No. 8	8	8	0
Calgary	19	17	2
Cardston County	53	51	2
Cypress County	88	86	3
Foothills No. 31	98	95	3
Forty Mile County No. 8	79	77	3
Lethbridge County	107	104	3
Newell County	62	60	2
Pincher Creek No. 9	56	52	4
Ranchland No. 66	7	7	0
Rocky View County	130	125	5
Taber	88	87	2
Vulcan County	86	80	6
Warner County No. 5	61	58	3
Wheatland County	127	127	1
Willow Creek No. 26	91	90	1

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.



**Table 33.1: Farms Reporting Renewable Energy Production, 2015**

	Farms Using Renewable Energy Producing Systems					
	Total	Solar Panels	Wind Turbines	Anaerobic Biodigester (Biogas or Methane)	Biodiesel Production Systems	Other Renewable Energy Producing Systems
	# Farms	# Farms	# Farms	# Farms	# Farms	# Farms
<b>Alberta</b>	<b>1,928</b>	<b>1,761</b>	<b>258</b>	<b>9</b>	<b>4</b>	<b>44</b>
<b>Lower Peace</b>	<b>36</b>	<b>32</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>2</b>
Mackenzie County	10	8	1	0	0	1
Northern Lights County	20	18	3	0	0	1
Northern Sunrise County	6	6	1	0	0	0
<b>Lower Athabasca</b>	<b>27</b>	<b>27</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>
Bonnyville No. 87	21	21	5	0	0	0
Lac la Biche County	6	6	1	0	0	0
Wood Buffalo	0	0	0	0	0	0
<b>Upper Peace</b>	<b>180</b>	<b>173</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>6</b>
Birch Hills County	5	5	0	0	0	0
Clear Hills	16	16	2	0	0	0
Fairview No. 136	13	13	1	0	0	1
Grande Prairie County No. 1	70	64	9	0	0	4
Greenview No. 16	36	35	5	0	0	1
Peace No. 135	10	10	0	0	0	0
Saddle Hills County	19	19	2	0	0	0
Smoky River No. 130	8	8	1	0	0	0
Spirit River No. 133	3	3	0	0	0	0
<b>Upper Athabasca</b>	<b>226</b>	<b>221</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>4</b>
Athabasca County	34	33	2	0	0	1
Barrhead County No. 11	39	39	0	0	0	0
Big Lakes	21	20	0	0	0	1
Lac Ste. Anne County	51	50	3	0	0	1
Lesser Slave River No. 124	9	8	1	1	0	0
Westlock County	37	36	1	0	0	1
Woodlands County	10	10	1	0	0	0
Yellowhead County	25	25	1	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Note: Alberta reported 0 farms using Geothermal electric power generators or Hydro electric power generators. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

Table 33.1: Farms Reporting Renewable Energy Production, 2015

Farms Using Renewable Energy Producing Systems						
	Total	Solar Panels	Wind Turbines	Anaerobic Biodigester (Biogas or Methane)	Biodiesel Production Systems	Other Renewable Energy Producing Systems
	# Farms	# Farms	# Farms	# Farms	# Farms	# Farms
<b>North Saskatchewan</b>	<b>536</b>	<b>513</b>	<b>40</b>	<b>1</b>	<b>3</b>	<b>15</b>
Beaver County	32	29	6	0	0	2
Brazeau County	32	30	5	0	0	0
Camrose County	41	41	2	0	0	1
Clearwater County	79	77	5	0	0	2
Edmonton	4	4	0	0	0	0
Flagstaff County	24	24	0	0	0	0
Lamont County	22	21	1	0	0	1
Leduc County	29	27	1	1	0	2
Minburn County No. 27	23	22	1	0	0	1
Parkland County	18	16	1	0	1	1
Provost No. 52	24	23	4	0	0	0
Smoky Lake County	13	10	1	0	0	2
St. Paul County No. 19	24	23	2	0	1	0
Strathcona County	21	20	2	0	0	0
Sturgeon County	23	22	1	0	0	1
Thorhild County No. 7	6	6	1	0	0	0
Two Hills County No. 21	13	13	2	0	0	0
Vermilion River County	40	38	3	0	1	1
Wainwright No. 61	25	25	1	0	0	0
Wetaskiwin County No. 10	43	42	1	0	0	1
<b>Red Deer</b>	<b>449</b>	<b>414</b>	<b>52</b>	<b>2</b>	<b>1</b>	<b>11</b>
Kneehill County	34	29	6	0	0	0
Lacombe County	37	34	3	0	0	3
Mountain View County	93	87	13	0	0	2
Paintearth County No. 18	32	22	11	0	0	0
Ponoka County	55	53	2	1	0	3
Red Deer County	89	86	5	0	0	2
Special Area No. 2	20	20	0	0	0	0
Special Area No. 3	9	9	1	0	0	0
Special Area No. 4	16	16	1	0	0	0
Starland County	28	23	6	1	1	1
Stettler County No. 6	36	35	4	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Note: Alberta reported 0 farms using Geothermal electric power generators or Hydro electric power generators. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 33.1: Farms Reporting Renewable Energy Production, 2015**

	Farms Using Renewable Energy Producing Systems					
	Total # Farms	Solar Panels # Farms	Wind Turbines # Farms	Anaerobic Biodigester (Biogas or Methane) # Farms	Biodiesel Production Systems # Farms	Other Renewable Energy Producing Systems # Farms
<b>South Saskatchewan</b>	<b>474</b>	<b>381</b>	<b>126</b>	<b>5</b>	<b>0</b>	<b>6</b>
Bighorn No. 8	3	3	0	0	0	0
Calgary	9	8	2	0	0	0
Cardston County	9	7	2	0	0	0
Cypress County	35	33	7	0	0	0
Foothills No. 31	64	61	9	0	0	1
Forty Mile County No. 8	14	13	2	0	0	0
Lethbridge County	15	11	3	0	0	1
Newell County	22	20	3	1	0	0
Pincher Creek No. 9	45	28	18	0	0	2
Ranchland No. 66	5	5	0	0	0	0
Rocky View County	74	68	11	1	0	1
Taber	24	18	9	1	0	0
Vulcan County	39	21	22	0	0	0
Warner County No. 5	12	8	4	0	0	1
Wheatland County	44	31	17	2	0	0
Willow Creek No. 26	60	46	17	0	0	0

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

Note: Alberta reported 0 farms using Geothermal electric power generators or Hydro electric power generators. 0 - True zero or a value rounded to zero. Refer to census definitions and notes for more information.

