

Agriculture Statistics Yearbook



2017

Alberta

Published by:

Alberta Agriculture and Forestry
Economics and Competitiveness Branch
Statistics and Data Development Section
J. G. O'Donoghue Building
300, 7000 - 113 Street
Edmonton, Alberta, CANADA, T6H 5T6

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ISSN 0380-5050 (Print)
ISSN 1927-4106 (Online)

ISBN 978-1-4601-4070-3 (Print)
ISBN 978-1-4601-4071-0 (PDF)

This publication is available online at: <http://agriculture.alberta.ca/stats-yearbook>

See the website www.agriculture.alberta.ca/publications for other information products.

Agriculture Statistics Yearbook 2017

43rd Edition

September 2018

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

Symbols

p	preliminary
r	revised
x	confidential
-	not available
...	figure not appropriate or applicable
'000	thousands
\$'000	thousands of dollars
bu.	bushel
Cwt.	100 pounds
Head	number of head
hl	hectolitre
kg	kilogram
lbs.	pounds
n.e.c.	not elsewhere classified
No.	number
Chg.	change
t	terminated

Metric Conversion Factors

Imperial To Metric

1 acre	= 0.404687 hectares = 43,560 square feet
1 square mile	= 640 acres = 259 hectares (640 acres = 1 section)
1 mile	= 1,760 yards = 1.6093 kilometres
1 bushel	= 8 gallons = 0.035239 cubic metres
1 pound	= 0.453592 kilograms
1 short ton	= 2,000 pounds = 907.184872 kilograms
1 long ton	= 2,240 pounds = 1,016.047057 kilograms

Metric To Imperial

1 hectare	= 2.471044 acres
1 square kilometre	= 100 hectares = 247.1 acres (247.1044 acres = 0.386 of a section)
1 metre	= 39.36 inches = 3.28 feet
1 cubic metre	= 28.377650 bushels
1 kilogram	= 2.204622 pounds
1 tonne	= 2,204.6 pounds = 1.102311 tons
1 litre	= 0.87988 quarts = 0.21997 gallons

Weight Equivalents of Selected Commodities

Wheat	1 bushel = 0.027216 tonne	Mixed Grain	1 bushel = 0.020412 tonne
	1 tonne = 36.744 bushels		1 tonne = 48.992 bushels
Oats	1 bushel = 0.015422 tonne	Rye, Corn	1 bushel = 0.0254 tonne
	1 tonne = 64.842 bushels	& Flaxseed	1 tonne = 39.368 bushels
Barley	1 bushel = 0.021773 tonne	Canola	1 bushel = 0.02268 tonne
	1 tonne = 45.930 bushels		1 tonne = 44.092 bushels

Introduction

The **Agriculture Statistics Yearbook** is compiled by the Statistics and Data Development Section of Alberta Agriculture and Forestry to serve as a reference document and a principal source of information for users of statistics on the Alberta agri-food industry. The dynamic trends occurring in the primary agricultural industry and the food and beverage processing sector are presented in the Yearbook's statistical tables and charts, to provide both a current and historical perspective. For purposes of comparison, a number of tables and charts provide information for Canada and other provinces, in addition to Alberta.

Individual sections of the Yearbook present information on identifiable industry sectors such as crops, livestock and food and beverages, and industry measures and indicators such as farm income, agri-food exports and economic indicators. Together, the sections constitute a reliable representation of the performance of Alberta's agri-food industry. Featured topics of major significance and importance to the agri-food industry include farm cash receipts, net farm income, input costs, population, gross domestic product, employment, investment expenditures, food expenditures, food and beverage processing activity measures, commodity prices, exports of primary commodities and value added processed products, production and inventory of livestock, and crop estimates (production and acreage).

Statistical tables are presented on a calendar year basis, unless otherwise specified. Tables and charts have been updated to include data for the 2017 reference year, where available. Data were compiled from a variety of sources, with the majority produced by the Agriculture Division of Statistics Canada in collaboration with Alberta Agriculture and Forestry. We gratefully acknowledge the assistance of Agriculture and Agri-Food Canada, as well as other federal and provincial departments and agencies who provided data for inclusion in this publication. Special appreciation is extended to all agricultural producers and processors who responded to our surveys or supplied other information to surveys conducted by Statistics Canada.

Inquiries regarding any of the topics presented in the Yearbook may be directed to:

Farm Income	Reynold Jaipaul, Director	780-427-5376	reynold.jaipaul@gov.ab.ca
Farm Income, Retail Prices, Custom Rates, Agricultural Input Monitoring System (AIMS)	Roy Larsen, Senior Statistician	780-644-1308	roy.larsen@gov.ab.ca
Economic Indicators, Food Statistics	Jean Marie Uwizeyimana, Agri-Food Statistician	780-422-3099	jeanmarie.uwizeyimana@gov.ab.ca
Agri-Food Exports	Barbara Pekalski, Trade Research Statistician	780-427-5386	barb.pekalski@gov.ab.ca
Crops	Ashan Shooshtarian, Crop Statistician	780-422-2887	ashan.shooshtarian@gov.ab.ca
Livestock, Dairy, Poultry, Beekeeping, Food Prices	John Paul Emunu, Livestock Statistician	780-427-4243	john.paul.emunu@gov.ab.ca
Agriculture Real Estate Values	Guangzhi Liu, Senior Business and Research Analyst	780-422-4430	guangzhi.liu@gov.ab.ca
Census of Agriculture	Jianqing Chen, Research Analyst	780-422-4430	Jianqing.chen@gov.ab.ca

Alberta Agriculture and Forestry has produced the Yearbook since the early 1970's as a service to government, policy makers, agri-businesses, farm organizations, market researchers, academic institutions and the agricultural community at large. We hope you find this edition informative and useful. Also, any comments or suggestions regarding the Yearbook would be greatly appreciated.

The **Agriculture Statistics Yearbook** may be viewed on-line by visiting the Alberta Agriculture and Forestry website at:

<http://agriculture.alberta.ca/stats-yearbook>

Note: Data presented in the Yearbook were current as of August, 2018. Users are advised that components of some statistical tables may not add up to their totals due to rounding.

**Alberta Agriculture and Forestry
Economics and Competitiveness Branch
Statistics and Data Development Section
J. G. O'Donoghue Building
300, 7000 - 113 Street
Edmonton, Alberta, CANADA, T6H 5T6
Telephone: 780-422-2961 Fax: 780-427-5220**

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Alberta Census Divisions and
Census Consolidated Subdivisions



Number of Farms in Alberta by Census Division - 2016 Census of Agriculture

	No. of Farms		No. of Farms		No. of Farms
Census Division 1		Census Division 9		Census Division 16	
(Medicine Hat).....	1,303	(Rocky Mountain House).....	1,013	(Fort McMurray).....	6
Cypress County.....	805	Clearwater County.....	1,013	Wood Buffalo.....	6
Forty Mile County No. 8.....	498			Improvement District No. 24 (1).....	n/a
Census Division 2		Census Division 10		Census Division 17	
(Lethbridge).....	2,669	(Camrose/Vermilion).....	4,431	(Fort Vermilion).....	1,961
Lethbridge County.....	906	Beaver County.....	631	Big Lakes County.....	306
Newell County.....	668	Camrose County.....	962	Clear Hills.....	390
Taber.....	633	Lamont County.....	689	Lesser Slave River No.124.....	131
Warner County No. 5.....	462	Minburn County No. 27.....	594	Mackenzie County.....	610
		Two Hills County No. 21.....	503	Northern Lights County.....	375
		Vermilion River County.....	1,052	Northern Sunrise County.....	149
Census Division 3		Census Division 11		Census Division 18	
(Pincher Creek).....	1,709	(Edmonton).....	4,589	(Valleyview).....	534
Cardston County.....	475	Brazeau County.....	426	Greenview No. 16.....	534
Pincher Creek No. 9.....	439	Edmonton.....	133		
Willow Creek No. 26.....	795	Leduc County.....	1,088		
		Parkland County.....	679		
Census Division 4		Strathcona County.....	579	Census Division 19	
(Oyen/Hanna).....	1,192	Sturgeon County.....	730	(Grande Prairie/Fairview)	2,423
Special Area No. 2.....	460	Wetaskiwin County No. 10.....	954	Birch Hills County.....	182
Special Area No. 3.....	448			Fairview No. 136.....	202
Special Area No. 4.....	284	Census Division 12 (2)		Grande Prairie County No. 1.....	1,113
		(Bonnyville/St. Paul).....	1,987	Peace No. 135.....	129
Census Division 5		Bonnyville No. 87.....	650	Saddle Hills County.....	381
(Drumheller/Vulcan).....	2,427	Lac la Biche County.....	238	Smoky River No. 130.....	306
Kneehill County.....	700	Smoky Lake County.....	419	Spirit River No.133.....	110
Starland County.....	309	St. Paul County No. 19.....	680		
Vulcan County.....	608			Total Farms in Alberta.....	40,638
Wheatland County.....	810	Census Division 13		(1) This census consolidated subdivision had	
		(Barrhead/Athabasca).....	3,477	no farms in 2016.	
Census Division 6		Athabasca County.....	650	Amalgamations:	
(Calgary).....	3,905	Barrhead County No. 11.....	681	Due to confidentiality constraints, agricultural data	
Calgary.....	145	Lac Ste. Anne County.....	794	for subdivisions with very few farms were combined	
Foothills No. 31.....	1,083	Thorhild County.....	382	with data from adjacent areas. In most cases, the	
Mountain View County.....	1,542	Westlock County.....	744	name of the amalgamation is identical to the	
Rocky View County.....	1,135	Woodlands County.....	226	largest component of the amalgamation:	
		Census Division 14		(2) Due to confidentiality constraints, the data for	
Census Division 7		(Edson).....	611	Census Division 16 was amalgamated with Census	
(Wainwright/Stettler).....	2,688	Yellowhead County.....	611	Division 12.	
Flagstaff County.....	638			NOTE: Due to minimal or no agricultural activity,	
Paintearth County No.18.....	402	Census Division 15		data are not available for Improvement Districts 12	
Provost No. 52.....	410	(Mountain Parks Region).....	122	(Jasper) and 24 (Wood Buffalo). Incompletely	
Stettler County No. 6.....	703	Bighorn No. 8.....	54	enumerated Indian Reserves and Settlements are	
Wainwright No. 61.....	535	Ranchland No. 66.....	68	excluded.	
		Improvement District No. 12 (1).....	n/a		
Census Division No. 8					
(Red Deer).....	3,591				
Lacombe County.....	1,034				
Ponoka County.....	1,097				
Red Deer County.....	1,460				

n/a - not available

Source: Statistics Canada, 2016 Census of Agriculture

Year in Review, 2017

In terms of performance, the agriculture and agri-food sector in Alberta had another successful year in 2017, as evidenced by records attained for some key statistical indicators. Setting new highs for the province were net cash income (NCI), realized net income (RNI), and total net income (TNI) which was the second highest on record. Provincial farm cash receipts (FCR) surpassed \$14 billion for the first time (\$14.1 billion) and led all provinces in total FCR. Total food and beverage manufacturing sales also set a new industry high for the fourth consecutive year at \$14.4 billion and was ranked as Alberta's second largest manufacturing industry. Real gross domestic product (GDP) for agri-food industries increased to a record \$6.5 billion. Total agri-food exports reached \$11 billion for the first time (\$11.2 billion), with gains achieved for both primary commodities and value added exports. In the livestock sector, as of July 1, 2017, slight year-over-year declines occurred for inventories of cattle and calves, and sheep and lambs, while for pigs it increased marginally. Alberta remains the largest beef producing province in Canada. Total production of principal field crops in the province declined, largely due to lower yields for most major crops, but was still above the 10-year average.

The following is a brief commentary on the various sections of this Yearbook. **For more detailed commentaries, users are advised to refer to the individual sections of this Yearbook.**

Farm Income¹

Alberta's total FCR (sum of crop and livestock market receipts plus direct program payments to producers) was the highest on record at \$14.1 billion in 2017, up 4.5 per cent from the year previous. Fuelling the gain were higher crop and livestock market receipts plus program payments to producers. Crop market receipts accounted for 49.1 per cent of total FCR, with livestock market receipts and direct program payments accounting for 45.5 per cent, and 5.4 per cent, respectively. Crop market receipts reached a second consecutive record high at \$6.9 billion, up 3.9 per cent from 2016. Receipts were at an all-time high for hay and clover, total vegetables, as well as forage and grass seed. Other notable receipt gains included canola and wheat, which were the second and third highest on record, respectively. Livestock market receipts increased 4.6 per cent to \$6.4 billion, the second highest on record, largely due to increased marketings for cattle. Driving the overall gain were higher market receipts for cattle and calves, hogs, sheep and lambs, while setting new records were dairy, poultry (hens, chickens and turkeys), and eggs and hatcheries receipts. Direct program payments to producers were up 9.7 per cent to \$764.1 million, with much of the increase attributed to higher payments under Crop Insurance, AgriStability, AgriRecovery and Compensation for Animal Losses. Total farm operating expenses rose 3.8 per cent to \$10.5 billion. Some notable increases in operating expenses included livestock and poultry purchases, and machinery fuel and repairs. Setting records in 2017 were Alberta's total NCI (\$3.6 billion) and RNI (\$1.8 billion), while TNI fell marginally to \$2.2 billion (second highest on record). The province ranked first in total FCR, followed by Saskatchewan (\$14.1 billion), and accounted for over one-fifth (22.9 per cent) of the Canadian total (\$61.6 billion). It also led all provinces in livestock market receipts, cattle and calf market receipts and program payments to producers. The province ranked second to Saskatchewan in NCI (\$4.8 billion), RNI (\$3.1 billion) and TNI (\$3.3 billion).

Economic Indicators

In 2017, the real GDP for Alberta's agri-food industries in chained² (2007) dollars totaled a record \$6.5 billion, 4.9 per cent higher than in 2016 and was the second consecutive year-over-year increase. Of this total, primary agriculture accounted for \$3.5 billion (up 1.9 per cent), while food and beverage industries was \$3 billion (up 3.2 per cent). Total employment in agri-food industries was 75,100 persons (up 2.6 per cent from 2016), with 52,100 employed in primary agriculture (up 2.6 per cent) and 23,000 in food and beverage manufacturing industries (up 2.7 per cent). Combined, these industries accounted for 3.3 per cent of the total employed provincial labour force of 2,286,900 persons. The annual all-items Consumer Price Index for Alberta, a measure of overall inflation, was up 1.5 per cent to 137.2, marking the eighth consecutive year-over-year increase. The Canadian dollar at \$0.7705 (annual average) posted a 2.1 per cent gain against the United States dollar.

Food and Beverage Manufacturing Sales

Alberta's food and beverage manufacturing sales increased 8.4 per cent to \$14.4 billion in 2017, marking the third consecutive record high. It was the second largest manufacturing sector in the province, accounting for 20.3 per cent of total manufacturing sales (\$70.9 billion), after petroleum and coal products (22.4 per cent or \$15.9 billion). Food manufacturing industries sales were up 11.1 per cent to \$13.3 billion, while beverage industries fell 16.9 per cent to \$1.1 billion. Collectively, four segments (meat product manufacturing, grain and oilseed milling, dairy product manufacturing and animal food manufacturing, including feed) accounted for 84.7 per cent (or \$11.3 billion) of food manufacturing sales. The dominant segment was meat product manufacturing (including poultry), which accounted for 55.2 per cent (or \$7.4 billion) of total food manufacturing sales and increased for the fourth consecutive time on a year-over-year basis. Within this segment, animal slaughtering (except poultry) was \$6.8 billion, with the balance attributed to rendering and poultry processing. On a national basis, Alberta ranked third in total Canadian food manufacturing sales (\$101.2 billion), behind Ontario (\$39.5 billion) and Quebec (\$23.6 billion).

(1) For detailed definitions of terms, see page 5.

(2) A methodology implemented by Statistics Canada which takes into account fluctuations in relative prices and the composition of output over time.

Agri-Food Exports

Exporting to nearly 140 countries, Alberta's total international exports of primary and processed agricultural and food products (agri-food) surpassed \$11 billion for the first time to \$11.2 billion, up 12.3 per cent, from 2016. Exports of value added processed products increased for the fourth consecutive year, at \$5.6 billion (up 10.6 per cent from 2016). Primary commodities were up 14 per cent to \$5.7 billion, following two years of decline. Of the total \$11.2 billion in exports, primary commodities accounted for 50.3 per cent, while value added processed products were 49.7 per cent. Almost three-quarters (74.1 per cent or \$8.3 billion) of Alberta's total agri-food exports in 2017 were shipped to five markets. The leading export markets were the United States (\$4.3 billion, up 5.1 per cent), followed by China (\$2 billion, up 44 per cent), Japan (\$1.3 billion, up 2.8 per cent), Mexico (\$602.4 million, up 11.7 per cent), and South Korea (\$214 million, down 9.7 per cent). Among provinces, Alberta was the third largest exporter of agri-food products (behind Saskatchewan and Ontario), and accounted for 19.3 per cent of the Canadian total (\$58.2 billion). The top five Alberta agri-food exports were wheat (\$2.1 billion), canola seed (\$2 billion), beef (\$1.7 billion), crude canola oil (\$853.9 million) and non-purebred live cattle (\$612.1 million).

Livestock

Alberta is the largest beef producing province in Canada, as well as a producer of pigs, and sheep and lambs. As of July 1, 2017, the province had an estimated 5.1 million head of cattle and calves on farms, down 1.3 per cent from the previous year. The province continues to lead the nation in cattle and calf inventories, accounting for 41 per cent of the national herd, followed by Saskatchewan (2.6 million head). The provincial cattle and calf inventories were influenced by relatively strong prices, which led to increased marketings in 2017. As of July 1, 2017, pigs on Alberta farms totalled 1.5 million head, marginally up by 0.3 per cent, from a year earlier. The major factor impacting hog inventories was strong consumer demand for pork. The provincial sheep and lamb flock, as of July 1, 2017, fell 0.5 per cent to 194,000 head and marked the fourth consecutive year-over-year decline. Relatively strong slaughter lamb and sheep prices continued to encourage marketings. Among provinces, Alberta ranked first in cattle and calf inventories, third in sheep and lamb inventories and fourth in pig inventories.

In 2017, Alberta slaughter cattle prices continued to be quite strong. The annual average slaughter steer price increased 2.2 per cent from 2016 to \$153.89 per cwt., while slaughter heifer prices rose 3.8 per cent to \$154.09 per cwt. For hogs, the annual Alberta average index 100 price increased 8.8 per cent to \$1.61 per kg, largely due to strong consumer demand for pork. Three-quarters of Canadian beef processing occurs in Western Canada, with the vast majority concentrated in Alberta. Western Canadian cattle slaughter (excluding calves) in federally and provincially inspected plants was 2.3 million head, up seven per cent from 2016. Over one-tenth of Canadian pork processing occurred in Alberta, with hog slaughter in federally and provincially inspected plants at 2.6 million head (down 0.8 per cent from 2016). Total honey production for the province was estimated at 18,057 tonnes, down 0.9 per cent from 2016, due to lower yield per colony. Even so, Alberta continued to lead the nation in honey production, accounting for 43.2 per cent of the national total of 41,780 tonnes.

Crops

In 2017, Alberta's crop season started with a wet spring, as well as unharvested crops from the previous season. In the early part of the season, seeding was delayed which impacted crop development. By the end of June, crop development was in line with the long term averages for the Southern and Central Regions, slightly behind in the North East Region, and well behind in the North West and Peace Regions. Dry conditions in the Southern Region contributed to an early harvest, with 52 per cent complete by the end of August. Drier conditions also allowed for some crop maturity in the other Regions and continued until mid-September when cooler weather moved into the province, resulting in frost in most areas and some precipitation delaying harvest progress. Despite unfavourable conditions in October, producers were still able to make good harvest progress. As of October 31, harvest was complete across the province, with 98.6 per cent of crops in the bin. In general, weather conditions throughout the season were uneven across the province, resulting in variable seeding, harvest progress, yields and crop quality.

Alberta's total production of principal field crops (including forages) was 33.5 million tonnes, 2.4 per cent lower than in 2016. Excluding forages, crop production was two per cent below a year earlier, at 24.8 million tonnes. Despite the lower production, these were still 13.3 per cent and 17.6 per cent above their respective 10-year averages (2007-2016). Provincial average yields for most major crops fell from 2016, but were still higher than their 10-year averages. Total production of spring wheat increased 6.3 per cent, to 8.7 million tonnes, due to an increase in harvested area that more than offset a lower average yield. Durum wheat production fell 31.6 per cent to 1.1 million tonnes, due to a significant drop in average yield, while harvested area remained flat. Provincial canola production reached a new record high at 6.8 million tonnes. This was the result of an increase in harvested area offsetting a lower average yield. Total production of barley fell 11.2 per cent to 3.9 million tonnes, as both yield and harvested area were down. Production of dry peas fell 12.3 per cent to two million tonnes, due to lower yield and harvested area, but still the second highest on record.

Overall, the average annual price increased for all wheat (up 9.9 per cent to \$6.97 per bushel), canola (up five per cent to \$11.20 per bushel), and oats (up one per cent to \$2.86 per bushel), while the price for barley fell 5.1 per cent to \$4.04 per bushel. With respect to crop marketings, total wheat, barley and canola increased, while oats, lentils and dry peas declined on a year-over-year basis.

Value of Agricultural Production in Alberta, 2012-2017

	2012r	2013r	2014r	2015r	2016r	2017p	% Chg. '17/'16
Crops							
Production - '000 tonnes (1)							
All Wheat.....	8,368.8	11,329.0	9,372.8	8,290.0	10,106.7	9,980.1	-1.3
Oats for Grain.....	518.2	601.5	542.9	393.3	624.6	609.2	-2.5
Barley for Grain.....	4,463.3	5,545.4	4,131.3	4,289.2	4,398.0	3,906.0	-11.2
Fall Rye	34.3	36.3	30.9	33.0	59.7	33.5	-43.9
Mixed Grains.....	10.5	13.3	12.9	12.2	30.6	33.0	7.8
Flaxseed.....	44.5	73.7	98.4	83.8	59.8	62.2	4.0
Canola.....	5,097.2	6,168.9	5,796.9	5,851.3	6,157.5	6,826.6	10.9
Mustard Seed	35.9	37.2	59.4	31.9	73.3	27.1	-63.0
Sugar Beets (2).....	598.7	598.7	580.6	503.5	811.9	771.1	-5.0
Tame Hay.....	7,711.1	7,588.6	6,976.3	4,640.2	7,239.3	7,175.8	-0.9
Dry Peas	1,208.4	1,321.3	1,475.1	1,314.5	2,271.2	1,991.5	-12.3
Other Crops.....	...	...	...	...	...	...	...
Average Farm Value - \$/tonne (1)							
All Wheat.....	255.00	285.00	225.00	227.00	232.86	256.00	9.9
Oats for Grain.....	182.00	210.00	166.00	177.00	183.45	185.20	1.0
Barley for Grain.....	240.00	250.00	180.00	208.00	195.54	185.60	-5.1
Fall Rye	231.29	245.33	246.06	251.35	215.74	159.56	-26.0
Mixed Grains.....	211.00	230.00	173.00	192.50	189.50	185.40	-2.2
Flaxseed.....	548.99	564.80	505.24	499.08	456.91	489.90	7.2
Canola.....	570.00	565.00	430.00	457.00	470.40	493.81	5.0
Mustard Seed	665.08	783.30	-	-	-	-	-
Sugar Beets (2).....	55.10	50.74	52.69	58.14	55.49	55.49	-4.6
Tame Hay.....	68.51	72.31	87.53	119.85	123.50	119.07	-3.6
Dry Peas	296.15	311.18	259.48	301.69	331.92	291.26	-12.3
Other Crops.....	...	...	...	...	...	...	...
Value of Production - \$'000 (3)							
All Wheat.....	2,134,044	3,228,765	2,108,880	1,881,830	2,353,446	2,554,906	8.6
Oats for Grain.....	94,312	126,315	90,121	69,614	114,583	112,824	-1.5
Barley for Grain.....	1,071,192	1,386,350	743,634	892,154	859,985	724,954	-15.7
Fall Rye	7,933	8,905	7,603	8,295	12,880	5,345	-58.5
Mixed Grains.....	2,216	3,059	2,232	2,349	5,799	6,118	5.5
Flaxseed.....	24,430	41,626	49,716	41,823	27,323	30,472	11.5
Canola.....	2,905,404	3,485,429	2,492,667	2,674,044	2,896,488	3,371,043	16.4
Mustard Seed	23,876	29,139	-	-	-	-	-
Sugar Beets (2).....	32,988	30,378	30,592	29,273	45,052	42,765	-5.1
Tame Hay.....	528,287	548,724	610,621	556,134	894,035	854,395	-4.4
Dry Peas	357,873	411,165	382,759	396,570	753,859	580,035	-23.1
Other Crops (4).....	...	...	...	...	...	...	...
Total Crops.....	7,182,557	9,299,855	6,518,824	6,552,085	7,963,449	8,282,857	4.0

(1) Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

(2) Source: Alberta Sugar Beet Growers

(3) Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

(4) Source: Statistics Canada estimates of farm cash receipts. "Other Crops" include forage seeds, field and greenhouse vegetables, fruits, floriculture and nursery, forest products, and specialty crops not specified in this table.

Value of Agricultural Production in Alberta, 2012-2017 (Cont'd.)

	2012r	2013r	2014r	2015r	2016r	2017p	% Chg. '17/'16
Livestock and Livestock Products							
Value of Production - \$'000 (5)							
Cattle and Calves.....	2,455,231	2,559,165	3,313,263	3,811,595	3,524,975	3,636,378	3.2
Hogs.....	411,732	419,279	498,524	412,620	396,624	426,668	7.6
Sheep and Lambs.....	17,974	13,164	17,249	21,759	22,145	23,534	6.3
Total Livestock.....	2,884,937	2,991,608	3,829,036	4,245,974	3,943,744	4,086,580	3.6
Dairy Products.....	520,805	515,075	530,588	544,230	561,173	587,898	4.8
Poultry and Eggs.....	330,482	344,541	334,602	347,604	368,515	376,575	2.2
Honey (6).....	64,579	71,033	76,966	82,601	71,476	65,967	-7.7
Other Livestock and Products.....	96,788	98,303	131,861	139,377	126,094	131,855	4.6
Total Livestock and Livestock Products.....	3,897,591	4,020,560	4,903,053	5,359,786	5,071,002	5,248,875	3.5
Total Gross Value of Agricultural Production in Alberta, 2012-2017 (\$'000)							
	2012r	2013r	2014r	2015r	2016r	2017p	% Chg. '17/'16
Crops.....	7,182,557	9,299,855	6,518,824	6,552,085	7,963,449	8,282,857	4.0
Livestock and Livestock Products.....	3,897,591	4,020,560	4,903,053	5,359,786	5,071,002	5,248,875	3.5
Total Value of Production.....	11,080,148	13,320,416	11,421,877	11,911,871	13,034,451	13,531,732	3.8

Note: Totals may not add up due to rounding.

(5) Source: Statistics Canada unless otherwise noted. Estimates for cattle and calves, hogs, sheep and lambs include farm cash receipts plus the value of inventory change less feeder imports plus income-in-kind. Estimates for dairy products and other livestock and products include farm cash receipts plus income-in-kind. Gross value of production is shown for poultry and eggs.

(6) Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Value of Agricultural Production

Every year more than 21 million acres of cropland are harvested in Alberta and millions of cattle, hogs, sheep and poultry are slaughtered for human consumption. The above table presents a gross measurement of this agricultural activity incorporating production estimates, average farm values, farm market cash receipts, value of inventory change estimates, and income-in-kind. Farm market cash receipts represent the cash income received from the sale of agricultural commodities excluding direct government program payments. Income-in-kind measures the value of agricultural commodities produced on farms and consumed by individuals living on these farm operations.

Users should note that double counting may occur as in the case of barley where much of what is grown is fed to cattle. In this table, barley is valued in the crops sector as well as in the total value of cattle marketed. Gross value of production, therefore, incorporates total production from all farms, regardless of where and how products are used or marketed.

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Measures of Net Farm Income (1) - Definitions

The agriculture economic statistics program uses three aggregate measures of net farm income:

Net cash income measures farm business cash flow (gross revenue minus operating expenses) generated from the production of agricultural goods. Net cash income represents the amount of money available for debt repayment, investment or withdrawal by the owner.

Realized net income (RNI) measures the financial flows, both monetary (cash income) and non-monetary (depreciation and income-in-kind), of farm businesses. Similar to net cash income, realized net income represents the net farm income from transactions in a given year, regardless of the year the agricultural goods were produced.

Total net income measures the financial flows and stock changes of farm businesses. Total net income values agriculture economic production during the year that the agricultural goods were produced. It represents the return to owner's equity, unpaid labour, management and risk.

Components of Net Farm Income Measures

Farm cash receipts include revenues from the sale of agricultural commodities, program payments from government agencies, and payments from private crop and livestock insurance programs. Receipts are recorded in the calendar year (January-December) when the money is paid (cash basis) to farmers. Farm to farm sales are excluded. They are assumed to cancel each other out, and have no net impact.

Farm operating expenses represent business costs incurred by farm businesses for goods and services used in the production of agricultural commodities. Expenses, which are recorded when the money is disbursed by the farmer, include property taxes, custom work, livestock purchases, rent, fertilizer and lime, pesticides, machinery and building repairs, fuel for heating and machines, wages, interest and business share of insurance premiums.

Income-in-kind measures the value of the agricultural goods produced on farms and consumed by farm operator families. It is included to measure total farm production. There is no monetary disbursement related to income-in-kind. It is calculated using Statistics Canada estimates of per capita food consumption, coupled with Census (2) measurements of the farm population and the average prices that producers would have received in the marketplace.

Depreciation charges account for the economic depreciation or for the loss in fair market value of the capital assets of the farm business. There is no monetary disbursement associated with depreciation. Calculated on farm buildings, farm machinery, and the farm business share of autos, trucks and the farm home, depreciation is generally considered to be the result of aging, wear and tear, and obsolescence. It represents a decrease in the potential economic benefits that can be generated by the capital asset.

Value of inventory change (VIC) measures the dollar value of the physical change in producer-owned inventories. This concept is used to value total agricultural economic production. To calculate VIC, the change in producer-owned inventories (between the end and the beginning of a calendar year) is first derived and then multiplied by the average annual crop prices or value per animal. This calculation is different from the financial or accounting book value approach, which values the beginning and ending stocks, and then derives the change.

(1) Source: Adapted from Agriculture and Agri-Food Canada and Statistics Canada, *Understanding Measurements of Farm Income*, Publication No. 2060/B and Cat. No. 21-525-XIE, November 2000, Section 1 "Agriculture Economic Statistics Program Measures".

(2) Statistics Canada, Census of Population

Alberta Farm Income in 2017

Farm Cash Receipts

In 2017, Alberta's total farm cash receipts (FCR) surpassed \$14 billion for the first time, at \$14.1 billion, and 4.5 per cent above 2016. These receipts were also 10.6 per cent above the five-year average (2012-2016) of \$12.8 billion. Fuelling the gain were higher crop and livestock market receipts plus program payments to producers. FCR is the sum of crop and livestock market receipts plus direct program payments to producers. Also setting a record were total farm market receipts (the sum of crop and livestock market receipts, excluding program payments to producers) at \$13.3 billion, up 4.3 per cent higher than in 2016 and 10.5 per cent above the five-year average (\$12.1 billion).

For the second consecutive year, crop market receipts set a new record, reaching \$6.9 billion in 2017, 3.9 per cent higher than in 2016. These receipts also accounted for 49.1 per cent of total FCR and were 9.6 per cent above the 2012-2016 average of \$6.3 billion. Driving most of the gain were higher receipts for canola (up 7.8 per cent to \$3.1 billion and second highest on record) and wheat (up 9.2 per cent to \$2.1 billion and third highest on record). Posting new industry highs as well were hay and clover (up 6.5 per cent to \$172.8 million), total vegetables (up four per cent to \$103.8 million), and forage and grass seed (up 42.5 per cent to \$52.8 million). Noteworthy declines included dry peas (down 25.7 per cent to \$475.3 million), potatoes (down 15.1 per cent to \$203.9 million), lentils (down 40.8 per cent to \$127.2 million), and mustard seed (down 11.9 per cent to \$30.2 million). However, these receipts were still the second highest on record for dry peas, potatoes, lentils, and mustard seed.

Alberta's livestock market receipts increased 4.6 per cent from 2016 to \$6.4 billion (second highest on record) and accounted for 45.5 per cent of total FCR. This was the fourth consecutive year that livestock market receipts surpassed \$6 billion. These receipts were also 11.4 per cent above the 2012-2016 average of \$5.8 billion. The higher receipts were primarily due to increased marketings, particularly for cattle. Cattle and calves receipts were up 4.8 per cent to \$4.8 billion the third highest on record. Hog receipts increased for the first time since 2014, up 7.6 per cent to \$425.8 million, while sheep and lamb receipts increased 2.4 per cent to \$25.7 million. Setting records were receipts for dairy (up 4.8 per cent to \$587.8 million), poultry -- hens, chickens and turkeys (up 0.9 per cent to \$277.7 million), and eggs and hatcheries (up 6.1 per cent to \$97.5 million). One notable decline was for honey, which fell 7.7 per cent to \$66 million.