**Table 34.1: Number of Farm Operators, 2016**

	Total Number of Farms	Total Number of Operators	Number of Operators on Farms With	
			One Operator	Two or More Operators
<b>Alberta</b>	<b>40,638</b>	<b>57,600</b>	<b>23,220</b>	<b>34,385</b>
<b>Lower Peace</b>	<b>1,134</b>	<b>1,485</b>	<b>770</b>	<b>715</b>
Mackenzie County	610	770	435	335
Northern Lights County	375	505	245	260
Northern Sunrise County	149	210	90	125
<b>Lower Athabasca</b>	<b>894</b>	<b>1,310</b>	<b>480</b>	<b>830</b>
Bonnyville No. 87	650	960	340	620
Lac la Biche County	238	345	135	210
Wood Buffalo	6	5	5	0
<b>Upper Peace</b>	<b>3,347</b>	<b>4,795</b>	<b>1,870</b>	<b>2,920</b>
Birch Hills County	182	270	95	175
Clear Hills	390	545	230	320
Fairview No. 136	202	275	125	155
Grande Prairie County No. 1	1,113	1,600	610	990
Greenview No. 16	534	805	265	535
Peace No. 135	129	175	80	100
Saddle Hills County	381	525	230	300
Smoky River No. 130	306	445	170	275
Spirit River No. 133	110	150	75	75
<b>Upper Athabasca</b>	<b>4,143</b>	<b>6,075</b>	<b>2,210</b>	<b>3,865</b>
Athabasca County	650	940	365	580
Barrhead County No. 11	681	1,000	355	650
Big Lakes	306	440	175	255
Lac Ste. Anne County	794	1,160	435	725
Lesser Slave River No. 124	131	195	65	135
Westlock County	744	1,080	395	685
Woodlands County	226	330	125	210
Yellowhead County	611	930	300	635

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 34.1: Number of Farm Operators, 2016**

	Total Number of Farms	Total Number of Operators	Number of Operators on Farms With	
			One Operator	Two or More Operators
<b>North Saskatchewan</b>	<b>13,097</b>	<b>18,500</b>	<b>7,635</b>	<b>10,865</b>
Beaver County	631	875	385	495
Brazeau County	426	660	190	470
Camrose County	962	1,380	540	840
Clearwater County	1,013	1,490	535	960
Edmonton	133	175	90	80
Flagstaff County	638	860	400	460
Lamont County	689	920	450	470
Leduc County	1,088	1,590	600	985
Minburn County No. 27	594	790	395	390
Parkland County	679	1,005	360	640
Provost No. 52	410	540	265	275
Smoky Lake County	419	570	265	300
St. Paul County No. 19	680	965	390	570
Strathcona County	579	850	320	530
Sturgeon County	730	1,030	425	610
Thorhild County No. 7	382	555	215	335
Two Hills County No. 21	503	685	325	365
Vermilion River County	1,052	1,440	640	800
Wainwright No. 61	535	740	315	425
Wetaskiwin County No. 10	954	1,385	525	855
<b>Red Deer</b>	<b>8,439</b>	<b>12,075</b>	<b>4,650</b>	<b>7,425</b>
Kneehill County	700	945	405	545
Lacombe County	1,034	1,485	570	915
Mountain View County	1,542	2,240	805	1,435
Paintearth County No. 18	402	570	235	330
Ponoka County	1,097	1,580	615	965
Red Deer County	1,460	2,135	765	1,375
Special Area No. 2	460	675	240	430
Special Area No. 3	448	605	275	330
Special Area No. 4	284	405	160	245
Starland County	309	435	185	255
Stettler County No. 6	703	1,000	395	600

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 34.1: Number of Farm Operators, 2016**

	Total Number of Farms	Total Number of Operators	Number of Operators on Farms With	
			One Operator	Two or More Operators
<b>South Saskatchewan</b>	<b>9,584</b>	<b>13,360</b>	<b>5,605</b>	<b>7,755</b>
Bighorn No. 8	54	80	30	50
Calgary	145	180	100	90
Cardston County	475	690	275	410
Cypress County	805	1,115	470	645
Foothills No. 31	1,083	1,565	590	975
Forty Mile County No. 8	498	695	295	405
Lethbridge County	906	1,220	575	650
Newell County	668	920	385	535
Pincher Creek No. 9	439	655	230	430
Ranchland No. 66	68	100	35	65
Rocky View County	1,135	1,600	655	940
Taber	633	870	395	475
Vulcan County	608	825	360	465
Warner County No. 5	462	620	300	320
Wheatland County	810	1,105	470	635
Willow Creek No. 26	795	1,115	440	670

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 35.1: Farm Operators Classified by Sex, 2016**

	Number of Operators on All Farms			Number of Operators on Farms with One Operator		Number of Operators on Farms with Two or More Operators	
	Total	Male	Female	Male	Female	Male	Female
<b>Alberta</b>	<b>57,600</b>	<b>39,845</b>	<b>17,760</b>	<b>20,415</b>	<b>2,810</b>	<b>19,430</b>	<b>14,950</b>
<b>Lower Peace</b>	<b>1,485</b>	<b>1,140</b>	<b>340</b>	<b>725</b>	<b>45</b>	<b>420</b>	<b>300</b>
Mackenzie County	770	615	155	420	10	195	140
Northern Lights County	505	365	135	225	20	140	120
Northern Sunrise County	210	160	50	80	10	80	45
<b>Lower Athabasca</b>	<b>1,310</b>	<b>885</b>	<b>425</b>	<b>420</b>	<b>55</b>	<b>465</b>	<b>370</b>
Bonnyville No. 87	960	640	320	300	40	340	280
Lac la Biche County	345	240	100	120	15	120	85
Wood Buffalo	5	5	5	0	5	0	5
<b>Upper Peace</b>	<b>4,795</b>	<b>3,305</b>	<b>1,490</b>	<b>1,690</b>	<b>185</b>	<b>1,615</b>	<b>1,310</b>
Birch Hills County	270	190	80	85	5	100	75
Clear Hills	545	390	160	210	20	175	140
Fairview No. 136	275	190	90	105	15	85	70
Grande Prairie County No. 1	1,600	1,100	505	565	50	540	455
Greenview No. 16	805	510	290	220	45	295	245
Peace No. 135	175	120	60	65	10	50	50
Saddle Hills County	525	365	160	205	25	165	135
Smoky River No. 130	445	325	115	160	10	170	105
Spirit River No. 133	150	105	35	65	5	45	30
<b>Upper Athabasca</b>	<b>6,075</b>	<b>4,015</b>	<b>2,065</b>	<b>1,920</b>	<b>285</b>	<b>2,095</b>	<b>1,775</b>
Athabasca County	940	640	300	320	40	315	260
Barrhead County No. 11	1,000	665	340	315	40	355	300
Big Lakes	440	295	140	155	25	140	120
Lac Ste. Anne County	1,160	750	410	370	65	385	340
Lesser Slave River No. 124	195	130	65	55	5	75	60
Westlock County	1,080	735	345	355	45	385	300
Woodlands County	330	215	115	110	15	110	95
Yellowhead County	930	580	350	250	50	330	305

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

**Table 35.1: Farm Operators Classified by Sex, 2016**

	Number of Operators on All Farms			Number of Operators on Farms with One Operator		Number of Operators on Farms with Two or More Operators	
	Total	Male	Female	Male	Female	Male	Female
<b>North Saskatchewan</b>	<b>18,500</b>	<b>12,860</b>	<b>5,640</b>	<b>6,750</b>	<b>885</b>	<b>6,110</b>	<b>4,755</b>
Beaver County	875	635	235	345	35	290	205
Brazeau County	660	400	260	160	30	245	225
Camrose County	1,380	950	425	480	55	465	370
Clearwater County	1,490	935	555	435	90	495	465
Edmonton	175	125	55	75	20	45	35
Flagstaff County	860	640	225	365	35	275	185
Lamont County	920	670	250	405	45	265	205
Leduc County	1,590	1,110	480	550	55	560	425
Minburn County No. 27	790	595	190	370	30	225	165
Parkland County	1,005	675	330	315	50	355	285
Provost No. 52	540	420	125	240	20	175	105
Smoky Lake County	570	405	160	235	35	170	130
St. Paul County No. 19	965	655	310	350	40	310	260
Strathcona County	850	545	305	255	65	290	240
Sturgeon County	1,030	730	305	370	60	360	250
Thorhild County No. 7	555	390	160	200	15	190	150
Two Hills County No. 21	685	500	185	290	35	210	150
Vermilion River County	1,440	1,020	415	570	65	450	345
Wainwright No. 61	740	530	210	285	35	250	175
Wetaskiwin County No. 10	1,385	930	455	455	70	470	385
<b>Red Deer</b>	<b>12,075</b>	<b>8,195</b>	<b>3,880</b>	<b>4,035</b>	<b>615</b>	<b>4,160</b>	<b>3,265</b>
Kneehill County	945	680	265	365	40	320	225
Lacombe County	1,485	995	490	495	80	505	405
Mountain View County	2,240	1,450	795	680	125	770	665
Paintearth County No. 18	570	400	170	210	25	190	145
Ponoka County	1,580	1,065	520	520	100	545	420
Red Deer County	2,135	1,430	700	660	105	770	595
Special Area No. 2	675	440	230	210	35	235	195
Special Area No. 3	605	440	165	250	30	195	135
Special Area No. 4	405	290	120	145	10	140	105
Starland County	435	310	130	160	20	150	105
Stettler County No. 6	1,000	695	305	350	45	345	260

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.



**Table 35.1: Farm Operators Classified by Sex, 2016**

	Number of Operators on All Farms			Number of Operators on Farms with One Operator		Number of Operators on Farms with Two or More Operators	
	Total	Male	Female	Male	Female	Male	Female
<b>South Saskatchewan</b>	<b>13,360</b>	<b>9,445</b>	<b>3,920</b>	<b>4,870</b>	<b>730</b>	<b>4,570</b>	<b>3,185</b>
Bighorn No. 8	80	55	25	25	5	25	20
Calgary	180	125	60	75	20	45	40
Cardston County	690	500	185	245	35	255	155
Cypress County	1,115	790	330	415	55	375	275
Foothills No. 31	1,565	1,015	555	485	105	530	445
Forty Mile County No. 8	695	540	150	270	20	270	135
Lethbridge County	1,220	940	280	520	50	415	235
Newell County No. 4	920	645	280	345	40	300	240
Pincher Creek No. 9	655	435	225	195	35	235	190
Ranchland No. 66	100	65	40	30	10	35	30
Rocky View County	1,600	1,035	560	520	140	520	420
Taber	870	660	205	360	40	305	170
Vulcan County	825	620	205	320	40	300	165
Warner County No. 5	620	485	130	285	20	205	110
Wheatland County	1,105	775	330	410	60	365	270
Willow Creek No. 26	1,115	760	350	370	70	390	280

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

0 - True zero or a value rounded to zero. Totals may not add up due to rounding. Refer to census definitions and notes for more information.

Table 36.1: Farm Operators Classified by Age Groups, 2016

	Total Number of Operators	Number of Operators on All Farms				Number of Operators on Farms with One Operator				Number of Operators on Farms with Two or More Operators			
		Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)
<b>Alberta</b>	<b>57,600</b>	<b>4,910</b>	<b>20,150</b>	<b>32,540</b>	<b>55.7</b>	<b>1,890</b>	<b>7,625</b>	<b>13,700</b>	<b>56.6</b>	<b>3,020</b>	<b>12,525</b>	<b>18,835</b>	<b>55.0</b>
<b>Lower Peace</b>	<b>1,485</b>	<b>210</b>	<b>655</b>	<b>620</b>	<b>51.0</b>	<b>120</b>	<b>340</b>	<b>310</b>	<b>50.7</b>	<b>95</b>	<b>315</b>	<b>310</b>	<b>51.4</b>
Mackenzie County	770	155	400	220	46.8	95	230	110	46.2	60	170	105	47.6
Northern Lights County	505	40	175	290	55.9	20	75	150	57.1	20	100	140	54.9
Northern Sunrise County	210	20	80	110	54.9	5	35	45	55.6	15	45	65	54.4
<b>Lower Athabasca</b>	<b>1,310</b>	<b>85</b>	<b>470</b>	<b>760</b>	<b>56.6</b>	<b>35</b>	<b>165</b>	<b>285</b>	<b>57.4</b>	<b>55</b>	<b>305</b>	<b>475</b>	<b>56.2</b>
Bonnyville No. 87	960	70	350	545	56.3	25	120	195	57.2	45	230	350	55.8
Lac la Biche County	345	15	120	205	57.5	10	45	85	57.7	10	75	120	57.3
Wood Buffalo	5	0	0	5	58.4	0	0	5	55.8	0	0	5	61.0
<b>Upper Peace</b>	<b>4,795</b>	<b>455</b>	<b>1,745</b>	<b>2,595</b>	<b>54.8</b>	<b>160</b>	<b>665</b>	<b>1,045</b>	<b>55.7</b>	<b>295</b>	<b>1,080</b>	<b>1,545</b>	<b>54.2</b>
Birch Hills County	270	20	120	135	54.4	5	45	50	55.7	10	75	90	53.6
Clear Hills	545	65	185	295	54.4	20	75	135	56.3	40	115	160	53.1
Fairview No. 136	275	20	100	160	55.9	10	40	75	55.8	10	55	85	56.0
Grande Prairie County No. 1	1,600	130	575	895	55.2	40	220	350	56.3	90	355	550	54.5
Greenview No. 16	805	75	285	445	55.5	30	85	155	56.5	45	200	290	55.0
Peace No. 135	175	15	60	105	55.4	5	25	45	55.8	10	35	60	55.0
Saddle Hills County	525	75	165	285	54.3	30	75	125	55.4	50	85	165	53.4
Smoky River No. 130	445	50	200	195	52.1	20	70	75	52.3	30	125	120	52.0
Spirit River No. 133	150	10	60	80	55.0	5	30	35	55.0	10	30	40	54.9
<b>Upper Athabasca</b>	<b>6,075</b>	<b>410</b>	<b>2,160</b>	<b>3,505</b>	<b>56.5</b>	<b>130</b>	<b>750</b>	<b>1,330</b>	<b>57.7</b>	<b>270</b>	<b>1,420</b>	<b>2,175</b>	<b>55.8</b>
Athabasca County	940	45	315	580	57.6	10	135	220	58.4	35	180	360	57.1
Barrhead County No. 11	1,000	95	400	510	54.3	35	130	180	55.3	60	265	325	53.7
Big Lakes	440	30	155	250	56.8	10	55	115	58.7	25	95	140	55.5
Lac Ste. Anne County	1,160	75	410	675	56.5	20	135	280	59.1	60	275	390	54.9
Lesser Slave River No. 124	195	5	60	130	59.0	0	15	45	60.7	5	45	80	58.1
Westlock County	1,080	85	385	615	56.1	35	135	220	55.9	45	250	385	56.2
Woodlands County	330	20	110	200	56.8	10	40	75	57.4	15	70	120	56.5
Yellowhead County	930	50	325	560	57.3	15	95	190	58.9	35	230	370	56.6

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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Table 36.1: Farm Operators Classified by Age Groups, 2016