Total program payments to producers increased 9.7 per cent to \$764.1 million in 2017, marking the third consecutive annual increase. These payments were also 13.5 per cent above the 2012-2016 average of \$673.2 million and accounted for 5.4 per cent of total FCR. The overall gain was largely due to higher payments under Crop Insurance (up 3.9 per cent to \$473 million), AgriStability (up 116.6 per cent to \$121.7 million), AgriRecovery (at \$7.3 million from \$0.4 million in 2016) and Compensation for Animal Losses (at \$37.9 million from \$3.8 million in 2016).

Nationally, total FCR grew for the seventh straight year and increased 1.8 per cent from 2016 to \$61.6 billion in 2017. Receipts were up for all provinces with the exception of Saskatchewan, Ontario, New Brunswick and Nova Scotia. Alberta accounted for over one-fifth (22.9 per cent) of the Canadian total and ranked first among provinces. The province also led the nation in livestock market receipts (\$6.4 billion), cattle and calf market receipts (\$4.8 billion) and program payments to producers (\$764.1 million). It was second in crop market receipts (\$6.9 billion), behind Saskatchewan (\$11 billion).

Farm Operating Expenses and Net Farm Income

Alberta's total farm operating expenses (after rebates) increased 3.8 per cent, to \$10.5 billion in 2017 and was 6 per cent above the 2012-2016 average of \$9.9 billion. Notable increases included livestock and poultry purchases (up 22 per cent to \$1.2 billion), and machinery fuel and repairs (up 6.3 per cent to \$1.3 billion). Showing noteworthy declines were fertilizer and lime (down five per cent to \$1.2 billion) and commercial feed (down 0.1 per cent to \$1.4 billion).

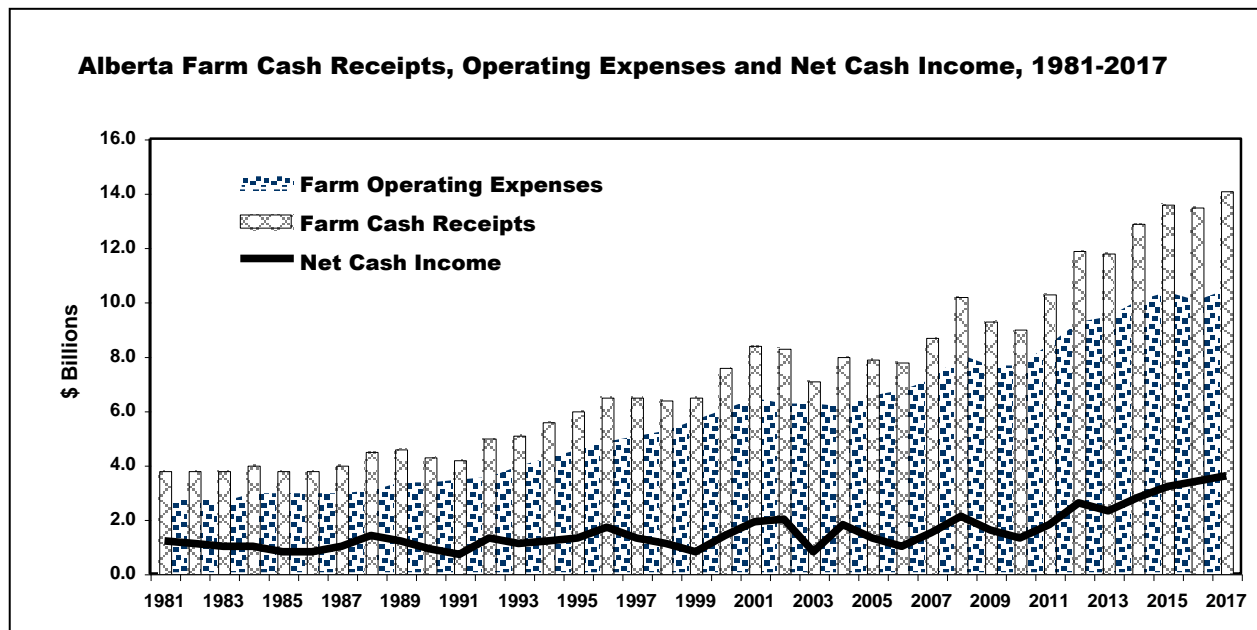
Net cash income (the difference between FCR and farm operating expenses) increased 6.8 per cent from 2016 to a record \$3.6 billion. When adjusted for depreciation (a non-cash cost of \$1.8 billion), the resulting realized net income (RNI) grew 10.3 per cent to a record \$1.8 billion. Overall, total net income (RNI adjusted for inventory change) was practically flat, down a marginal 0.3 per cent to \$2.2 billion.

Farm Debt Outstanding and Value of Farm Capital

Alberta's total farm debt outstanding at December 31, 2017, increased 8.4 per cent from the year previous to a record \$23.1 billion. The largest lender type was chartered banks who were owed \$8.7 billion (37.6 per cent of the total farm debt), up 10.9 per cent over 2016. The next largest group consisted of federal government agencies such as the Farm Credit Corporation and the Business Development Bank of Canada. This group was owed \$5.8 billion (24.9 per cent of total farm debt), up 11.3 per cent from the year previous. Provincial government agencies such as the Agriculture Financial Services Corporation and Alberta Treasury Branches followed with a total of \$5.2 billion in loans to Alberta producers (22.6 per cent

of total farm debt) and up 6.9 per cent from 2016. Credit Unions accounted for \$934.4 million in loans to farmers, up 4.1 per cent (4 per cent of total farm debt). Other lenders (including insurance and trust companies, along with private individuals and supply companies), were owed a total of \$2.2 billion (9.3 per cent of total farm debt), a marginal increase of 0.1 per cent from a year earlier. Advance program payments fell 4.6 per cent to \$344.3 million (1.5 per cent of total farm debt). Among provinces, Alberta ranked second in total farm debt outstanding after Ontario (\$27.6 billion), and accounted for 22.6 per cent of the national total (\$102.3 billion, up 6.6 per cent from 2016). Farm debt outstanding increased for all provinces, with the largest percentage change posted by Ontario (up 9.6 per cent) and the lowest by Nova Scotia (up 1.5 per cent).

In 2017, Alberta led the nation in the total value of farm capital (land and buildings, machinery and equipment, and livestock and poultry). At July 1, the province's total farm capital was a record \$159.6 billion, while Ontario was second at \$151.4 billion. Farm capital value for Alberta has been steadily increasing since 1993. In 2017, it was 7.2 per cent higher than in the same period a year earlier and driven mainly by a substantial increase in the value of land and buildings, as well as higher values for machinery and equipment, and livestock and poultry. The value of land and buildings was up 7.7 per cent, to \$136.8 billion, while the value of machinery and equipment increased 4.7 per cent, to \$14.8 billion. The value of livestock and poultry was up 2.4 per cent to \$8.1 billion. The increase in total value of farm capital was not unique to Alberta, as all provinces posted gains. Nationally, the value of farm capital increased 5.6 per cent, to a record \$562.7 billion, largely due to a significant increase in the value of land and buildings.



Source: Statistics Canada, Table 31-10-0052-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 1: Selected Farm Income Statistics, Canada and Provinces, 2013-2017

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
\$'000								
Total Farm Cash Receipts (Market Receipts plus Program Payments)								
2013.....	55,227,014	11,844,104	12,260,838	5,832,678	2,803,705	12,382,263	8,296,274	1,807,152
2014r.....	58,060,042	12,894,345	13,170,874	5,982,589	2,988,717	12,805,802	8,472,910	1,744,804
2015r.....	59,822,820	13,592,248	14,434,397	5,866,726	3,113,622	12,848,899	8,191,332	1,775,596
2016r.....	60,526,275	13,501,616	14,200,390	5,968,969	3,087,474	13,161,742	8,787,646	1,818,439
2017p.....	61,601,115	14,113,858	14,051,530	6,507,699	3,214,200	13,124,589	8,804,793	1,784,447
Total Farm Cash Receipts - % Share of Canada								
2013.....	100.0	21.4	22.2	10.6	5.1	22.4	15.0	3.3
2014r.....	100.0	22.2	22.7	10.3	5.1	22.1	14.6	3.0
2015r.....	100.0	22.7	24.1	9.8	5.2	21.5	13.7	3.0
2016r.....	100.0	22.3	23.5	9.9	5.1	21.7	14.5	3.0
2017p.....	100.0	22.9	22.8	10.6	5.2	21.3	14.3	2.9
Crop Market Cash Receipts								
2013.....	30,996,302	6,365,528	9,711,738	3,468,338	1,388,472	6,516,298	2,753,811	792,117
2014r.....	30,249,647	5,940,865	9,850,628	3,259,922	1,482,560	6,283,991	2,643,189	788,491
2015r.....	32,008,531	6,164,361	11,218,967	3,189,818	1,558,978	6,369,734	2,703,346	803,327
2016r.....	34,124,481	6,674,327	11,440,089	3,615,762	1,595,030	6,731,478	3,230,209	837,583
2017p.....	34,116,692	6,934,107	11,039,889	4,093,231	1,641,281	6,452,937	3,141,330	813,917
Livestock and Livestock Products Market Cash Receipts								
2013.....	21,545,206	4,782,214	1,894,298	1,993,391	1,370,801	5,515,812	5,036,805	951,885
2014r.....	25,689,698	6,404,262	2,708,618	2,491,466	1,475,569	6,224,029	5,508,664	877,090
2015r.....	25,679,505	6,775,254	2,629,974	2,372,403	1,517,944	6,164,162	5,286,605	933,162
2016r.....	23,959,646	6,130,890	2,093,676	2,131,403	1,462,784	6,068,944	5,164,358	907,591
2017p.....	25,048,524	6,415,601	2,262,347	2,236,327	1,534,339	6,350,126	5,349,844	899,941
Total Farm Market Receipts (Crops plus Livestock and Livestock Products)								
2013.....	52,541,508	11,147,742	11,606,036	5,461,729	2,759,273	12,032,110	7,790,616	1,744,002
2014r.....	55,939,345	12,345,127	12,559,246	5,751,388	2,958,129	12,508,020	8,151,853	1,665,581
2015r.....	57,688,036	12,939,615	13,848,941	5,562,221	3,076,922	12,533,896	7,989,951	1,736,489
2016r.....	58,084,127	12,805,217	13,533,765	5,747,165	3,057,814	12,800,422	8,394,567	1,745,174
2017p.....	59,165,216	13,349,708	13,302,236	6,329,558	3,175,620	12,803,063	8,491,174	1,713,858
Program Payments								
2013.....	2,685,507	696,362	654,803	370,949	44,432	350,153	505,658	63,150
2014r.....	2,120,698	549,219	611,628	231,201	30,588	297,782	321,057	79,223
2015r.....	2,134,784	652,633	585,455	304,505	36,700	315,003	201,381	39,107
2016r.....	2,442,148	696,398	666,624	221,804	29,659	361,320	393,079	73,264
2017p.....	2,435,899	764,149	749,294	178,141	38,581	321,526	313,619	70,589
Farm Operating Expenses After Rebates								
2013.....	42,664,426	9,536,957	8,402,729	4,577,774	2,558,239	9,727,466	6,424,877	1,436,384
2014r.....	43,961,768	10,131,001	8,690,364	4,562,570	2,582,427	10,054,836	6,502,020	1,438,549
2015r.....	44,836,511	10,411,507	8,819,804	4,693,638	2,657,933	10,285,672	6,511,052	1,456,904
2016r.....	45,067,229	10,113,652	9,166,678	4,718,611	2,700,478	10,266,565	6,619,787	1,481,459
2017p.....	46,168,601	10,495,694	9,285,273	4,856,950	2,790,648	10,555,840	6,675,689	1,508,508

Source: Statistics Canada, Tables 31-10-0045-01 and 31-10-0049-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 1 (Cont'd.): Selected Farm Income Statistics, Canada and Provinces, 2013-2017

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
\$'000								
Net Cash Income (Total Farm Cash Receipts minus Farm Operating Expenses After Rebates)								
2013.....	12,562,589	2,307,146	3,858,109	1,254,904	245,466	2,654,798	1,871,397	370,769
2014r.....	14,098,274	2,763,344	4,480,510	1,420,019	406,290	2,750,967	1,970,890	306,254
2015r.....	14,986,309	3,180,741	5,614,593	1,173,088	455,689	2,563,227	1,680,280	318,691
2016r.....	15,459,046	3,387,964	5,033,712	1,250,358	386,996	2,895,178	2,167,859	336,980
2017p.....	15,432,514	3,618,163	4,766,257	1,650,749	423,552	2,568,749	2,129,104	275,940
Realized Net Farm Income								
2013.....	6,262,460	788,755	2,447,268	648,009	-138,973	1,289,216	1,029,935	198,249
2014r.....	7,560,535	1,172,496	2,994,041	785,614	9,946	1,353,052	1,116,006	129,381
2015r.....	8,099,605	1,475,915	4,020,650	503,331	51,624	1,104,099	807,767	136,219
2016r.....	8,481,312	1,652,014	3,410,769	581,428	-27,346	1,421,580	1,289,628	153,237
2017p.....	8,265,797	1,822,753	3,089,931	971,938	-5,421	1,062,286	1,235,550	88,760
Total Net Farm Income								
2013.....	12,408,746	2,515,890	5,874,198	1,460,705	-80,056	1,343,413	1,104,163	190,432
2014r.....	4,918,309	399,900	1,634,299	436,808	-20,343	1,278,667	1,050,607	138,372
2015r.....	8,019,451	1,243,076	3,492,227	732,635	95,643	1,291,284	1,019,350	145,237
2016r.....	9,800,557	2,216,617	4,258,334	669,324	4,062	1,268,073	1,258,442	125,705
2017p.....	9,806,690	2,210,840	3,338,282	1,284,424	18,006	1,510,088	1,331,223	113,826
Farm Debt Outstanding at December 31								
2013.....	79,610,512	17,967,595	11,903,711	7,370,049	5,783,894	21,266,594	13,011,244	2,307,425
2014r.....	84,265,296	18,928,474	13,055,842	7,659,971	6,138,022	22,274,797	13,737,922	2,470,267
2015r.....	89,448,833	20,413,046	12,910,067	8,342,434	6,462,185	23,861,981	14,789,865	2,669,256
2016r.....	96,001,255	21,327,886	14,519,214	9,101,700	6,591,259	25,170,530	16,472,454	2,818,212
2017p.....	102,322,210	23,122,181	15,240,588	9,540,038	6,954,319	27,588,195	16,943,978	2,932,911
Value of Farm Capital at July 1								
2013.....	418,926,516	116,090,902	69,380,329	31,509,564	35,382,682	117,466,051	42,299,143	6,797,844
2014r.....	464,306,998	127,695,501	81,295,383	35,891,541	36,607,030	128,804,977	46,981,034	7,031,531
2015r.....	507,253,796	140,615,186	90,025,029	39,527,245	38,496,601	139,938,147	51,321,758	7,329,829
2016r.....	533,091,657	148,986,417	94,134,037	41,799,544	40,657,716	146,301,407	53,702,814	7,509,722
2017p.....	562,679,017	159,646,018	99,033,996	43,813,572	44,007,762	151,386,299	56,858,621	7,932,750
Value per Acre of Farm Land and Buildings (1) at July 1, Dollars (2)								
2013.....	2,227	1,934	881	1,388	5,060	8,417	4,231	2,221
2014.....	2,460	2,092	1,043	1,583	5,217	9,243	4,718	2,300
2015.....	2,683	2,282	1,159	1,749	5,450	10,063	5,169	2,397
2016.....	2,871	2,485	1,243	1,894	5,806	10,588	5,501	2,519
2017p.....	3,053	2,683	1,322	2,007	6,267	11,050	5,852	2,687

(1) Value per acre of farm land and buildings, at July 1, reflects the value of all farm land, including pasture and unimproved land, plus the value of farm houses, buildings, and other structures.

(2) Figures shown for Atlantic provinces are averages.

Source: Statistics Canada, Tables 31-10-0052-01, 31-10-0051-01, 32-10-0050-01, and 32-10-0047-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 1 Distribution of 2017 Canadian Farm Cash Receipts* (\$ Billions)



- #1 Alberta (22.9%)
- #2 Saskatchewan (22.8%)
- #3 Ontario (21.3%)
- #4 Quebec (14.3%)
- #5 Manitoba (10.6%)

* In 2017, total Canadian farm cash receipts, including direct program payments to producers, was \$61.6 billion.