	Total Number of Operators	Number of Operators on All Farms				Number of Operators on Farms with One Operator				Number of Operators on Farms with Two or More Operators			
		Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)
<b>North Saskatchewan</b>	<b>18,500</b>	<b>1,410</b>	<b>6,360</b>	<b>10,730</b>	<b>56.3</b>	<b>550</b>	<b>2,430</b>	<b>4,655</b>	<b>57.5</b>	<b>860</b>	<b>3,935</b>	<b>6,070</b>	<b>55.5</b>
Beaver County	875	55	320	495	56.2	25	125	235	57.3	30	200	260	55.3
Brazeau County	660	25	225	405	58.2	5	45	135	60.8	25	180	270	57.1
Camrose County	1,380	110	510	760	55.2	55	190	305	55.9	55	325	460	54.8
Clearwater County	1,490	90	470	930	57.7	25	150	355	59.6	65	320	570	56.6
Edmonton	175	10	60	100	58.0	10	30	50	56.3	5	30	55	59.9
Flagstaff County	860	90	295	485	55.1	35	130	235	55.6	50	165	250	54.7
Lamont County	920	80	280	555	57.2	30	125	290	59.2	55	155	265	55.3
Leduc County	1,590	115	555	920	56.7	45	195	365	58.0	65	365	555	55.9
Minburn County No. 27	790	70	285	430	55.4	40	150	210	55.6	30	145	220	55.2
Parkland County	1,005	60	340	610	57.0	20	110	235	58.4	40	230	375	56.1
Provost No. 52	540	45	210	295	55.8	20	100	140	55.7	25	100	150	55.9
Smoky Lake County	570	50	200	320	56.0	20	80	165	57.5	25	120	150	54.6
St. Paul County No. 19	965	55	355	565	56.6	25	110	260	58.3	35	235	305	55.4
Strathcona County	850	55	265	530	57.8	15	95	210	59.5	40	170	330	56.8
Sturgeon County	1,030	65	340	625	57.5	25	135	270	58.5	40	210	350	56.8
Thorhild County No. 7	555	50	185	325	56.0	20	60	135	57.9	30	120	185	54.9
Two Hills County No. 21	685	65	245	375	55.3	20	120	180	57.3	50	125	190	53.6
Vermilion River County	1,440	140	485	815	55.0	55	205	380	55.8	80	285	440	54.3
Wainwright No. 61	740	80	250	400	54.2	40	100	170	54.2	40	145	230	54.2
Wetaskiwin County No. 10	1,385	105	480	800	56.4	25	165	335	58.9	80	315	465	55.0
<b>Red Deer</b>	<b>12,075</b>	<b>1,145</b>	<b>4,220</b>	<b>6,700</b>	<b>55.1</b>	<b>425</b>	<b>1,505</b>	<b>2,715</b>	<b>56.1</b>	<b>725</b>	<b>2,715</b>	<b>3,985</b>	<b>54.4</b>
Kneehill County	945	95	350	500	54.5	40	145	220	55.1	55	205	280	54.1
Lacombe County	1,485	140	510	830	55.1	55	165	350	57.1	85	340	480	53.9
Mountain View County	2,240	150	765	1,320	56.3	55	240	505	57.6	90	525	820	55.5
Paintearth County No. 18	570	70	205	290	53.3	25	85	130	54.3	45	120	165	52.6
Ponoka County	1,580	160	535	885	55.0	55	180	380	56.9	105	355	500	53.8
Red Deer County	2,135	180	765	1,190	55.7	70	260	445	56.6	115	505	750	55.3
Special Area No. 2	675	70	235	370	53.9	25	80	135	54.0	45	155	235	53.9
Special Area No. 3	605	80	210	315	52.8	30	100	150	54.5	50	115	165	51.4
Special Area No. 4	405	55	150	200	53.5	10	65	80	54.5	35	85	125	52.9
Starland County	435	50	145	240	55.0	15	60	100	55.7	35	85	135	54.5
Stettler County No. 6	1,000	100	345	550	55.1	45	130	220	55.0	60	220	325	55.2

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 36.1: Farm Operators Classified by Age Groups, 2016**

	Total Number of Operators	Number of Operators on All Farms				Number of Operators on Farms with One Operator				Number of Operators on Farms with Two or More Operators			
		Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)	Under 35 Years	35-54 Years	55 Years and Over	Average Age (Years)
<b>South Saskatchewan</b>	<b>13,360</b>	<b>1,190</b>	<b>4,535</b>	<b>7,630</b>	<b>55.7</b>	<b>470</b>	<b>1,780</b>	<b>3,355</b>	<b>56.5</b>	<b>725</b>	<b>2,760</b>	<b>4,275</b>	<b>55.0</b>
Bighorn No. 8	80	5	20	55	58.4	5	5	20	56.4	5	10	35	59.6
Calgary	180	20	65	100	54.6	10	40	50	54.9	15	25	45	54.2
Cardston County	690	50	210	425	57.2	25	75	185	58.0	25	140	240	56.7
Cypress County	1,115	125	390	600	54.4	55	145	270	55.8	70	255	325	53.5
Foothills No. 31	1,565	80	445	1,045	58.5	35	150	405	59.5	45	290	640	58.0
Forty Mile County No. 8	695	100	265	335	52.6	25	125	140	54.4	70	140	190	51.3
Lethbridge County	1,220	140	505	580	53.0	50	230	290	53.8	85	280	285	52.2
Newell County No. 4	920	65	355	495	54.8	35	135	220	54.8	35	220	280	54.7
Pincher Creek No. 9	655	40	195	420	58.3	15	65	150	58.9	25	130	270	57.9
Ranchland No. 66	100	5	35	60	58.1	0	5	30	58.1	0	25	35	58.1
Rocky View County	1,600	95	455	1,055	58.6	30	180	445	59.9	60	275	605	57.7
Taber	870	95	325	455	53.8	40	135	215	55.0	50	185	235	52.8
Vulcan County	825	95	295	435	53.9	40	105	215	55.4	55	195	215	52.7
Warner County No. 5	620	65	190	360	55.0	25	95	180	55.8	45	90	185	54.2
Wheatland County	1,105	100	400	605	55.1	40	150	280	56.0	60	250	330	54.4
Willow Creek No. 26	1,115	110	390	610	55.1	35	145	260	56.2	70	250	350	54.5

Source: Statistics Canada, 2016 Census of Agriculture. Prepared by Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section.

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**Table 37.1: Farm Operators Classified by On-Farm and Non-Farm Work, 2015**

	Total Number of Operators	Number of Operators Reporting On-Farm Work (1)				Number of Operators Reporting Paid Non-Farm Work (1)				
		Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours	No Paid Non-Farm Work	Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours
<b>Alberta</b>	<b>57,600</b>	<b>18,905</b>	<b>9,690</b>	<b>8,690</b>	<b>20,325</b>	<b>30,360</b>	<b>5,360</b>	<b>3,855</b>	<b>8,195</b>	<b>9,830</b>
<b>Lower Peace</b>	<b>1,485</b>	<b>450</b>	<b>285</b>	<b>240</b>	<b>515</b>	<b>635</b>	<b>165</b>	<b>125</b>	<b>225</b>	<b>335</b>
Mackenzie County	770	245	160	120	245	285	85	65	125	215
Northern Lights County	505	145	90	85	185	245	60	40	75	85
Northern Sunrise County	210	60	35	35	75	110	25	20	20	40
<b>Lower Athabasca</b>	<b>1,310</b>	<b>475</b>	<b>190</b>	<b>205</b>	<b>435</b>	<b>625</b>	<b>125</b>	<b>100</b>	<b>210</b>	<b>260</b>
Bonnyville No. 87	960	350	140	150	315	455	85	75	160	185
Lac la Biche County	345	125	45	55	120	170	40	20	45	70
Wood Buffalo	5	0	5	0	0	0	5	0	5	5
<b>Upper Peace</b>	<b>4,795</b>	<b>1,555</b>	<b>860</b>	<b>740</b>	<b>1,640</b>	<b>2,425</b>	<b>495</b>	<b>340</b>	<b>660</b>	<b>875</b>
Birch Hills County	270	60	50	50	110	170	25	15	25	30
Clear Hills	545	170	105	85	190	250	60	40	80	115
Fairview No. 136	275	85	40	30	115	145	25	20	35	50
Grande Prairie County No. 1	1,600	625	305	215	460	730	155	135	240	345
Greenview No. 16	805	280	150	135	240	400	80	50	115	155
Peace No. 135	175	45	25	25	85	100	25	15	15	25
Saddle Hills County	525	145	95	100	190	250	55	40	90	85
Smoky River No. 130	445	105	60	75	195	295	35	25	45	40
Spirit River No. 133	150	40	25	25	60	75	20	5	15	30
<b>Upper Athabasca</b>	<b>6,075</b>	<b>2,035</b>	<b>1,065</b>	<b>1,000</b>	<b>1,975</b>	<b>3,035</b>	<b>535</b>	<b>420</b>	<b>970</b>	<b>1,125</b>
Athabasca County	940	320	160	150	310	455	75	75	165	170
Barrhead County No. 11	1,000	335	175	145	350	510	90	80	155	175
Big Lakes	440	130	70	85	150	220	30	40	65	75
Lac Ste. Anne County	1,160	390	215	195	360	545	105	65	215	230
Lesser Slave River No. 124	195	65	45	30	55	100	15	15	35	35
Westlock County	1,080	335	170	175	400	620	90	60	155	155
Woodlands County	330	115	65	55	95	145	35	25	50	75
Yellowhead County	930	340	170	160	255	435	90	60	135	200

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**Table 37.1: Farm Operators Classified by On-Farm and Non-Farm Work, 2015**

	Total Number of Operators	Number of Operators Reporting On-Farm Work (1)				Number of Operators Reporting Paid Non-Farm Work (1)				
		Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours	No Paid Non-Farm Work	Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours
<b>North Saskatchewan</b>	<b>18,500</b>	<b>6,180</b>	<b>3,270</b>	<b>2,930</b>	<b>6,120</b>	<b>9,450</b>	<b>1,750</b>	<b>1,240</b>	<b>2,805</b>	<b>3,250</b>
Beaver County	875	250	160	145	320	480	60	50	130	145
Brazeau County	660	265	150	95	150	290	70	60	115	120
Camrose County	1,380	435	265	200	470	710	140	90	195	245
Clearwater County	1,490	555	270	260	405	710	175	115	220	270
Edmonton	175	80	30	20	40	100	15	15	20	25
Flagstaff County	860	210	120	155	380	500	80	50	120	110
Lamont County	920	305	170	165	280	475	70	60	140	175
Leduc County	1,590	550	300	250	495	785	170	105	260	270
Minburn County No. 27	790	240	140	120	290	400	65	60	130	135
Parkland County	1,005	345	190	165	305	465	120	60	160	200
Provost No. 52	540	165	70	95	220	280	65	30	75	90
Smoky Lake County	570	165	105	95	205	305	40	20	100	100
St. Paul County No. 19	965	295	160	175	340	485	90	80	160	150
Strathcona County	850	415	155	100	180	415	85	50	125	170
Sturgeon County	1,030	450	170	145	265	525	90	70	175	180
Thorhild County No. 7	555	185	105	90	175	285	40	30	85	115
Two Hills County No. 21	685	200	105	120	260	375	45	40	105	125
Vermilion River County	1,440	420	245	215	550	780	110	90	210	245
Wainwright No. 61	740	200	105	125	310	380	75	50	95	140
Wetaskiwin County No. 10	1,385	445	255	210	480	710	150	110	185	230
<b>Red Deer</b>	<b>12,075</b>	<b>3,860</b>	<b>2,035</b>	<b>1,700</b>	<b>4,480</b>	<b>6,475</b>	<b>1,095</b>	<b>800</b>	<b>1,645</b>	<b>2,060</b>
Kneehill County	945	280	140	140	385	565	95	60	105	120
Lacombe County	1,485	510	260	190	525	840	120	100	190	235
Mountain View County	2,240	830	420	320	670	1,070	210	185	330	445
Paintearth County No. 18	570	155	95	80	235	270	70	45	90	95
Ponoka County	1,580	515	295	225	550	820	145	100	230	280
Red Deer County	2,135	765	375	280	710	1,105	210	125	325	380
Special Area No. 2	675	150	100	105	325	395	40	40	85	110
Special Area No. 3	605	160	80	80	285	350	40	40	70	105
Special Area No. 4	405	80	50	60	215	230	35	30	45	65
Starland County	435	120	55	75	190	275	35	25	55	50
Stettler County No. 6	1,000	305	160	140	395	555	90	60	125	165

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**Table 37.1: Farm Operators Classified by On-Farm and Non-Farm Work, 2015**

	Total Number of Operators	Number of Operators Reporting On-Farm Work (1)				Number of Operators Reporting Paid Non-Farm Work (1)				
		Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours	No Paid Non-Farm Work	Less than 20 Hours	20-29 Hours	30-40 Hours	More than 40 Hours
<b>South Saskatchewan</b>	<b>13,360</b>	<b>4,345</b>	<b>1,985</b>	<b>1,870</b>	<b>5,155</b>	<b>7,720</b>	<b>1,190</b>	<b>835</b>	<b>1,680</b>	<b>1,935</b>
Bighorn No. 8	80	35	15	5	25	35	10	10	10	20
Calgary	180	95	30	20	35	85	20	10	35	30
Cardston County	690	230	100	100	250	360	75	40	120	90
Cypress County	1,115	315	180	160	460	610	85	70	170	185
Foothills No. 31	1,565	695	280	175	415	810	160	120	210	280
Forty Mile County No. 8	695	155	60	100	385	505	45	30	55	55
Lethbridge County	1,220	405	145	145	525	725	85	80	140	195
Newell County No. 4	920	235	125	135	430	565	85	50	100	115
Pincher Creek No. 9	655	230	110	95	215	355	55	40	95	110
Ranchland No. 66	100	40	15	5	35	65	5	5	15	10
Rocky View County	1,600	635	290	215	460	835	165	125	225	250
Taber	870	185	100	125	460	600	75	35	60	95
Vulcan County	825	235	110	115	370	520	70	40	100	100
Warner County No. 5	620	170	85	90	275	380	55	40	75	75
Wheatland County	1,105	360	150	185	405	645	105	60	145	160
Willow Creek No. 26	1,115	320	180	190	415	615	110	80	135	175

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**STEP 7** Are any **VEGETABLES** grown on this operation for sale?

- ◆ Do not include land used by others.
- ◆ For potatoes, dry field peas and all dry beans, report in STEP 6.
- ◆ For greenhouse vegetables, report in STEP 19.
- ☐ No → Go to STEP 8
- ☐ Yes →
  - Report the total area planted or to be planted in 2016.
  - Report in the same unit of measure as in STEP 4.

Example: An operation grows 7 1/3 acres of sweet corn for sale.  
This area would be reported as: .....