2017 Farm Cash Receipts - Alberta as a Per Cent of Canada			
Selected Commodities	Alberta	Canada	Alberta as a % of Canada
	\$'000		
Cattle and Calves.....	4,802,285	8,995,844	53.4
Wheat (including Durum).....	2,065,169	6,176,769	33.4
Barley.....	255,592	708,256	36.1
Canola.....	3,072,237	9,917,529	31.0
Dry Peas.....	475,276	1,023,175	46.5
Mustard Seed.....	30,156	97,094	31.1
Hay and Clover.....	172,830	586,487	29.5
Forage and Grass Seed.....	52,834	142,225	37.1
Honey.....	65,967	183,102	36.0

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 2: Farm Cash Receipts by Type, Alberta and Canada, 2016 and 2017

	Alberta				Canada				Alberta
	2016r	2017p	% Chg.	% of Total	2016r	2017p	% of Total	as a % of Canada	
	\$'000	\$'000			\$'000	\$'000			2017
Crop Market Receipts									
Grains and Oilseeds.....	4,996,737	5,493,955	10.0	38.9	21,173,470	22,320,143	5.4	36.2	24.6
Wheat (including Durum).....	1,891,779	2,065,169	9.2	14.6	5,669,774	6,176,769	8.9	10.0	33.4
Oats.....	29,550	29,800	0.8	0.2	461,844	450,960	-2.4	0.7	6.6
Barley.....	269,138	255,592	-5.0	1.8	701,642	708,256	0.9	1.1	36.1
Rye.....	4,014	3,184	-20.7	0.0	42,449	34,103	-19.7	0.1	9.3
Corn.....	11,449	14,215	24.2	0.1	2,057,989	2,008,720	-2.4	3.3	0.7
Flaxseed.....	18,394	21,124	14.8	0.1	254,246	216,574	-14.8	0.4	9.8
Canola.....	2,850,997	3,072,237	7.8	21.8	9,242,093	9,917,529	7.3	16.1	31.0
Soybeans.....	-	-	...	...	2,904,352	2,714,674	-6.5	4.4	...
Deferments.....	-646,896	-613,406	...	...	-2,182,094	-2,100,137	...	...	...
Liquidations.....	568,312	646,040	13.7	4.6	2,021,175	2,192,695	8.5	3.6	29.5
Special Crops.....	931,770	698,501	-25.0	4.9	3,981,444	2,672,834	-32.9	4.3	26.1
Pulses.....	897,558	668,345	-25.5	4.7	3,765,709	2,497,328	-33.7	4.1	26.8
Lentils.....	214,628	127,165	-40.8	0.9	2,006,051	1,089,806	-45.7	1.8	11.7
Dry Beans.....	35,710	40,332	12.9	0.3	183,046	204,505	11.7	0.3	19.7
Dry Peas.....	639,328	475,276	-25.7	3.4	1,461,259	1,023,175	-30.0	1.7	46.5
Chick Peas.....	7,892	25,572	224.0	0.2	115,353	179,842	55.9	0.3	14.2
Mustard Seed.....	34,212	30,156	-11.9	0.2	127,130	97,094	-23.6	0.2	31.1
Sunflower Seed.....	-	-	...	...	16,821	9,012	-46.4	0.0	...
Canary Seed.....	-	-	...	...	71,784	69,400	-3.3	0.1	...
Potatoes.....	240,049	203,902	-15.1	1.4	1,246,952	1,188,520	-4.7	1.9	17.2
Fruits and Vegetables.....	102,552	107,218	4.5	0.8	4,109,795	4,215,091	2.6	6.8	2.5
Greenhouse Vegetables.....	55,675	57,634	3.5	0.4	1,331,163	1,425,900	7.1	2.3	4.0
Other Vegetables.....	44,093	46,160	4.7	0.3	1,704,357	1,741,446	2.2	2.8	2.7
Total Tree Fruits.....	143	222	55.2	0.0	344,096	387,939	12.7	0.6	0.1
Total Small Fruits.....	2,641	3,202	21.2	0.0	730,179	659,806	-9.6	1.1	0.5
Floriculture, Nursery and Sod.....	131,571	130,092	-1.1	0.9	1,796,474	1,765,867	-1.7	2.9	7.4
Forages.....	199,385	225,664	13.2	1.6	634,017	728,712	14.9	1.2	31.0
Forage and Grass Seed.....	37,087	52,834	42.5	0.4	116,342	142,225	22.2	0.2	37.1
Hay and Clover.....	162,298	172,830	6.5	1.2	517,675	586,487	13.3	1.0	29.5
Other Crops.....	72,267	74,774	3.5	0.5	1,182,331	1,225,529	3.7	2.0	6.1
Tobacco.....	-	-	...	...	110,786	134,633	21.5	0.2	...
Ginseng.....	-	-	...	...	239,332	227,904	-4.8	0.4	...
Maple Products.....	-	-	...	...	481,595	496,181	3.0	0.8	...
Forest Products.....	3,073	3,195	4.0	0.0	61,574	64,013	4.0	0.1	5.0
Christmas Trees.....	2,065	1,837	-11.0	0.0	77,603	88,391	13.9	0.1	2.1
Miscellaneous Crops.....	67,129	69,742	3.9	0.5	211,441	214,407	1.4	0.3	32.5
Total Crops.....	6,674,327	6,934,107	3.9	49.1	34,124,481	34,116,692	0.0	55.4	20.3
Livestock and Livestock Products Market Receipts									
Cattle and Calves.....	4,582,949	4,802,285	4.8	34.0	8,795,204	8,995,844	2.3	14.6	53.4
Hogs.....	395,623	425,807	7.6	3.0	4,092,193	4,495,174	9.8	7.3	9.5
Sheep.....	x	436	...	...	11,107	13,453	21.1	0.0	...
Lambs.....	25,060	25,214	0.6	0.2	169,406	170,573	0.7	0.3	14.8
Total Supply Management.....	928,267	963,013	3.7	6.8	10,152,130	10,637,662	4.8	17.3	9.1
Dairy Products.....	561,055	587,782	4.8	4.2	6,174,235	6,564,476	6.3	10.7	9.0
Hens, Chickens and Turkeys....	275,340	277,720	0.9	2.0	2,871,277	2,922,210	1.8	4.7	9.5
Hatcheries and Eggs.....	91,872	97,511	6.1	0.7	1,106,618	1,150,976	4.0	1.9	8.5
Honey.....	71,476	65,967	-7.7	0.5	185,503	183,102	-1.3	0.3	36.0
Furs.....	x	-	...	...	98,450	75,137	-23.7	0.1	...
Miscellaneous Livestock	126,983	132,880	4.6	0.9	455,653	477,578	4.8	0.8	27.8
Total Livestock.....	6,130,890	6,415,601	4.6	45.5	23,959,646	25,048,524	4.5	40.7	25.6

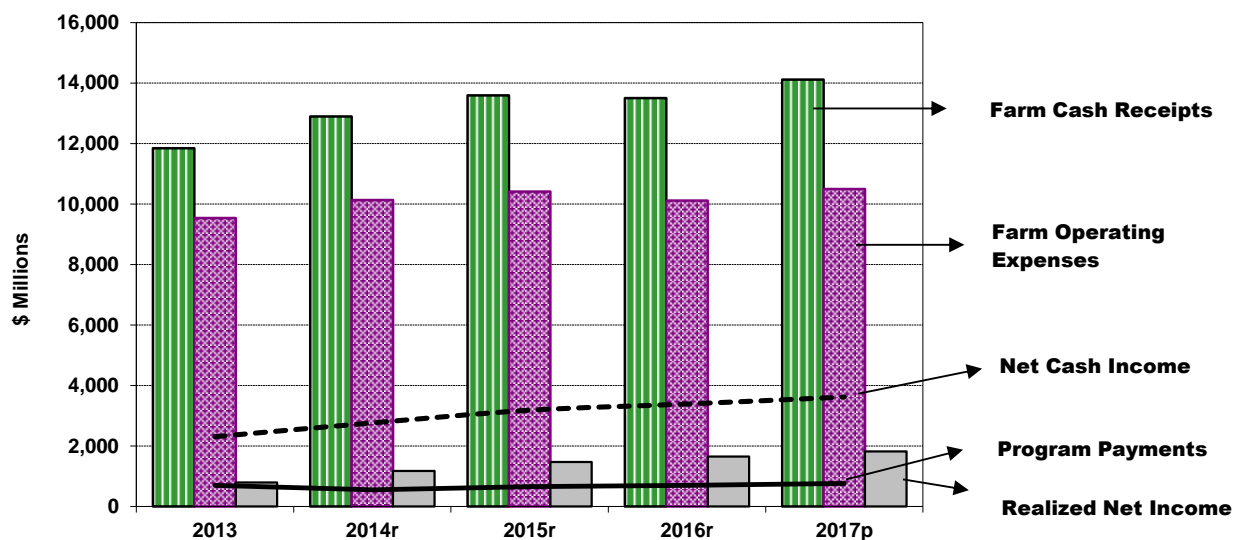
Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 2 (Cont'd.): Farm Cash Receipts by Type, Alberta and Canada, 2016 and 2017

	Alberta				Canada				Alberta as a % of Canada
	2016r	2017p	% of Total	% of Total	2016r	2017p	% of Total	% of Total	
	\$'000	\$'000			% Chg.	\$'000				$'000	% Chg.
Program Payments									
Crop Insurance.....	455,228	472,997	3.9	3.4	1,045,184	1,226,408	17.3	2.0	38.6
Private Hail Insurance.....	73,742	33,636	-54.4	0.2	276,387	107,574	-61.1	0.2	31.3
AgriStability.....	56,214	121,748	116.6	0.9	311,025	356,462	14.6	0.6	34.2
AgriInvest.....	73,108	61,405	-16.0	0.4	297,341	281,386	-5.4	0.5	21.8
AgriRecovery.....	376	7,336	1,851.1	0.1	2,703	8,965	231.7	0.0	81.8
Prov. Stabilization Payments.....	0	0	...	...	329,567	222,995	-32.3	0.4	0.0
Other Payments.....	37,730	67,027	77.6	0.5	179,941	232,109	29.0	0.4	28.9
Total Payments.....	696,398	764,149	9.7	5.4	2,442,148	2,435,899	-0.3	4.0	31.4
Total Farm Cash Receipts.....	13,501,616	14,113,858	4.5	100.0	60,526,275	61,601,115	1.8	100.0	22.9

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 2 Alberta Farm Income Indicators, 2013-2017

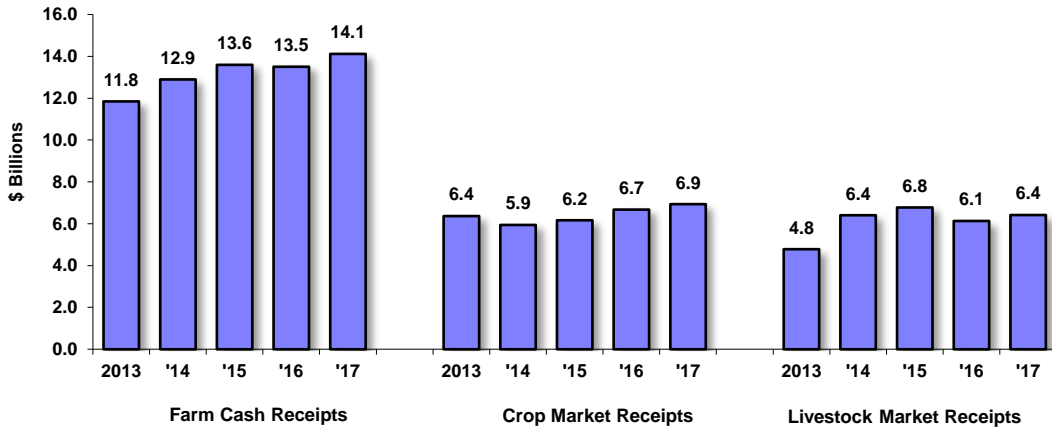


	\$ Millions				
	2013	2014r	2015r	2016r	2017p
Farm Cash Receipts	11,844	12,894	13,592	13,502	14,114
Farm Operating Expenses	9,537	10,131	10,412	10,114	10,496
Realized Net Income	789	1,172	1,476	1,652	1,823
Net Cash Income	2,307	2,763	3,181	3,388	3,618
Program Payments	696	549	653	696	764

Note: Farm operating expenses are after rebates and before depreciation.

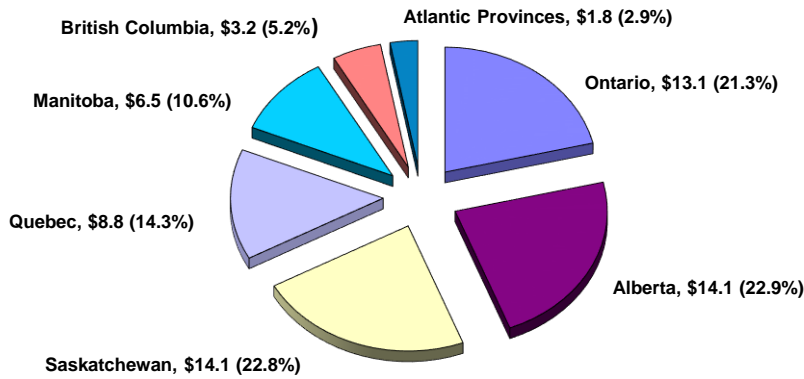
Source: Statistics Canada, Tables 31-10-0045-01 and 31-10-0052-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 3 Alberta Farm Cash Receipts, Crop Market Receipts and Livestock Market Receipts, 2013-2017



Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

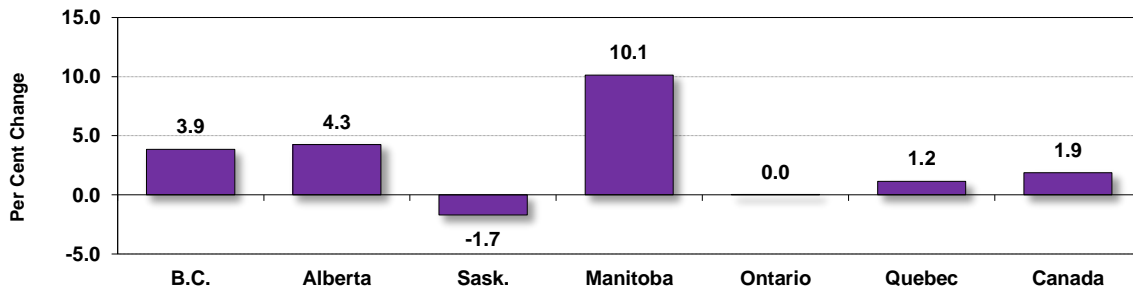
Fig. 4 Distribution of Canadian Farm Cash Receipts (\$ Billions), 2017



Total Canadian Farm Cash Receipts (including direct program payments to producers) in 2017 = \$61.6 Billion

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 5 Per Cent Change in Farm Market Receipts (Crops and Livestock), Canada and Selected Provinces, 2017/2016



Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 3: Alberta Farm Cash Receipts by Type, 1988-2017

	Market Receipts (Includes Crops and Livestock and Livestock Products)												Total Farm Cash Receipts	
	Crops			Livestock and Livestock Products			Livestock and Livestock Products			Program Payments				
	\$'000	% Chg.*	% of Total**	\$'000	% Chg.*	% of Total**	\$'000	% Chg.*	% of Total**	\$'000	% Chg.*	% of Total**	\$'000	% Chg.*
(1)			(2)			(3) = (1+2)			(4)			(5) = (3+4)		
1988.....	1,637,745		36.7	2,081,308		46.6	3,719,053		83.2	748,287		16.8	4,467,340	
1989.....	1,860,196	13.6	40.4	2,179,241	4.7	47.4	4,039,437	8.6	87.8	560,032	-25.2	12.2	4,599,469	3.0
1990.....	1,641,397	-11.8	38.3	2,323,575	6.6	54.2	3,964,972	-1.8	92.6	318,119	-43.2	7.4	4,283,091	-6.9
1991.....	1,537,300	-6.3	36.3	2,256,090	-2.9	53.3	3,793,390	-4.3	89.6	441,528	38.8	10.4	4,234,918	-1.1
1992.....	1,502,321	-2.3	30.3	2,563,910	13.6	51.7	4,066,231	7.2	82.0	890,028	101.6	18.0	4,956,259	17.0
1993.....	1,562,256	4.0	30.9	2,925,608	14.1	57.8	4,487,864	10.4	88.6	576,163	-35.3	11.4	5,064,027	2.2
1994.....	2,162,536	38.4	38.7	3,036,576	3.8	54.4	5,199,112	15.8	93.2	382,209	-33.7	6.8	5,581,321	10.2
1995.....	2,625,273	21.4	44.0	3,166,414	4.3	53.0	5,791,687	11.4	97.0	177,378	-53.6	3.0	5,969,065	6.9
1996.....	2,974,815	13.3	45.6	3,401,506	7.4	52.1	6,376,321	10.1	97.7	151,886	-14.4	2.3	6,528,207	9.4
1997.....	2,637,771	-11.3	40.8	3,609,146	6.1	55.8	6,246,917	-2.0	96.6	217,729	43.4	3.4	6,464,646	-1.0
1998.....	2,469,562	-6.4	38.5	3,713,462	2.9	57.9	6,183,024	-1.0	96.3	235,094	8.0	3.7	6,418,118	-0.7
1999.....	2,341,324	-5.2	35.9	3,971,255	6.9	60.8	6,312,579	2.1	96.7	218,247	-7.2	3.3	6,530,826	1.8
2000.....	2,363,588	1.0	31.2	4,512,132	13.6	59.5	6,875,720	8.9	90.7	707,568	224.2	9.3	7,583,288	16.1
2001.....	2,304,066	-2.5	27.5	5,244,924	16.2	62.7	7,548,990	9.8	90.2	819,427	15.8	9.8	8,368,417	10.4
2002.....	2,214,838	-3.9	26.6	5,062,060	-3.5	60.9	7,276,898	-3.6	87.5	1,038,911	26.8	12.5	8,315,809	-0.6
2003.....	2,027,056	-8.5	28.5	3,706,561	-26.8	52.2	5,733,617	-21.2	80.7	1,368,011	31.7	19.3	7,101,628	-14.6
2004.....	2,656,410	31.0	33.1	3,914,271	5.6	48.8	6,570,681	14.6	82.0	1,442,688	5.5	18.0	8,013,369	12.8
2005.....	2,431,210	-8.5	30.8	4,357,604	11.3	55.1	6,788,814	3.3	85.9	1,116,969	-22.6	14.1	7,905,783	-1.3
2006.....	2,641,147	8.6	34.0	4,192,803	-3.8	53.9	6,833,950	0.7	87.9	945,114	-15.4	12.1	7,779,064	-1.6
2007.....	3,483,643	31.9	40.1	4,300,901	2.6	49.5	7,784,544	13.9	89.6	906,970	-4.0	10.4	8,691,514	11.7
2008.....	4,738,293	36.0	46.6	4,266,464	-0.8	41.9	9,004,757	15.7	88.5	1,173,763	29.4	11.5	10,178,520	17.1
2009.....	4,416,538	-6.8	47.4	4,079,805	-4.4	43.7	8,496,343	-5.6	91.1	829,738	-29.3	8.9	9,326,081	-8.4
2010.....	3,784,264	-14.3	42.0	4,399,754	7.8	48.9	8,184,018	-3.7	90.9	816,899	-1.5	9.1	9,000,917	-3.5
2011.....	5,189,051	37.1	50.4	4,419,074	0.4	42.9	9,608,125	17.4	93.4	681,316	-16.6	6.6	10,289,441	14.3
2012.....	6,476,214	24.8	54.2	4,698,008	6.3	39.3	11,174,222	16.3	93.5	771,606	13.3	6.5	11,945,828	16.1
2013.....	6,365,528	-1.7	53.7	4,782,214	1.8	40.4	11,147,742	-0.2	94.1	696,362	-9.8	5.9	11,844,104	-0.9
2014r.....	5,940,865	-6.7	46.1	6,404,262	33.9	49.7	12,345,127	10.7	95.7	549,219	-21.1	4.3	12,894,345	8.9
2015r.....	6,164,361	3.8	45.4	6,775,254	5.8	49.8	12,939,615	4.8	95.2	652,633	18.8	4.8	13,592,248	5.4
2016r.....	6,674,327	8.3	49.4	6,130,890	-9.5	45.4	12,805,217	-1.0	94.8	696,398	6.7	5.2	13,501,616	-0.7
2017p.....	6,934,107	3.9	49.1	6,415,601	4.6	45.5	13,349,708	4.3	94.6	764,149	9.7	5.4	14,113,858	4.5

* Per cent change from previous year

** Per cent of total farm cash receipts

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 4: Alberta Farm Cash Receipts from the Sale of Crops, 1988-2017

	Crop								
	Market Cash Receipts (1)	Wheat	Oats	Barley	Rye	Flaxseed	Canola	Sugar Beets	Dry Peas
\$'000									
1988.....	1,637,745	686,440	65,551	256,552	7,720	7,217	437,847	19,380	9,595
1989.....	1,860,196	690,843	89,531	376,767	5,921	6,448	419,740	23,342	12,476
1990.....	1,641,397	713,863	37,577	272,197	5,442	8,349	336,232	26,586	10,818
1991.....	1,537,300	685,230	22,770	225,109	4,688	5,128	320,224	20,877	16,933
1992.....	1,502,321	604,720	39,803	192,114	4,628	5,912	388,758	17,277	21,986
1993.....	1,562,256	593,161	50,206	189,381	5,087	9,312	414,540	21,965	29,910
1994.....	2,162,536	840,653	45,835	265,713	6,318	9,186	773,332	26,627	50,332
1995.....	2,625,273	1,064,743	70,856	332,953	7,305	8,933	709,701	32,401	60,518
1996.....	2,974,815	1,241,345	88,387	470,725	7,330	9,094	794,467	27,008	59,406
1997.....	2,637,771	1,012,666	52,002	324,076	6,691	7,481	755,087	30,062	59,277
1998.....	2,469,562	863,418	34,220	198,273	4,182	7,832	881,378	38,402	59,516
1999.....	2,341,324	975,506	22,980	174,266	3,632	5,118	608,212	29,651	57,229
2000.....	2,363,588	959,622	20,708	220,607	2,978	5,616	556,266	32,899	53,893
2001.....	2,304,066	938,302	31,469	213,676	3,520	4,379	584,239	19,333	70,349
2002.....	2,214,838	817,337	42,195	159,809	2,718	4,897	530,186	20,072	48,053
2003.....	2,027,056	652,550	20,742	156,647	1,519	3,953	624,433	22,732	58,140
2004.....	2,656,410	964,469	23,715	209,184	9,748	7,695	785,822	30,921	78,434
2005.....	2,431,210	800,040	39,939	140,403	2,930	4,278	742,610	32,140	78,000
2006.....	2,641,147	816,087	30,535	143,172	5,350	3,295	990,705	38,180	81,637
2007.....	3,483,643	1,239,947	38,799	340,801	8,673	7,318	1,207,425	34,726	113,003
2008.....	4,738,293	1,870,461	28,308	388,240	9,693	8,784	1,855,050	23,543	122,289
2009.....	4,416,538	1,691,336	27,015	267,130	4,584	7,158	1,647,729	22,690	133,833
2010.....	3,784,264	1,142,010	32,335	161,321	5,241	8,396	1,694,906	23,222	151,316
2011.....	5,189,051	1,594,004	48,160	247,647	7,808	8,320	2,626,269	36,061	255,315
2012.....	6,476,214	2,104,347	126,191	303,318	9,287	21,733	3,076,848	x	291,010
2013.....	6,365,528	2,243,959	41,272	469,441	5,475	19,010	2,575,760	x	325,785
2014r.....	5,940,865	1,905,765	34,755	331,106	3,046	24,232	2,513,915	x	306,838
2015r.....	6,164,361	1,979,940	37,355	361,259	3,910	27,756	2,641,074	x	351,246
2016r.....	6,674,327	1,891,779	29,550	269,138	4,014	18,394	2,850,997	x	639,328
2017p.....	6,934,107	2,065,169	29,800	255,592	3,184	21,124	3,072,237	x	475,276

(1) Includes market receipts only (does not include program payments).

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

**Table 4 (Cont'd.): Alberta Farm Cash Receipts from the Sale of Crops,
1988-2017**

	Mustard Seed	Sunflower Seed	Lentils	Forage and Grass Seed	Hay and Clover	Potatoes	Total Vegetables	Floriculture, Nursery and Sod	Other Crops (2)
\$'000									
1988.....	5,649	776	1,682	23,838	12,390	41,471	35,018	54,432	-27,813
1989.....	7,431	701	800	14,400	18,709	43,135	37,294	53,639	59,019
1990.....	6,622	463	852	15,709	16,802	40,141	45,412	62,984	41,348
1991.....	6,181	603	1,259	13,497	18,473	39,103	36,254	56,139	64,832
1992.....	6,763	796	2,619	23,186	26,409	38,892	38,964	66,295	23,199
1993.....	6,180	1,089	2,270	24,959	42,505	52,960	45,300	61,511	11,920
1994.....	8,225	943	3,362	22,256	47,372	44,981	x	58,129	-40,728
1995.....	14,227	1,764	6,553	18,716	65,316	57,362	51,534	61,188	61,203
1996.....	16,628	1,499	4,620	30,407	60,338	61,515	52,713	54,713	-5,380
1997.....	14,897	1,065	2,022	29,860	82,867	52,140	56,676	68,349	82,553
1998.....	15,022	1,277	2,253	30,757	85,679	63,862	60,365	54,515	68,611
1999.....	12,959	1,102	3,469	40,601	95,346	74,892	53,706	66,136	116,519
2000.....	6,592	1,456	3,406	42,091	123,065	113,095	63,537	90,203	67,554
2001.....	4,451	1,633	1,875	19,804	145,714	107,144	65,364	99,306	-6,492
2002.....	7,959	1,597	900	22,999	151,870	146,783	61,873	103,129	92,461
2003.....	11,582	1,537	1,578	21,381	122,792	133,474	68,802	95,156	30,038
2004.....	14,803	788	2,232	17,532	114,801	164,615	77,982	97,665	56,004
2005.....	12,172	0	1,761	29,675	96,176	138,406	80,705	113,123	118,852
2006.....	6,662	-	2,112	41,626	94,219	152,116	82,009	130,982	22,460
2007.....	21,444	-	618	37,236	101,533	139,201	66,426	136,835	-10,342
2008.....	25,097	-	0	28,424	87,339	154,802	59,075	119,717	-42,529
2009.....	22,356	-	7,319	21,941	108,436	163,811	62,568	121,164	107,468
2010.....	21,316	-	18,636	17,789	104,103	152,880	61,857	122,937	65,999
2011.....	17,545	-	32,726	20,773	77,705	142,186	68,897	121,884	-116,249
2012.....	16,441	-	22,180	28,682	95,009	174,737	74,769	118,056	13,606
2013.....	27,032	-	33,120	29,144	100,507	160,794	86,072	122,943	125,214
2014r.....	22,734	-	49,078	24,115	117,651	170,142	93,947	144,424	199,117
2015r.....	28,543	-	107,477	36,796	153,673	190,460	97,609	139,120	8,143
2016r.....	34,212	-	214,628	37,087	162,298	240,049	99,768	131,571	51,514
2017p.....	30,156	-	127,165	52,834	172,830	203,902	103,794	130,092	190,952

(2) Other crops include strawberries, other berries and grapes, corn, forest products and miscellaneous crops plus net deferments. As of 2012, also includes sugar beets.

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 5: Alberta Farm Cash Receipts from the Sale of Livestock, 1988-2017

	Livestock Market Cash Receipts (1)	Cattle and Calves	Supply Management					Other Livestock and Products		
			Hogs	Sheep and Lambs (2)	Total Supply Mgmt.	Dairy Products	Chickens, Hens and Turkeys		Eggs and Hatcheries (3)	Honey
\$'000										
1988.....	2,081,308	1,400,573	259,397	7,978	368,728	238,186	87,729	42,813	10,139	34,493
1989.....	2,179,241	1,474,780	265,031	8,695	386,966	246,982	96,267	43,717	9,001	34,768
1990.....	2,323,575	1,573,696	298,895	8,081	397,210	251,207	104,035	41,968	11,666	34,027
1991.....	2,256,090	1,537,410	276,091	7,386	393,359	250,093	99,609	43,657	11,666	30,178
1992.....	2,563,910	1,815,960	276,903	13,245	392,086	248,537	97,595	45,954	13,001	52,715
1993.....	2,925,608	2,109,871	322,885	14,513	395,852	244,663	103,708	47,481	13,352	69,135
1994.....	3,036,576	2,191,208	315,333	13,100	421,021	257,843	112,680	50,498	15,609	80,305
1995.....	3,166,414	2,221,065	381,812	14,394	430,846	265,643	112,404	52,799	19,689	98,608
1996.....	3,401,506	2,347,628	444,585	17,145	471,041	290,753	125,115	55,173	19,693	101,414
1997.....	3,609,146	2,541,552	438,374	15,297	484,647	316,826	129,373	38,448	22,857	106,419
1998.....	3,713,462	2,763,190	309,938	12,763	485,205	311,460	136,058	37,687	30,734	111,632
1999.....	3,971,255	2,968,144	344,341	13,385	498,662	327,063	133,836	37,763	25,832	120,891
2000.....	4,512,132	3,340,203	496,616	16,080	495,745	318,454	138,249	39,042	19,911	143,577
2001.....	5,244,924	3,918,165	572,119	14,050	547,600	348,378	156,730	42,492	24,312	168,678
2002.....	5,062,060	3,845,765	437,343	19,118	555,215	366,827	143,638	44,750	45,679	158,940
2003.....	3,706,561	2,512,011	427,552	15,799	579,715	384,704	149,290	45,721	57,450	114,034
2004.....	3,914,271	2,571,540	564,882	12,092	595,024	382,979	161,594	50,451	53,075	117,658
2005.....	4,357,604	3,032,268	522,224	17,801	611,693	398,675	165,771	47,247	39,229	134,389
2006.....	4,192,803	2,939,546	475,765	18,527	590,562	382,094	161,726	46,742	40,247	128,156
2007.....	4,300,901	3,024,332	444,386	20,563	654,205	426,818	180,217	47,170	36,494	120,921
2008.....	4,266,464	2,966,595	411,755	17,615	723,978	459,317	208,853	55,808	34,423	112,098
2009.....	4,079,805	2,863,875	331,151	16,897	723,526	462,344	206,158	55,024	44,293	100,063
2010.....	4,399,754	3,121,625	368,597	17,596	738,835	478,363	204,689	55,783	53,199	99,902
2011.....	4,419,074	3,025,722	416,649	21,562	805,024	504,142	237,141	63,741	57,963	92,154
2012.....	4,698,008	3,254,744	412,639	17,971	850,103	520,665	259,157	70,281	64,579	97,972
2013.....	4,782,214	3,319,944	419,089	14,229	858,114	514,937	262,405	80,772	71,033	99,805
2014r.....	6,404,262	4,812,907	498,097	19,241	863,861	530,455	251,816	81,590	76,966	133,190
2015r.....	6,775,254	5,223,436	411,752	26,254	890,435	544,106	263,329	83,000	82,601	140,776
2016r.....	6,130,890	4,582,949	395,623	25,060	928,267	561,055	275,340	91,872	71,476	127,515
2017p.....	6,415,601	4,802,285	425,807	25,650	963,013	587,782	277,720	97,511	65,967	132,879

(1) Includes market receipts only (does not include program payments).

(2) In 2005, and 2009 through 2016 only includes farm cash receipts for lambs as sheep was confidential.

(3) As of 1997, includes hatcheries.