Area in 2016	
	Fraction
7	1/3

	Area in 2016	Fraction		Area in 2016	Fraction
45. Sweet corn .....	<input type="text"/>	<input type="text"/>	58. Radishes .....	<input type="text"/>	<input type="text"/>
46. Tomatoes .....	<input type="text"/>	<input type="text"/>	59. Shallots and green onions .....	<input type="text"/>	<input type="text"/>
47. Cucumbers (all varieties) .....	<input type="text"/>	<input type="text"/>	60. Dry onions, yellow, Spanish, cooking, etc. ....	<input type="text"/>	<input type="text"/>
48. Green peas (Report dry field peas in question 27, on page 4.) .....	<input type="text"/>	<input type="text"/>	61. Celery .....	<input type="text"/>	<input type="text"/>
49. Green and wax beans .....	<input type="text"/>	<input type="text"/>	62. Lettuce (all head and leaf varieties) .....	<input type="text"/>	<input type="text"/>
50. Cabbage (Report Chinese cabbage below.) .....	<input type="text"/>	<input type="text"/>	63. Spinach .....	<input type="text"/>	<input type="text"/>
51. Chinese cabbage .....	<input type="text"/>	<input type="text"/>	64. Peppers .....	<input type="text"/>	<input type="text"/>
52. Cauliflower .....	<input type="text"/>	<input type="text"/>	65. Pumpkins .....	<input type="text"/>	<input type="text"/>
53. Broccoli .....	<input type="text"/>	<input type="text"/>	66. Squash and zucchini .....	<input type="text"/>	<input type="text"/>
54. Brussels sprouts .....	<input type="text"/>	<input type="text"/>	67. Asparagus, producing ...	<input type="text"/>	<input type="text"/>
55. Carrots (including baby carrots) .....	<input type="text"/>	<input type="text"/>	68. Asparagus, non-producing .....	<input type="text"/>	<input type="text"/>
56. Rutabagas and turnips .....	<input type="text"/>	<input type="text"/>	69. Other vegetables (herbs, rhubarb, melons, garlic, gourds, etc.) — Specify: .....	<input type="text"/>	<input type="text"/>
57. Beets .....	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>
Continue to next column			Continue to next column		
70. TOTAL area of vegetables (Total of questions 45 to 69) .....			70. TOTAL area of vegetables (Total of questions 45 to 69) .....		

1505

5

**STEP 8** Are any **FRUITS, BERRIES** or **NUTS** grown on this operation for sale?

- ◆ Do not include land used by others.
- ☐ No → Go to STEP 9
- ☐ Yes → Report in the same unit of measure as in STEP 4.

	Area in 2016 (producing and non-producing)	Fraction		Area in 2016 (producing and non-producing)	Fraction
71. Apples .....	<input type="text"/>	<input type="text"/>	80. Raspberries .....	<input type="text"/>	<input type="text"/>
72. Pears .....	<input type="text"/>	<input type="text"/>	81. Cranberries .....	<input type="text"/>	<input type="text"/>
73. Plums and prunes .....	<input type="text"/>	<input type="text"/>	82. Blueberries (highbush blueberries and wild blueberries grown on managed land) .....	<input type="text"/>	<input type="text"/>
74. Cherries (sweet) .....	<input type="text"/>	<input type="text"/>	83. Saskatoons .....	<input type="text"/>	<input type="text"/>
75. Cherries (sour) .....	<input type="text"/>	<input type="text"/>	84. Other fruits, berries or nuts (nectarines, currants, blackberries, hazelnuts, etc.) Specify: .....	<input type="text"/>	<input type="text"/>
76. Peaches .....	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>
77. Apricots .....	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>
78. Grapes .....	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>
79. Strawberries .....	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>
Continue to next column			Continue to next column		
85. TOTAL area of fruits, berries and nuts (Total of questions 71 to 84) .....			85. TOTAL area of fruits, berries and nuts (Total of questions 71 to 84) .....		

**STEP 9** Are any **SOD, NURSERY PRODUCTS** or **CHRISTMAS TREES** grown on this operation for sale?

- ◆ For greenhouse products, report in STEP 19.
- ☐ No → Go to STEP 10
- ☐ Yes → Report the total area under cultivation in 2016.

	Area in 2016
86. TOTAL area of SOD under cultivation for sale .....	<input type="text"/>
87. TOTAL area of NURSERY products grown for sale (shrubs, trees, vines, ornamentals, bulbs, etc., grown out-of-doors, or in cold frames or tunnels) .....	<input type="text"/>
88. TOTAL area of CHRISTMAS TREES grown for sale (include naturally established or planted areas, regardless of stage of growth. Only include areas that are pruned or managed with the use of fertilizer or pesticides.) .....	<input type="text"/>

1505

6

**STEP 10 LAND USE**

- ◆ Do not include land used by others.

Area in 2016

89. Enter the NET AREA from question 17 on page 3

Report below how the area in question 89 is used.

90. Sum of all areas reported for field crops and hay, vegetables, fruits, berries, nuts, sod, nursery products and Christmas trees  
(Total of questions 44, 70, 85, 86, 87 and 88)

Area in 2016

91. Summerfallow (Include cropland on which no crops will be grown during the year but that will have weeds controlled by tillage or chemical application.)

92. Tame or seeded pasture (Do not include areas to be harvested for hay, silage or seed.)

93. Natural land for pasture (Include woodland used as pasture.)

94. Woodlands and wetlands (woodlots, sugarbush, tree windbreaks, bush, ponds, bogs, marshes, sloughs, etc.)

95. All other land (idle land, land on which farm buildings, barnyards, lanes, home gardens, greenhouses and mushroom houses are located)

96. TOTAL of questions 90 to 95 (This total should equal the NET AREA reported in question 89.)

**STEP 11 If SUMMERFALLOW was reported in question 91, what is the area on which each of the following forms of weed control will be used in 2016:**

Area in 2016

97. • Chemfallow only

• Summerfallow, tilled only

• Chemical and tillage weed control on the same land (Do not include area already reported as "Chemfallow only" or "Summerfallow, tilled only")

**STEP 12 For the LAND SEEDED or TO BE SEEDED, report the area of each of the following practices:**

- ◆ Include the area that was prepared last fall or this spring.  
◆ Do not include land in summerfallow this year.

Area

98. • No-till seeding or zero-till seeding (Include direct seeding into undisturbed stubble or sod.)

• Tillage that retains most of the crop residue on the surface  
(Include minimum tillage.)

• Tillage that incorporates most of the crop residue into the soil

1507

7

**STEP 13 In 2015, did this operation**

99. practise in-field winter grazing or feeding? ☐ No ☐ Yes  
100. practise rotational grazing? ☐ No ☐ Yes  
101. plow down green crops? ☐ No ☐ Yes  
102. have winter cover crops (including fall rye, winter wheat, red clover, etc.)? ☐ No ☐ Yes  
103. have windbreaks or shelterbelts (natural or planted)? ☐ No ☐ Yes

**STEP 14 In 2015, what was the area of this operation from which CROP RESIDUE (straw, stover, stalks) was BALED for bedding or sale?**

- ◆ Include residue from small grains and oilseeds, and corn stalks.  
◆ Do not include hay, corn silage or other forages.

Area in 2015

104. Report the area from which crop residue was baled in 2015

**STEP 15 In 2015, were HERBICIDES, INSECTICIDES, FUNGICIDES, COMMERCIAL FERTILIZER, LIME, TRACE MINERALS or NUTRIENTS used on this operation?**

- ◆ Do not include • greenhouse or mushroom areas;  
• treated seed.  
☐ No → Go to STEP 16  
☐ Yes → Report land areas only once for each input, even if there was more than one application in 2015

105. Report the area of land on which each of the following inputs was used on this operation in 2015:

Area in 2015

Area in 2015

Herbicides

Insecticides

Fungicides

Commercial fertilizer

Lime

Trace minerals and nutrients  
(copper, manganese, etc.)**STEP 16 In 2015, was MANURE applied on this operation?**

- ☐ No → Go to STEP 17  
☐ Yes

106. Report the area of land for each method of application:

Area in 2015

Area in 2015

Solid or composted manure,  
incorporated into soilSolid or composted manure,  
not incorporatedLiquid manure, injected or  
incorporated into soilLiquid manure,  
not incorporated

1508

8

**STEP 17** In 2015, was an IRRIGATION system used on this operation to APPLY WATER ON LAND?

- ◆ Include all methods of irrigation (pivot, sprinklers, surface, side or wheel rolls, drip, etc.)
- ◆ Do not include greenhouse or mushroom areas.

☐ No → Go to STEP 18  
☐ Yes

Area irrigated  
in 2015

107. Report the total area of land irrigated in 2015

**STEP 18** Does this operation produce any ORGANIC products for sale?

- ◆ Include certified products or those in the process of becoming certified.