Source: Statistics Canada, Table 31-10-0045-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 6: Alberta Farm Operating Expenses and Depreciation, 1988-2017

	Property Taxes	Cash and Share Rent	Cash Wages, Room and Board	Net Interest Payments	Interest Rebates	Net Heating Fuel	Heating Fuel Rebates	Machine Repairs and Other
\$'000								
1988.....	73,023	178,018	279,957	395,963	12,532	23,547	3,975	312,724
1989.....	77,731	193,581	299,212	389,571	10,322	26,940	2,813	349,523
1990.....	83,221	193,583	311,033	397,129	9,954	29,520	2,294	362,680
1991.....	86,581	191,491	320,431	486,373	9,378	31,561	2,600	362,209
1992.....	89,763	200,742	330,312	431,422	9,136	32,044	300	367,851
1993.....	92,579	223,028	350,243	421,382	8,907	37,215	0	388,268
1994.....	97,347	230,911	385,411	451,622	9,308	43,312	0	419,988
1995.....	101,677	245,485	397,238	484,555	7,150	40,956	0	424,188
1996.....	101,840	273,794	419,792	461,133	8,108	44,167	0	434,102
1997.....	104,985	276,068	443,858	433,811	7,370	42,956	0	428,979
1998.....	106,035	280,876	451,559	488,807	4,956	41,254	0	423,670
1999.....	104,975	289,707	477,408	528,940	4,010	49,524	0	443,786
2000.....	104,965	293,230	488,071	570,609	6,109	58,734	2,700	456,002
2001.....	100,254	306,339	510,367	564,618	5,588	63,023	13,000	469,118
2002.....	95,300	317,700	528,599	515,389	5,914	55,635	199	482,612
2003.....	95,130	329,197	521,161	514,223	5,802	75,386	2,133	481,550
2004.....	95,330	325,664	514,865	496,236	5,591	74,678	3,702	488,187
2005.....	94,337	329,745	535,821	495,519	5,076	84,020	3,511	502,229
2006.....	93,709	337,219	548,607	578,406	4,837	75,454	6,279	500,754
2007.....	92,491	372,553	561,699	633,767	3,902	79,126	3,134	533,699
2008.....	93,878	444,791	586,270	651,387	2,916	86,508	4,004	552,863
2009.....	95,756	417,875	588,603	523,032	1,933	70,217	3,792	551,790
2010.....	96,618	435,848	617,277	508,428	1,295	73,964	0	555,116
2011.....	96,134	486,702	623,450	521,752	0	73,224	0	582,872
2012.....	100,171	518,762	673,326	541,708	0	60,043	0	614,930
2013.....	105,180	576,400	690,159	595,324	0	65,447	0	627,229
2014r.....	109,387	562,504	707,413	613,596	0	82,464	0	664,863
2015r.....	112,996	598,764	725,098	644,411	0	69,682	0	701,430
2016r.....	116,160	637,385	739,600	656,258	0	64,456	0	722,473
2017p.....	118,716	652,749	758,090	713,225	0	67,228	1,096	740,535

Source: Statistics Canada, Table 31-10-0049-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

**Table 6 (Cont'd.): Alberta Farm Operating Expenses and Depreciation,
1988-2017**

	Net Machinery Fuel	Machinery Fuel Rebates	Net Fertilizer and Lime Purchases	Fertilizer and Lime Rebates	Other Net Crop Expenses (1)	Net Commercial Feed Purchases	Commercial Feed Rebates	Livestock and Poultry Purchases
\$'000								
1988.....	197,379	7,130	266,985	16,146	300,280	286,467	47,262	306,019
1989.....	210,055	4,758	290,624	18,143	349,000	351,437	47,614	343,527
1990.....	275,213	3,822	274,108	19,666	314,566	304,741	38,752	311,343
1991.....	260,285	3,037	262,887	20,575	310,371	284,925	33,358	310,081
1992.....	244,926	283	302,421	6,229	299,709	303,025	43,658	360,716
1993.....	272,427	0	331,613	0	339,555	343,668	43,254	505,337
1994.....	307,670	0	404,855	0	399,072	448,265	35,452	485,562
1995.....	323,419	0	466,420	0	446,862	614,783	8,750	421,404
1996.....	345,783	0	511,742	0	496,058	723,615	0	359,280
1997.....	352,695	0	474,698	0	536,574	820,146	0	534,495
1998.....	309,773	0	482,946	0	552,029	831,461	0	646,744
1999.....	315,717	0	476,887	0	570,248	778,338	0	959,764
2000.....	384,869	0	513,237	0	555,806	858,881	0	1,088,588
2001.....	381,717	0	556,862	0	582,673	1,007,575	0	1,048,436
2002.....	336,526	0	546,838	0	613,849	1,300,213	0	630,026
2003.....	360,741	0	590,585	0	708,377	1,117,687	0	629,363
2004.....	390,313	0	602,397	0	710,117	960,783	0	664,532
2005.....	488,784	0	613,351	0	746,399	897,809	0	843,816
2006.....	518,804	0	659,243	0	767,457	895,569	0	789,772
2007.....	540,276	0	794,656	0	825,341	1,107,912	0	638,896
2008.....	649,198	0	973,848	0	1,052,911	1,246,000	0	648,424
2009.....	474,549	0	1,007,583	0	1,070,614	1,157,596	0	665,651
2010.....	501,318	0	900,789	0	1,095,746	1,018,860	0	795,397
2011.....	616,119	0	1,103,467	0	1,204,959	1,069,803	0	874,581
2012.....	643,845	0	1,412,438	0	1,365,143	1,223,855	0	881,813
2013.....	676,037	0	1,306,505	0	1,514,403	1,272,809	0	813,072
2014r.....	723,359	0	1,339,168	0	1,458,002	1,247,353	0	1,246,403
2015r.....	578,687	0	1,325,776	0	1,433,403	1,328,431	0	1,479,756
2016r.....	532,392	0	1,272,745	0	1,561,171	1,361,642	0	999,444
2017p.....	593,617	0	1,209,108	0	1,566,183	1,360,280	0	1,219,289

(1) Other Net Crop Expenses include pesticides, commercial seed, irrigation, crop and hail insurance premiums and twine/wire/containers.

Source: Statistics Canada, Table 31-10-0049-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 6 (Cont'd.): Alberta Farm Operating Expenses and Depreciation, 1988-2017

	Repairs to Buildings and Fences	Electricity and Telephone	Misc. (2)	Operating Expenses After Rebates	Depreciation on Buildings	Depreciation on Machinery	Total Depreciation	Total Expenses After Rebates Including Depreciation
\$'000								
1988.....	97,155	86,472	303,969	3,107,958	91,662	594,835	686,497	3,794,455
1989.....	93,286	92,178	354,593	3,421,258	102,907	613,341	716,248	4,137,506
1990.....	101,047	97,161	351,845	3,407,190	110,192	635,196	745,388	4,152,578
1991.....	102,381	103,834	427,886	3,541,296	107,711	618,859	726,570	4,267,866
1992.....	105,285	110,314	467,057	3,645,587	103,490	614,152	717,642	4,363,229
1993.....	115,976	119,670	472,230	4,013,191	103,495	631,920	735,415	4,748,606
1994.....	127,565	128,366	414,159	4,344,105	113,442	672,385	785,827	5,129,932
1995.....	124,698	140,568	416,677	4,648,930	130,539	719,751	850,290	5,499,220
1996.....	136,269	148,520	419,449	4,875,544	143,410	780,346	923,756	5,799,300
1997.....	137,813	153,901	385,953	5,126,932	160,864	827,614	988,478	6,115,410
1998.....	134,486	146,933	379,717	5,276,290	172,513	863,876	1,036,389	6,312,679
1999.....	136,874	151,036	434,472	5,717,676	179,748	893,053	1,072,801	6,790,477
2000.....	143,403	161,120	470,866	6,148,381	189,743	895,230	1,084,973	7,233,354
2001.....	146,742	176,872	543,956	6,458,552	199,448	922,739	1,122,187	7,580,739
2002.....	139,953	206,182	552,304	6,321,126	205,405	906,122	1,111,527	7,432,653
2003.....	141,821	215,537	543,109	6,323,867	209,345	935,091	1,144,436	7,468,303
2004.....	143,714	205,897	562,323	6,235,036	215,690	924,891	1,140,581	7,375,617
2005.....	148,488	206,446	582,269	6,569,034	219,253	963,359	1,182,611	7,751,645
2006.....	148,480	223,638	619,313	6,756,426	221,197	973,363	1,194,559	7,950,985
2007.....	156,208	242,339	647,824	7,226,787	235,145	1,003,572	1,238,716	8,465,503
2008.....	162,773	246,727	675,508	8,071,086	261,252	1,021,176	1,282,428	9,353,513
2009.....	159,014	229,412	690,412	7,702,104	258,619	1,077,108	1,335,727	9,037,831
2010.....	160,918	225,973	748,406	7,734,658	265,365	1,057,933	1,323,298	9,057,957
2011.....	154,481	250,197	834,307	8,492,047	269,619	1,123,378	1,392,998	9,885,045
2012.....	164,522	271,122	841,471	9,313,149	281,138	1,173,316	1,454,453	10,767,602
2013.....	169,458	268,166	856,768	9,536,957	291,361	1,236,326	1,527,688	11,064,645
2014r.....	177,931	264,948	933,611	10,131,001	295,694	1,307,277	1,602,971	11,733,972
2015r.....	190,386	256,275	966,412	10,411,507	296,265	1,422,220	1,718,484	12,129,992
2016r.....	192,290	245,252	1,012,383	10,113,652	286,951	1,460,725	1,747,676	11,861,327
2017p.....	195,174	237,163	1,064,337	10,495,694	287,030	1,520,201	1,807,231	12,302,925

(2) Miscellaneous expenses include business insurance, custom work, stabilization premiums, artificial insemination and veterinary fees, legal and accounting fees and other expenses, less any other rebates.

Source: Statistics Canada, Table 31-10-0049-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 7: Alberta Net Farm Income, 1988-2017

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
	Total Farm Cash Receipts	Operating Expenses After Rebates	(1-2) Net Cash Income	Income in Kind	Depreciation Charges	(3+4-5) Realized Net Income	Value of Inventory Change	(6+7) Total Net Farm Income
	\$'000							
1988.....	4,467,340	3,107,958	1,359,382	13,229	686,497	686,114	85,899	772,013
1989.....	4,599,469	3,421,258	1,178,211	13,130	716,248	475,093	99,799	574,892
1990.....	4,283,091	3,407,190	875,901	13,139	745,388	143,652	202,391	346,043
1991.....	4,234,918	3,541,296	693,622	12,326	726,570	-20,622	164,210	143,588
1992.....	4,956,259	3,645,587	1,310,672	12,830	717,642	605,860	-160,060	445,800
1993.....	5,064,027	4,013,191	1,050,836	14,955	735,415	330,376	601,179	931,555
1994.....	5,581,321	4,344,105	1,237,216	15,549	785,827	466,938	103,018	569,956
1995.....	5,969,065	4,648,930	1,320,135	15,153	850,290	484,998	396,563	881,561
1996.....	6,528,207	4,875,544	1,652,663	16,518	923,756	745,425	13,800	759,225
1997.....	6,464,646	5,126,932	1,337,714	9,305	988,478	358,541	-61,562	296,979
1998.....	6,418,118	5,276,290	1,141,828	8,631	1,036,389	114,070	190,282	304,352
1999.....	6,530,826	5,717,676	813,150	8,402	1,072,801	-251,249	491,929	240,680
2000.....	7,583,288	6,148,381	1,434,907	9,048	1,084,973	358,982	29,821	388,803
2001.....	8,368,417	6,458,552	1,909,865	8,977	1,122,187	796,655	-258,676	537,979
2002.....	8,315,809	6,321,126	1,994,683	8,386	1,111,527	891,542	-1,066,029	-174,487
2003.....	7,101,628	6,323,867	777,761	8,302	1,144,436	-358,373	941,157	582,784
2004.....	8,013,369	6,235,036	1,778,333	10,880	1,140,581	648,632	507,193	1,155,825
2005.....	7,905,783	6,569,034	1,336,750	14,449	1,182,611	168,588	287,055	455,642
2006.....	7,779,064	6,756,426	1,022,638	10,876	1,194,559	-161,045	-286,598	-447,642
2007.....	8,691,514	7,226,787	1,464,727	8,154	1,238,716	234,164	-289,055	-54,891
2008.....	10,178,520	8,071,086	2,107,434	8,051	1,282,428	833,057	738,440	1,571,498
2009.....	9,326,081	7,702,104	1,623,977	7,011	1,335,727	295,261	-623,961	-328,700
2010.....	9,000,917	7,734,658	1,266,258	7,497	1,323,298	-49,543	321,963	272,420
2011.....	10,289,441	8,492,047	1,797,394	8,728	1,392,998	413,124	526,436	939,560
2012.....	11,945,828	9,313,149	2,632,679	8,653	1,454,453	1,186,878	-517,981	668,897
2013.....	11,844,104	9,536,957	2,307,146	9,296	1,527,688	788,755	1,727,135	2,515,890
2014r.....	12,894,345	10,131,001	2,763,344	12,123	1,602,971	1,172,496	-772,596	399,900
2015r.....	13,592,248	10,411,507	3,180,741	13,659	1,718,484	1,475,915	-232,839	1,243,076
2016r.....	13,501,616	10,113,652	3,387,964	11,726	1,747,676	1,652,014	564,603	2,216,617
2017p.....	14,113,858	10,495,694	3,618,163	11,821	1,807,231	1,822,753	388,087	2,210,840

Source: Statistics Canada, Table 31-10-0052-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 8: Value of Alberta Farm Capital and Value Per Acre of Farm Land and Buildings, at July 1, 1988-2017

	Livestock and Poultry	Land and Buildings	Machinery and Equipment	Total Farm Capital	Value of Farm Land and Buildings (1)
					\$/Acre
\$'000					
1988.....	3,048,758	19,159,142	5,523,052	27,730,952	374
1989.....	3,236,197	21,091,994	5,790,087	30,118,278	411
1990.....	3,351,948	22,169,169	6,124,730	31,645,847	432
1991.....	3,499,557	21,291,475	6,079,438	30,870,470	414
1992.....	3,394,565	20,798,399	5,982,777	30,175,741	405
1993.....	4,087,167	21,147,301	6,209,895	31,444,363	413
1994.....	4,637,627	23,017,810	6,640,116	34,295,553	450
1995.....	4,191,096	26,302,921	7,109,304	37,603,321	515
1996.....	3,792,358	28,696,985	7,458,676	39,948,019	553
1997.....	4,581,994	31,761,777	7,767,975	44,111,746	611
1998.....	4,766,483	34,217,431	8,258,258	47,242,172	658
1999.....	5,235,172	35,894,547	8,545,928	49,675,647	690
2000.....	6,294,818	37,520,833	8,588,902	52,404,553	721
2001.....	6,872,033	38,872,514	8,684,163	54,428,710	747
2002.....	5,938,611	41,970,588	8,902,738	56,811,937	806
2003.....	4,745,685	44,950,634	9,072,927	58,769,246	863
2004.....	3,791,175	48,505,355	9,219,494	61,516,024	931
2005.....	4,650,202	52,739,434	9,467,913	66,857,549	1,012
2006.....	5,415,571	57,101,345	9,680,138	72,197,054	1,095
2007.....	5,188,070	62,315,967	9,826,559	77,330,596	1,203
2008.....	4,469,827	71,100,340	9,961,453	85,531,619	1,381
2009.....	4,314,929	72,947,427	10,188,996	87,451,352	1,426
2010.....	4,474,378	76,932,467	10,600,968	92,007,812	1,514
2011.....	5,686,741	80,371,125	10,933,208	96,991,073	1,592
2012.....	6,236,200	87,296,486	11,434,688	104,967,374	1,725
2013.....	5,818,758	98,138,012	12,134,132	116,090,902	1,934
2014.....	8,518,432	106,399,668	12,777,401	127,695,501	2,092
2015r.....	10,795,095	116,325,913	13,494,178	140,615,186	2,282
2016r.....	7,866,971	127,016,602	14,102,844	148,986,417	2,485
2017p.....	8,057,720	136,822,119	14,766,178	159,646,018	2,683

(1) Value per acre of farm land and buildings, at July 1, reflects the value of all farm land, including pasture and unimproved land, plus the value of farm houses, buildings, and other structures.

Source: Statistics Canada, Tables 32-10-0050-01 and 32-10-0047-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 9: Alberta Farm Debt Outstanding by Lender, at December 31, 1988-2017

	Chartered Banks	Federal Gov't Agencies (1)	Provincial Gov't Agencies (2)	Credit Unions	Other (3)	Advance Payment Programs	Total Debt at Year End
\$'000							
1988.....	2,385,487	568,601	1,735,406	146,000	547,821	85,954	5,469,269
1989.....	2,611,875	487,126	1,899,786	176,000	547,821	21,397	5,744,005
1990.....	2,669,062	428,274	1,930,615	216,750	615,308	318,985	6,178,994
1991.....	2,868,250	409,507	1,994,467	222,000	615,308	291,912	6,401,444
1992.....	2,787,663	386,705	1,971,709	228,500	594,548	257,810	6,226,935
1993.....	2,957,253	370,798	1,974,000	236,000	576,623	244,935	6,359,609
1994.....	3,078,729	384,142	1,963,940	249,750	578,059	144,294	6,398,914
1995.....	3,177,512	449,450	1,950,592	278,750	630,834	145,580	6,632,718
1996.....	3,247,877	550,539	1,810,124	311,500	798,809	175,356	6,894,205
1997.....	3,673,817	702,042	1,741,163	344,250	965,123	113,846	7,540,241
1998.....	4,137,918	806,589	1,753,953	389,500	969,355	116,561	8,173,876
1999.....	4,456,500	927,045	1,793,995	411,257	985,014	118,617	8,692,428
2000.....	4,613,459	951,550	1,976,111	458,031	1,030,569	132,329	9,162,049
2001.....	4,675,587	1,076,162	2,114,858	508,550	1,076,122	109,799	9,561,078
2002.....	4,775,517	1,182,368	2,171,862	554,094	1,181,570	50,904	9,916,315
2003.....	5,046,257	1,366,847	2,333,345	604,241	1,155,822	106,754	10,613,266
2004.....	5,029,303	1,610,617	2,247,985	650,994	1,256,157	85,938	10,880,994
2005.....	5,029,246	1,895,609	2,253,519	673,517	1,017,811	109,656	10,979,358
2006.....	5,080,269	2,168,670	2,303,300	711,918	1,179,664	138,825	11,582,646
2007.....	5,135,147	2,460,342	2,333,473	724,204	1,127,318	129,774	11,910,258
2008.....	5,470,315	2,866,816	2,390,460	732,039	1,468,244	219,358	13,147,232
2009.....	5,186,997	3,384,132	2,495,938	692,847	1,835,466	202,081	13,797,461
2010.....	5,759,885	3,667,581	2,629,920	684,144	1,670,056	173,830	14,585,416
2011.....	6,025,203	3,956,736	2,845,357	692,342	1,230,606	192,159	14,942,403
2012.....	5,971,910	4,348,093	3,239,532	722,024	1,588,015	156,949	16,026,523
2013.....	6,461,091	4,529,680	3,625,182	779,697	2,219,793	352,152	17,967,595
2014r.....	7,068,461	4,710,953	4,216,986	796,280	1,748,736	387,058	18,928,474
2015r.....	7,777,639	4,823,147	4,652,763	851,982	1,962,180	345,335	20,413,046
2016r.....	7,847,797	5,168,907	4,895,879	897,940	2,156,339	361,024	21,327,886
2017p.....	8,700,314	5,752,399	5,232,611	934,400	2,158,124	344,333	23,122,181

(1) Includes loans made through the Farm Credit Corporation and Business Development Bank of Canada.

(2) Includes loans made through Alberta Treasury Branches and the Alberta Agriculture Financial Services Corporation.

(3) Includes insurance, trust companies, supply companies, private individuals and others.

Source: Statistics Canada, Table 31-10-0051-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

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Table 10: Population of Canada and Provinces on July 1, 2003-2017

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alberta	B.C.	Yukon/ NWT (1)	Canada
Number of Persons												
2003.....	518,445	137,221	937,676	749,434	7,485,491	12,243,758	1,163,528	996,431	3,182,852	4,123,937	102,857	31,641,630
2004.....	517,402	137,681	939,612	749,408	7,535,278	12,390,068	1,173,223	997,312	3,238,387	4,155,017	104,616	31,938,004
2005.....	514,315	138,064	937,899	748,044	7,581,192	12,527,990	1,178,296	993,523	3,321,638	4,195,764	105,639	32,242,364
2006.....	510,584	137,865	937,869	745,609	7,631,873	12,661,566	1,183,524	992,302	3,421,361	4,241,691	106,261	32,570,505
2007.....	509,039	137,721	935,071	745,407	7,692,736	12,764,195	1,189,366	1,002,048	3,514,031	4,290,988	107,326	32,887,928
2008.....	511,543	138,764	935,865	746,855	7,761,504	12,882,625	1,197,774	1,017,346	3,595,755	4,349,412	108,330	33,245,773
2009.....	516,729	139,909	938,194	749,954	7,843,475	12,997,687	1,208,589	1,034,782	3,679,092	4,410,679	109,481	33,628,571
2010.....	521,972	141,678	942,073	753,044	7,929,365	13,135,063	1,220,930	1,051,425	3,732,573	4,465,924	111,227	34,005,274
2011.....	525,037	144,038	944,469	755,530	8,007,656	13,263,544	1,233,728	1,066,349	3,790,191	4,499,139	113,099	34,342,780
2012.....	526,450	145,080	944,943	756,777	8,085,906	13,413,702	1,250,265	1,086,018	3,880,755	4,546,290	114,359	34,750,545
2013r.....	527,399	145,198	943,049	755,710	8,151,331	13,555,754	1,265,588	1,104,825	3,997,950	4,590,081	115,485	35,152,370
2014r.....	528,386	145,915	942,209	754,700	8,210,533	13,680,425	1,280,912	1,120,639	4,108,416	4,646,462	116,751	35,535,348
2015r.....	528,815	146,791	941,545	753,944	8,254,912	13,789,597	1,295,422	1,131,150	4,177,527	4,694,699	118,111	35,832,513
2016r.....	530,305	149,472	948,618	757,384	8,321,888	13,976,320	1,318,115	1,148,588	4,236,376	4,757,658	119,880	36,264,604
2017p.....	528,817	152,021	953,869	759,655	8,394,034	14,193,384	1,338,109	1,163,925	4,286,134	4,817,160	120,975	36,708,083
Five-Year % Change: 2017/2013	0.3	4.7	1.1	0.5	3.0	4.7	5.7	5.3	7.2	4.9	4.8	4.4
% Share of Canada in 2017	1.4	0.4	2.6	2.1	22.9	38.7	3.6	3.2	11.7	13.1	0.3	100.0

(1) Includes Yukon, Northwest Territories and Nunavut.

Source: Statistics Canada, Table 17-10-0005-01

Table 11: Alberta Urban and Rural Population (1), 1981-2016

	1981	1986	1991	1996	2001	2006	2011	2016	% Chg. '16/'11
Number of Persons									
Total Population (2).....	2,237,724	2,365,830	2,545,555	2,696,826	2,974,807	3,290,350	3,645,257	4,067,175	11.6
% Change From Previous Census.....	21.7	5.7	7.6	5.9	10.3	10.6	10.8	11.6	...
0 to 14 Years.....	541,670	561,350	601,110	614,485	617,585	631,520	684,790	779,155	13.8
15 to 64 Years.....	1,532,675	1,613,145	1,713,900	1,815,435	2,048,820	2,305,425	2,554,745	2,787,800	9.1
65 Years and Over.....	163,395	191,325	230,550	266,905	308,395	353,420	405,720	500,220	23.3
Population - Urban Areas (3).....	1,727,545	1,877,760	2,030,895	2,142,815	2,405,160	2,699,851	3,030,402	3,399,372	12.2
% Change From Previous Census.....	25.3	8.7	8.2	5.5	12.2	12.3	12.2	12.2	...
Urban Population as a % of Total.....	77.2	79.4	79.8	79.5	80.9	82.1	83.1	83.6	...
Population Centre Size Groups.....	-	-	-	-	-	-	3,060,402	3,430,772	12.1
Less Than 30,000 (Small).....	-	-	-	-	-	-	576,575	622,738	8.0
30,000 to 99,999 (Medium).....	-	-	-	-	-	-	398,408	507,735	27.4
100,000 and Over (Large).....	-	-	-	-	-	-	2,055,419	2,300,299	11.9
Population - Rural Areas (4).....	510,179	488,070	514,660	554,011	569,647	590,499	614,855	667,803	8.6
% Change From Previous Census.....	11.2	-4.3	5.4	7.7	2.8	3.7	4.1	8.6	...
Rural Population as a % of Total.....	22.8	20.6	20.2	20.5	19.1	17.9	16.9	16.4	...
Median Age (5).....	26.9	29.2	31.3	33.4	35.0	36.0	36.5	36.7	...

(1) Statistics Canada conducts the Census of Population once every five years (beginning of June from 1976 to 1991 and mid-May from 1996 to 2016). The 2016 Census was conducted on May 10, 2016. Note: Totals may not add up due to rounding.

(2) Excludes census data for one or more incompletely enumerated Indian Reserves or Indian settlements.

(3) Urban areas refers to those continuously built-up areas having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on the previous census. Starting with the 2011 Census, the term "population centre" replaces the term "urban area". Population centres are classified into one of three population size groups (small, medium and large).

(4) Rural areas refers to all areas outside urban areas ("population centres" in 2016), that is, all areas with fewer than 1,000 inhabitants and a population density below 400 persons per square kilometre.

(5) The median age is an age "x", such that exactly one half of the population is older than "x" and the other half is younger than "x".

Source: Statistics Canada, Census of Population

Table 12: Alberta Employed Labour Force (1) in Agri-Food Industries, 1998-2017

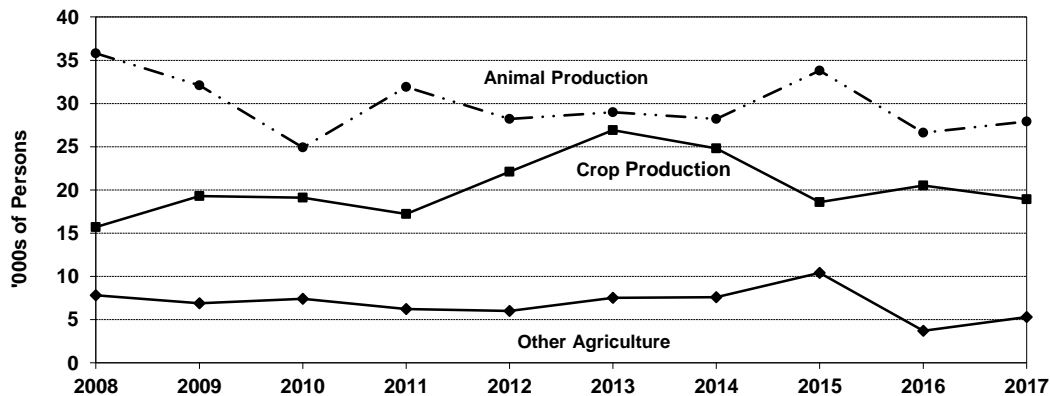
	Agriculture Industries								Manufacturing Industries		
	All Industries	Animal Production							Total Manufacturing	Food and Beverage	Total Agri-Food Industries
		Crop Production	Cattle Ranching and Farming		Other Animal Production	Mixed Farming	Support Activities	Total Agriculture			
			Total	Total							
'000s of Persons											
1998.....	1,508.9	25.8	42.8	31.8	11.0	19.1	2.2	90.0	125.4	20.2	110.2
1999.....	1,543.2	27.2	42.2	29.9	12.3	10.3	2.1	81.8	134.7	18.3	100.1
2000.....	1,583.1	20.8	40.7	28.8	11.9	7.7	-	70.6	137.6	18.9	89.5
2001.....	1,627.4	16.5	33.0	20.6	12.4	8.6	1.5	59.5	139.2	22.1	81.6
2002.....	1,673.8	15.4	35.5	23.5	12.0	7.2	2.3	60.4	147.6	28.3	88.7
2003.....	1,729.0	20.6	37.3	25.6	11.7	5.3	2.2	65.3	147.1	25.3	90.6
2004.....	1,774.8	17.2	41.0	29.7	11.3	5.5	1.5	65.2	146.6	26.2	91.4
2005.....	1,820.4	17.3	28.7	20.7	8.0	8.5	-	55.9	134.4	22.4	78.3
2006.....	1,911.6	14.1	27.2	18.4	8.8	9.3	1.8	52.4	140.9	27.4	79.8
2007.....	1,991.0	14.8	26.9	18.5	8.4	6.2	1.9	49.8	144.4	22.7	72.5
2008.....	2,053.9	15.7	35.8	25.0	10.8	4.9	3.0	59.3	140.3	23.0	82.3
2009.....	2,029.7	19.3	32.1	21.6	10.5	4.9	1.9	58.3	123.4	20.7	79.0
2010.....	2,023.7	19.1	24.9	17.2	7.7	5.4	2.0	51.4	125.2	22.6	74.0
2011.....	2,099.5	17.2	31.9	20.0	11.9	4.1	2.1	55.3	133.7	20.1	75.4
2012.....	2,172.5	22.1	28.2	17.0	11.2	3.8	2.2	56.3	137.6	19.5	75.8
2013.....	2,226.2	26.9	29.0	17.6	11.4	3.9	3.5	63.4	142.7	27.4	90.8
2014.....	2,274.6	24.8	28.2	16.5	11.7	5.4	2.2	60.6	144.5	25.5	86.1
2015.....	2,301.1	18.6	33.8	17.6	16.2	6.8	3.7	62.8	139.9	26.4	89.2
2016.....	2,263.8	20.5	26.6	16.6	10.0	1.5	2.3	50.8	115.5	22.4	73.2
2017.....	2,286.9	18.9	27.9	17.4	10.5	2.9	2.3	52.1	119.2	23.0	75.1
% Share of All Industries in 2017											
	100.0	0.8	1.2	0.8	0.5	0.1	0.1	2.3	5.2	1.0	3.3

Note: Totals may not add up due to rounding.

(1) Annual averages for employed labour force refers to persons 15 years of age and over who (a) did any work during the reference period or (b) had a job but were not at work due to illness or disability; personal or family responsibilities; bad weather; labour disputes; vacation; or other reasons not specified. Work includes any work for pay or profit. It also includes unpaid family work which contributes directly to the operation of a farm, business or professional practice owned or operated by a related member of the household.

Source: Statistics Canada, Table 14-10-0023-01; and Labour Statistics Division

Fig. 6 Employment in Alberta Agriculture Industries, 2008-2017



Source: Statistics Canada, Table 14-10-0023-01 ; and Labour Statistics Division

Table 13: Selected Economic Indicators, Canada and Alberta, 1981-2017

	Consumer Price Index (2002=100) (1)				Canada Interest Rates		Canada - United States Exchange Rate	
	Canada		Alberta		Bank Rate (2)	Prime Rate (3)	Canada\$ per US\$	US\$ per Canada\$
	All Items Index	Food	All Items Index	Food				
1981.....	49.5	54.3	49.8	54.4	17.93	19.29	1.1989	0.8341
1982.....	54.9	58.2	55.4	58.3	13.96	15.81	1.2337	0.8105
1983.....	58.1	60.4	58.2	60.1	9.55	11.17	1.2324	0.8114
1984.....	60.6	63.6	59.8	62.9	11.31	12.06	1.2951	0.7722
1985.....	63.0	65.5	61.6	65.6	9.65	10.58	1.3655	0.7323
1986.....	65.6	68.8	63.7	68.9	9.21	10.52	1.3895	0.7197
1987.....	68.5	71.8	66.2	71.8	8.40	9.52	1.3260	0.7542
1988.....	71.2	73.7	68.0	73.1	9.69	10.83	1.2307	0.8125
1989.....	74.8	76.5	70.9	74.1	12.29	13.33	1.1840	0.8446
1990.....	78.4	79.6	75.0	78.0	13.04	14.06	1.1668	0.8571
1991.....	82.8	83.4	79.4	82.9	9.03	9.94	1.1457	0.8728
1992.....	84.0	83.1	80.6	83.1	6.78	7.48	1.2087	0.8273
1993.....	85.6	84.5	81.4	80.2	5.09	5.94	1.2901	0.7751
1994.....	85.7	84.8	82.6	80.7	5.77	6.88	1.3657	0.7322
1995.....	87.6	86.9	84.5	83.0	7.31	8.65	1.3724	0.7286
1996.....	88.9	88.0	86.4	85.1	4.53	6.06	1.3635	0.7334
1997.....	90.4	89.4	88.1	88.1	3.52	4.96	1.3846	0.7222
1998.....	91.3	90.8	89.2	89.3	5.10	6.60	1.4835	0.6741
1999.....	92.8	92.0	91.4	90.8	4.92	6.44	1.4857	0.6731
2000.....	95.4	93.3	94.5	92.8	5.77	7.27	1.4854	0.6732
2001.....	97.8	97.4	96.7	97.0	4.31	5.81	1.5488	0.6456
2002.....	100.0	100.0	100.0	100.0	2.71	4.21	1.5703	0.6368
2003.....	102.8	101.7	104.4	101.4	3.19	4.69	1.4010	0.7138
2004.....	104.7	103.8	105.9	102.9	2.50	4.00	1.3013	0.7685
2005.....	107.0	106.4	108.1	104.8	2.92	4.42	1.2114	0.8255
2006.....	109.1	108.9	112.3	107.8	4.31	5.81	1.1343	0.8816
2007.....	111.4	111.8	117.9	111.4	4.60	6.10	1.0740	0.9311
2008.....	114.1	115.7	121.6	115.0	3.21	4.73	1.0671	0.9371
2009.....	114.4	121.4	121.5	120.4	0.65	2.40	1.1415	0.8760
2010.....	116.5	123.1	122.7	121.8	0.85	2.60	1.0301	0.9708
2011.....	119.9	127.7	125.7	125.6	1.25	3.00	0.9893	1.0109
2012.....	121.7	130.8	127.1	128.1	1.25	3.00	0.9994	1.0006
2013.....	122.8	132.4	128.9	130.8	1.25	3.00	1.0301	0.9707
2014.....	125.2	135.5	132.2	134.6	1.25	3.00	1.1047	0.9052
2015.....	126.6	140.5	133.7	139.6	0.88	2.78	1.2788	0.7820
2016.....	128.4	142.6	135.2	141.5	0.75	2.70	1.3256	0.7544
2017.....	130.4	142.7	137.2	141.7	0.96	2.91	1.2979	0.7705

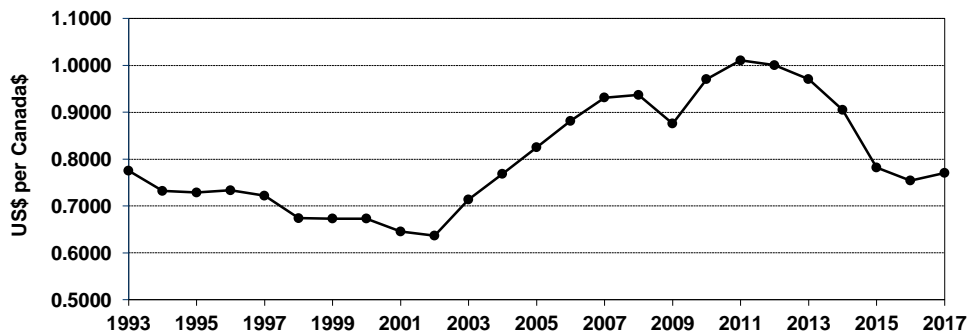
(1) The Consumer Price Index (CPI) measures the percentage change through time in the cost of purchasing a constant "basket" of goods and services representing the purchases by a particular population group in a specified time period. The All Items Index includes these components: food; shelter; household operations and furnishings; clothing and footwear; transportation; health and personal care; recreation; education and reading; and alcoholic beverages and tobacco products. Food includes non-alcoholic beverages.