☐ No → Go to STEP 19  
☐ Yes

108. What is the status of the organic products in 2016?

(Fill in all applicable circles.)

☐ Certified by an organic certifying body  
☐ Transitional (in the process of becoming certified)

109. Enter the name of the certifying body.

**STEP 19** Are any GREENHOUSE PRODUCTS grown on this operation for sale?

- ◆ For sod, nursery products and Christmas trees, report in STEP 9.
- ◆ For unheated cold frames or tunnels, report these areas in STEP 7 or STEP 8.

☐ No → Go to STEP 20  
☐ Yes

110. Will the area be reported in square feet or square metres?

☐ square feet OR ☐ square metres

Area in 2016

111. TOTAL area under glass, plastic or other protection used for growing plants

Of this total, report the area on May 10, 2016, for each of the following:

Area on May 10, 2016

112. Flowers (cut flowers, ornamental bedding and potted plants, etc.)

113. Greenhouse vegetables

114. Other greenhouse products (vegetable bedding plants, cuttings, tree seedlings, etc.)

Specify:

1509

9

**STEP 20** Are any MUSHROOMS grown on this operation for sale?

☐ No → Go to STEP 21  
☐ Yes

115. Will the area be reported in square feet or square metres?

☐ square feet OR ☐ square metres

Area on May 10, 2016

116. TOTAL growing area (standing footage) for mushrooms on May 10, 2016

**STEP 21** Were any MAPLE TREES TAPPED on this operation in 2016?

☐ No → Go to STEP 22  
☐ Yes

Number of taps  
in 2016

117. TOTAL number of taps made on maple trees in the spring of 2016

**STEP 22** Does this operation own any BEES for honey production or BEES for pollination?

☐ No → Go to STEP 23  
☐ Yes → Report bees owned, regardless of location.

Number of colonies  
on May 10, 2016

118. On May 10, 2016, how many live colonies of honeybees (used for honey production or pollination) are owned by this operation?

119. On May 10, 2016, how many other pollinating bees (leafcutter, blue orchard, bumble, etc.) are owned by this operation?

Select one unit of measure:  
☐ Gallons or  
☐ Number of bees or  
☐ Colonies

Number on May 10, 2016

**STEP 23** In 2015, which of the following TECHNOLOGIES were used on this operation?

- ◆ Include work done by others on this operation.

(Fill in all applicable circles.)

- 120.
- |  |  |
|--|--|
| <input type="checkbox"/> Computers/laptops for farm management   | <input type="checkbox"/> Robotic milking                                     |
| <input type="checkbox"/> Smartphones/tablets for farm management | <input type="checkbox"/> Automated environmental controls for animal housing |
| <input type="checkbox"/> Automated steering (auto-steer)         | <input type="checkbox"/> Automated animal feeding                            |
| <input type="checkbox"/> GPS technology                          | <input type="checkbox"/> Other technology — Specify: <input type="text"/>    |
| <input type="checkbox"/> GIS mapping (e.g., soil mapping)        |  |
| <input type="checkbox"/> Greenhouse automation                   | <input type="checkbox"/> None of the above                                   |

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1510

**STEP 24** On May 10, 2016, are there any **POULTRY** on this operation?

☐ No → Go to STEP 25

☐ Yes →

- Report all poultry on this operation, **regardless of ownership**, including those grown under contract.
- Include poultry for sale and poultry for **personal use**.
- Do not include poultry owned but kept on an operation operated by someone else.

**Chickens for eggs**

121. Pullets intended for laying table eggs, under 19 weeks .....

122. Laying hens that produce table eggs, 19 weeks and over .....

123. Layer and broiler breeders (pullets and hens) .....

**Chickens for meat**

124. Broilers, roasters and Cornish (Report breeders in question 123.) .....

125. **TOTAL hens and chickens** (Total of questions 121 to 124) .....

**Other poultry**

126. Turkeys (all ages) .....

127. Other poultry (geese, ducks, roosters, ostriches, emus, pheasants, quail, pigeons, etc.)  
Specify: .....

**STEP 25** In 2015, were any **CHICKENS or TURKEYS** produced on this operation for sale?

☐ No → Go to STEP 27

☐ Yes → Report the production on a live weight basis.

128. Will production be reported in kilograms or pounds?  
☐ kilograms ☐ pounds

129. Broilers, roasters and Cornish .....

130. Turkeys .....

**STEP 26** In 2015, were any **EGGS** produced on this operation for sale?

☐ No → Go to STEP 27

☐ Yes → Report the number of dozens in 2015.

131. Table eggs (dozens) .....

132. Hatching eggs (dozens) .....

**STEP 27** In 2015, was there a **COMMERCIAL POULTRY HATCHERY** located on this operation?

☐ No → Go to STEP 28

☐ Yes

133. In 2015, how many chicks or other poultry were hatched? .....

1511



11

**STEP 28** On May 10, 2016, are there any **LIVESTOCK** on this operation?

☐ No → Go to STEP 29

☐ Yes →

- Report all animals on this operation, **regardless of ownership**, including those that are boarded, custom-fed or fed under contract.
- Include all animals kept by this operation, **regardless of ownership**, that are **pastured on a community pasture**, grazing co-op or public land.
- Do not include animals owned but kept on a farm, ranch or feedlot operated by someone else.

**CATTLE OR CALVES**

134. Are there any cattle or calves on this operation?

☐ No → Go to question 141

☐ Yes

**Number on May 10, 2016**

135. Calves, under 1 year .....

136. Steers, 1 year and over .....

137. Heifers, 1 year and over:  
• for slaughter or feeding .....   
• for beef herd replacement .....   
• for dairy herd replacement .....

138. Cows:  
• mainly for beef purposes .....   
• mainly for dairy purposes .....

139. Bulls, 1 year and over .....

140. **TOTAL cattle and calves** (Total of questions 135 to 139) .....

**SHEEP OR LAMBS**

148. Are there any sheep or lambs on this operation?

☐ No → Go to question 153

☐ Yes

**Number on May 10, 2016**

149. Rams .....

150. Ewes .....

151. Lambs .....

152. **TOTAL sheep and lambs** (Total of questions 149 to 151) .....

**OTHER LIVESTOCK**

153. Are there any other livestock on this operation?

☐ No → Go to STEP 29

☐ Yes → Report animals of all ages unless otherwise specified.

**Number on May 10, 2016**

154. Horses and ponies .....

155. Goats .....

156. Llamas and alpacas .....

157. Bison (buffalo) .....

158. Elk (wapiti) .....

159. Deer (Do not include wild deer.) .....

160. Rabbits .....

161. Mink (Report breeding stock only.) .....

162. Other livestock (fox, wild boars, donkeys, mules, chinchillas, etc.) — Specify: .....

**PIGS**

141. Are there any pigs on this operation?

☐ No → Go to question 148

☐ Yes

**Number on May 10, 2016**

142. Boars .....

143. Sows and gilts for breeding .....

144. Nursing pigs .....

145. Weaner pigs .....

146. Grower and finishing pigs .....

147. **TOTAL pigs** (Total of questions 142 to 146) .....

12

1512





◆ **Include** • the value of **all land and all structures** such as houses, farm buildings, silos, etc., that are part of this operation;  
• the value of **all fixed equipment** such as bulk tanks, farrowing pens, etc., in farm buildings on this operation.

◆ **Do not include** the value of any land and buildings rented or leased **TO** others.

**163. Estimate the present market value of land and buildings that are:**

• owned ..... \$    ,    ,    .

• rented or leased **FROM** others or governments ..... \$    ,    ,    .

**Present market value  
(dollars only)**

**STEP 30** Answer the following questions about FARM MACHINERY and EQUIPMENT that are owned or leased by this operation as of May 10, 2016.

- ◆ **Include** all farm machinery and equipment owned or leased by this operation or jointly with a different operation.
- ◆ **Do not include** machinery that is rented on a short-term basis (hourly or daily rentals).
- ◆ **Report fixed equipment in STEP 29.**

**Example:** An operation owns one combine, valued at \$100,000, and shares ownership of another combine, valued at \$60,000, equally with another operation. These two combines would be reported as: .....

	Number owned and leased	Fraction	Present market value (owned and leased) (dollars only)
<b>Example:</b> An operation owns one combine, valued at \$100,000, and shares ownership of another combine, valued at \$60,000, equally with another operation. These two combines would be reported as:			
	1	1/2	\$ 130,000
<b>164. Tractors:</b>			
• under 60 p.t.o. hp. (including garden tractors, ATVs, etc.)		/	\$ , , ,
• 60 - 149 p.t.o. hp.		/	\$ , , ,
• over 149 p.t.o. hp.		/	\$ , , ,
<b>165. Pick-ups, cargo vans, cars and other passenger vehicles used in the farm business</b>		/	\$ , , ,
<b>166. Other farm trucks</b>		/	\$ , , ,
<b>167. Grain combines and swathers</b>		/	\$ , , ,
<b>168. Forage harvesters, balers, mower-conditioners, etc.</b>		/	\$ , , ,
<b>169. Tillage, cultivation, seeding and planting equipment</b>			\$ , , ,
<b>170. Irrigation equipment</b>			\$ , , ,
<b>171. All other farm machinery and equipment not reported above, such as sprayers, elevators, wagons, manure spreaders, dryers, portable grinder-mixers, other harvesting equipment, Christmas tree balers, etc.</b>			\$ , , ,
<b>172. TOTAL present market value of all farm machinery and equipment</b> (Total of questions 164 to 171)			\$ , , ,

1513

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## STEP 31 GROSS FARM RECEIPTS and OPERATING EXPENSES in 2015

- ◆ Report for the 2015 calendar year OR for the last complete accounting (fiscal) year.

**GROSS FARM RECEIPTS (before deducting expenses)**

- ◆ **Include** • receipts from all agricultural and forest products sold;  
• program and insurance payments and custom work receipts.
- ◆ **Do not include** • sales of capital items (quota, land, machinery, etc.);  
• the sale of any goods purchased only for resale.

		Amount (dollars only)
173.	In 2015, what were the <b>TOTAL</b> gross farm receipts? ...	\$ <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>
174.	Of the above, what were the sales of <b>firewood, pulpwood, logs, fence posts and pilings?</b> .....	\$ <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>

**TOTAL FARM OPERATING EXPENSES**

- ◆ **Include** only the **farm business share** of amounts paid.
- ◆ **Do not include**
  - costs of any goods purchased only for resale;
  - depreciation or capital cost allowance.

175. In 2015, what were the TOTAL farm operating expenses? Amount (dollars only)

▶ \$   ,   ,   .

STEP 32	In 2015, did this operation pay any wages or salaries to employees?
---------	---

- ◆ **Include** family and non-family.
- ◆ **Do not include** custom or contract workers.

☐ No —→ **Go to STEP 33**

176. In 2015, how many employees were paid on:

a) a **year-round full-time** basis (30 or more hours per week) . . . . .

b) a **year-round part-time** basis (less than 30 hours per week) . . . . .

c) a **seasonal or temporary** basis . . . . .

177. TOTAL number of employees receiving a wage or salary in 2015 . . . . .

178. In 2015, how many of the total number of employees receiving a wage or salary (question 177) were **family members**? . . . . .

14

1514

**STEP 33** In 2015, did this operation **SELL** any agricultural products **DIRECTLY TO CONSUMERS** for human consumption?

◆ Do not include the sale of any goods purchased only for resale.

- ☐ No —> Go to STEP 34  
☐ Yes

179. In 2015, which of the following products were sold directly to consumers for human consumption?

(Fill in all applicable circles.)

- ☐ Unprocessed agricultural products (such as fruits, vegetables, meat cuts, poultry, eggs, maple syrup, honey, etc.)  
☐ Value-added products (such as jellies, sausages, wine, cheese, etc.)

180. In 2015, which of the following methods were used to sell directly to consumers for human consumption?

(Fill in all applicable circles.)

- ☐ Farm gate sales, stands, kiosks, U-pick  
☐ Farmers' markets  
☐ Community Supported Agriculture (CSA)  
☐ Other methods — Specify:

**STEP 34** Answer the following questions about the **OPERATING ARRANGEMENT** of this agricultural operation in 2016.

181. What is the operating arrangement of this operation?

(Fill in one circle only.)

- ☐ Sole proprietorship  
☐ Partnership without a written agreement  
☐ Partnership with a written agreement  
☐ Family corporation (including corporations with one or more shareholders)  
☐ Non-family corporation

If question 181 does not describe the operating arrangement of this operation, report in the COMMENTS section on page 16.

**STEP 35** As of May 10, 2016, did this operation have a **WRITTEN SUCCESSION PLAN**?

A **succession plan** is more extensive than a will. It is a **formalized plan** that ensures the future continuity of the farm business. It contains three elements: transfer of management and control; transfer of assets and ownership; and transfer of labour.

- ☐ No —> Go to STEP 36  
☐ Yes

182. In your written succession plan, will the successor(s) for this operation be:

(Fill in all applicable circles.)

- ☐ Family member(s)  
☐ Non-family member(s)

**STEP 36** In 2015, were there any renewable energy producing systems, regardless of ownership, on this operation?

◆ Include systems that produce energy for this operation or for sale.

- ☐ No —> End of questionnaire, thank you.  
☐ Yes

183. In 2015, which of the following renewable energy producing systems were on this operation?

(Fill in all applicable circles.)

- ☐ Solar panels  
☐ Wind turbines  
☐ Anaerobic biodigester (biogas or methane)  
☐ Biodiesel production systems  
☐ Geothermal electric power generator  
☐ Hydro electric power generator  
☐ Other renewable energy producing systems — Specify:

**Purpose of the Census of Agriculture and users of the data**

The Census of Agriculture provides the only comprehensive and integrated profile of the physical, economic, social and environmental aspects of Canada's agriculture industry. It is conducted every five years. The data are needed to make informed decisions about business management strategies, agricultural policies, programs and services that directly affect farmers and rural communities.

Census data provide a reliable source of information to farm organizations, government departments, agriculture suppliers and service providers, and researchers that help them to understand and respond to changes in agriculture.

**But why in May?**

Statistics Canada recognizes that mid-May is one of the busiest times of the year for farmers. However, collecting the data at the same time as the Census of Population streamlines procedures and saves millions of dollars.

**Use of record linkages**

To enhance the data from this census and to minimize the reporting burden, Statistics Canada may combine it with information from other surveys or from administrative sources.

**The law protects what you tell us**

The confidentiality of your census responses is protected by law. All Statistics Canada employees have taken an oath of secrecy. Your personal census information cannot be given to anyone outside Statistics Canada without your consent. This is your right.

**Fax or e-mail transmission disclosure**

Statistics Canada advises you that there could be a risk of disclosure during facsimile or e-mail transmission. However, upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

**COMMENTS**

If you have any questions on the Census of Agriculture, call us free of charge, 1-855-859-6273. Please mail your questionnaire today.

Census of Agriculture results will be available in May 2017: [www.statcan.gc.ca](http://www.statcan.gc.ca)  
Thank you for your co-operation.