(2) The Bank Rate is the minimum rate at which the Bank of Canada makes short-term advances to the chartered banks.

(3) The Canada Prime Rate or the Chartered Bank Rate on Prime Business Loans is the rate charged to the most credit-worthy borrowers.

Source: Statistics Canada, Tables 18-10-0005-01, 10-10-0122-01, and 10-10-0009-01

Fig. 7 Canada - U.S. Exchange Rate (US\$ per Canada\$), 1993-2017



Source: Statistics Canada, Tables 10-10-0009-01 and 33-10-0163-01

Table 14: Alberta Gross Domestic Product (GDP) for Agri-Food Industries in Chained (2007) Dollars, 2011-2017

	2011	2012	2013r	2014r	2015r	2016r	2017p	2013	2014r	2015r	2016r	2017p
	At Basic Prices in Chained (2007) Dollars (\$ Millions)							% Change				
All Alberta Industries.....	269,508.4	280,280.4	296,431.8	313,785.6	301,457.2	290,613.2	304,708.6	5.8	5.9	-3.9	-3.6	4.9
Agri-Food Industries (1).....	5,662.9	5,451.9	6,175.7	5,871.2	5,806.4	6,336.0	6,492.7	13.3	-4.9	-1.1	9.1	2.5
Agriculture Industries.....	2,940.1	2,867.0	3,539.3	3,139.8	2,987.7	3,449.6	3,513.8	23.4	-11.3	-4.8	15.5	1.9
Crop and Animal Production.....	2,852.2	2,784.7	3,443.1	3,045.5	2,892.3	3,347.0	3,405.8	23.6	-11.5	-5.0	15.7	1.8
Support Activities for Agriculture..	87.9	82.3	96.2	94.3	95.4	102.6	108.0	16.9	-2.0	1.2	7.5	5.3
Manufacturing Industries.....	17,765.9	17,745.7	18,274.2	18,805.8	17,561.2	16,323.1	17,651.1	3.0	2.9	-6.6	-7.1	8.1
Food and Beverage Industries..	2,722.8	2,584.9	2,636.4	2,731.4	2,818.7	2,886.4	2,978.9	2.0	3.6	3.2	2.4	3.2
Food Industries.....	2,313.3	2,153.2	2,168.8	2,247.8	2,342.0	2,422.1	2,504.6	0.7	3.6	4.2	3.4	3.4
Beverage Industries.....	409.5	431.7	467.6	483.6	476.7	464.3	474.3	8.3	3.4	-1.4	-2.6	2.2

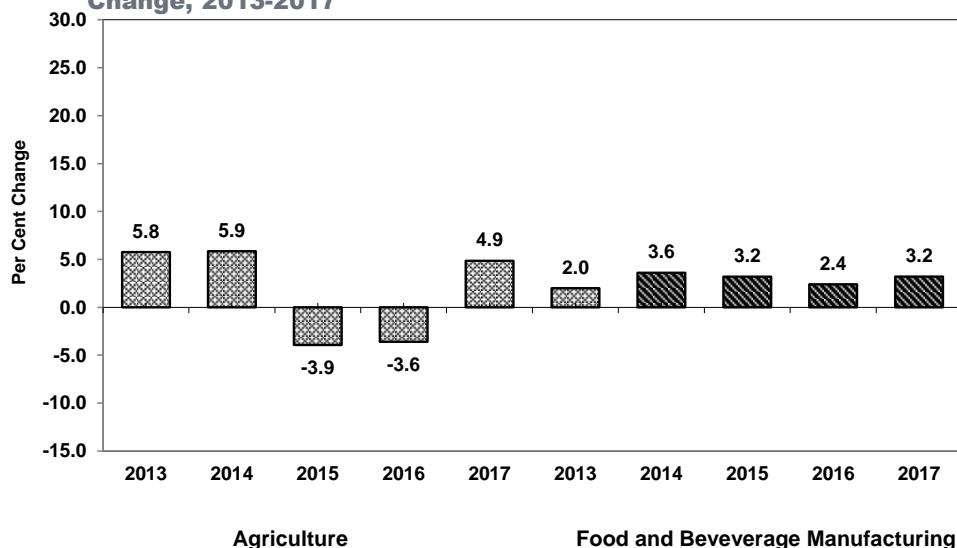
(1) The totals for agri-food industries shown in this table include agriculture industries and food manufacturing industries.

Note: The official measure of GDP published by Statistics Canada is expressed in Chained Fisher 2007 reference dollars. The Chained Fisher measure is an aggregation formula that more accurately weights the contribution of each industry in the total economy (or an aggregate of sum set of elemental industries) according to more current weights instead of weights from some fixed year in the past. To arrive at the Chained Fisher measure, a Chained index of change for each industry and for any chosen aggregate of industries is first derived, individually; the aggregates are not a simple sum of the component industries. This index is then converted to a dollar series by choosing a "reference year" (2007) for the dollar units. The dollar series is then built up by applying the index to the reference year dollar and thereby presenting the changes expressed in the index into dollars.

So, while the Chained Fisher measure provides a much better valuation of each industry in the current year, this measure does not come without its own set of drawbacks. One drawback is that time series expressed in Chained Fisher units cannot be added up. To obtain aggregates, summing of the components must be done at a much earlier phase in the calculation. For example, the total for crop and animal production is calculated as one estimation, then the separate totals for crop production and livestock production are estimated.

Source: Statistics Canada, Table 36-10-0402-01

Fig. 8 Alberta GDP for Agriculture Industries and Food Manufacturing Industries at Basic Prices in Chained (2007) Dollars - Annual Per Cent Change, 2013-2017



Source: Statistics Canada, Table 36-10-0402-01

Table 15: Capital Investment Expenditures in Alberta Agri-Food Industries (1), 2008-2017

	Manufacturing Industries				Agriculture Industries (2)				Total Agri-Food Industries (3)	
	All Alberta Industries	Total Manuf.	Food Beverage	Food and Beverage	Crop Production	Animal Production	Support Services	Total Agriculture		
\$ Millions										
2008.....	69,969.8	2,844.7	91.7	26.3	118.0	456.5	476.5	19.9	952.9	1,070.9
2009.....	49,516.0	1,364.0	93.9	15.7	109.6	724.1	338.2	18.7	1,081.0	1,190.6
2010.....	61,228.2	1,295.3	48.5	23.1	71.6	724.1	338.1	26.6	1,088.8	1,160.4
2011.....	70,389.3	1,641.9	63.5	26.1	89.6	920.5	300.2	45.0	1,265.7	1,355.3
2012.....	78,605.8	1,526.4	145.5	16.6	162.1	982.1	295.7	22.9	1,300.7	1,462.8
2013.....	91,681.7	2,091.7	187.9	26.6	214.5	1,202.5	338.3	28.9	1,569.7	1,784.2
2014.....	97,800.2	2,473.8	224.7	31.1	255.8	1,220.5	367.1	x	1,587.6	1,843.4
2015.....	75,676.2	2,599.5	214.0	60.8	274.8	1,226.6	357.9	2.9	1,587.4	1,862.2
2016r.....	60,827.1	2,127.9	167.4	44.8	212.2	1,029.0	371.9	x	1,400.9	1,613.1
2017p.....	57,165.1	1,473.6	160.0	40.8	200.8	1,095.9	362.6	x	1,458.5	1,659.3
% Share of All Industries in 2017										
	100.0	2.6	0.3	0.1	0.4	1.9	0.6	-	2.6	2.9
% Change From Previous Year										
2009.....	-29.2	-52.1	2.4	-40.3	-7.1	58.6	-29.0	-6.0	13.4	11.2
2010.....	23.7	-5.0	-48.3	47.1	-34.7	0.0	0.0	42.2	0.7	-2.5
2011.....	15.0	26.8	30.9	13.0	25.1	27.1	-11.2	69.2	16.2	16.8
2012.....	11.7	-7.0	129.1	-36.4	80.9	6.7	-1.5	-49.1	2.8	7.9
2013.....	16.6	37.0	29.1	60.2	32.3	22.4	14.4	26.2	20.7	22.0
2014.....	6.7	18.3	19.6	16.9	19.3	1.5	8.5	-	1.1	3.3
2015.....	-22.6	5.1	-4.8	95.5	7.4	0.5	-2.5	-	0.0	1.0
2016r.....	-19.6	-18.1	-21.8	-26.3	-22.8	-16.1	3.9	-	-11.7	-13.4
2017p.....	-6.0	-30.7	-4.4	-8.9	-5.4	6.5	-2.5	-	4.1	2.9

(1) Statistics Canada conducts The Capital and Repair Expenditure Survey (CAPEX) to generate data on investment made in Canada in all types of industries. Information on capital expenditures provides a useful indication of market conditions in the economy as a whole and in specific industries. Statistics Canada has undertaken a comprehensive redesign of CAPEX. For more information on conceptual and methodological changes, access Statistics Canada website at: http://www23.statcan.gc.ca/imdb-bmdi/document/2803_D16_T9_V1-eng.htm.

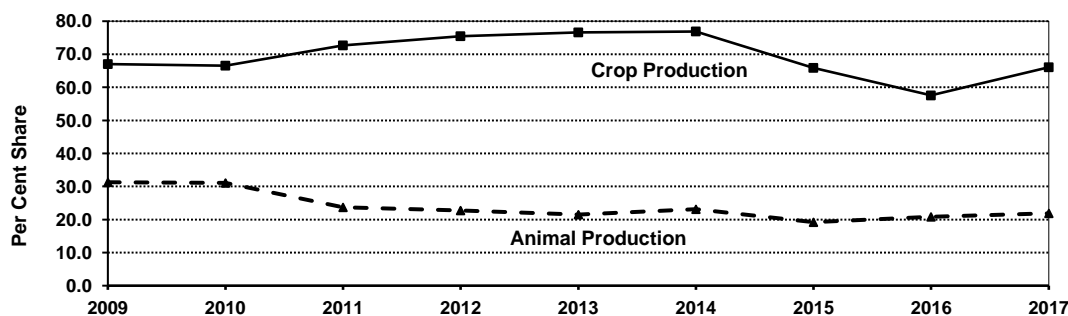
Capital investment expenditures refers to the cost of procuring, constructing and installing new durable plant and machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others. Also included are all capitalized costs such as feasibility studies, architectural, legal, installation and engineering fees, the value of capital assets put in place by firms either by contract or with their own labour force, as well as the capitalized interest charges on loans with which capital projects are financed. Gross outlays have been reported without any deduction for scrap, trade-in value of old assets and include any grants and/or subsidies received.

2) Agriculture industries refer to establishments growing crops, raising animals or producing animal products as well as establishments providing support services for crops and livestock production. Note: The figures shown above for "Support Services" include estimates for the forestry industry (separate data for agriculture are not available due to confidentiality).

(3) Agri-food industries is the sum of food and beverage manufacturing industries plus agriculture industries.

Source: Statistics Canada, Table 34-10-0035-01

Fig. 9 Alberta Capital Investment Expenditures for Crop and Animal Production, Per Cent Share of Total Agriculture Industries, 2009-2017



Source: Statistics Canada, Table 34-10-0035-01

Table 16: Alberta Average Hourly Wage Rates for Agriculture and Other Major Industries, 2013-2017

	2013	2014	2015	2016	2017p	2016	2017p
	\$/Hour					% Change	
Total Employees, All Industries.....	27.68	28.12	29.06	29.61	30.01	1.9	1.4
Goods-Producing Sector.....	32.15	32.91	33.75	35.38	35.94	4.8	1.6
Agriculture.....	16.24	17.64	19.51	20.57	21.05	5.4	2.3
Males.....	17.34	18.30	21.67	21.04	21.56	-2.9	2.5
Females.....	14.46	16.19	15.76	19.23	20.21	22.0	5.1
Full-Time (1) - Both Sexes.....	16.26	17.92	20.24	20.69	21.35	2.2	3.2
Part-Time (1) - Both Sexes.....	16.08	15.81	17.16	19.86	19.20	15.7	-3.3
By Age Group - Both Sexes							
15 Years and Over.....	16.24	17.64	19.51	20.57	21.05	5.4	2.3
15 to 24 Years.....	16.07	15.43	16.46	16.52	16.29	0.4	-1.4
25 to 54 Years.....	16.02	18.12	21.49	22.18	22.89	3.2	3.2
55 Years and Over.....	17.54	x	21.67	21.77	24.71	0.5	13.5
Forestry, Fishing, Mining, Oil and Gas.....	39.63	39.64	40.81	42.80	43.96	4.9	2.7
Utilities.....	38.08	40.09	42.70	42.37	47.72	-0.8	12.6
Construction.....	29.84	30.65	32.13	33.43	33.12	4.0	-0.9
Manufacturing.....	28.12	28.84	29.38	30.81	31.03	4.9	0.7
Services-Producing Sector.....	26.00	26.30	27.37	27.84	28.16	1.7	1.1
Wholesale and retail trade.....	20.76	21.21	22.26	22.38	23.39	0.5	4.5
Transportation and Warehousing.....	29.40	28.52	29.31	28.80	31.27	-1.7	8.6
Finance, Insurance, Real Estate, Leasing.....	27.89	28.97	29.47	29.96	29.91	1.7	-0.2
Professional, Scientific, Technical Services...	35.39	34.57	36.67	37.61	35.35	2.6	-6.0
Business, Building, Other Support Services...	22.32	21.84	24.14	23.69	23.09	-1.9	-2.5
Educational Services.....	31.17	31.50	33.20	33.92	33.91	2.2	0.0
Health Care and Social Assistance.....	29.37	29.51	29.89	30.99	31.51	3.7	1.7
Information, Culture and Recreation.....	23.46	24.18	24.70	23.92	23.82	-3.2	-0.4
Accommodation and Food Services.....	14.86	15.25	15.58	15.65	16.23	0.4	3.7
Other Services.....	22.75	24.36	25.11	24.93	24.27	-0.7	-2.6
Public Administration.....	34.79	35.91	36.64	38.14	38.85	4.1	1.9

(1) Full-time employees usually work 30 hours or more per week at their main job. Part-time employees usually work less than 30 hours per week.
Note: Industry refers to the general nature of the business carried out by the employer for whom the individual (respondent) works, that is, the main job.

Source: Statistics Canada, Table 14-10-0064-01

Table 17: Farm Bankruptcies*, Canada and Provinces, 1998-2017

	Number							Other Canada (1)
	Canada	Alberta	British Columbia	Sask.	Manitoba	Ontario	Quebec	
1998.....	244	55	5	92	27	12	47	6
1999.....	243	45	6	99	29	17	42	5
2000.....	213	38	14	76	18	20	40	7
2001.....	220	44	6	64	19	23	57	7
2002.....	228	36	16	53	43	38	33	9
2003.....	225	47	16	59	28	23	46	6
2004.....	228	56	4	64	27	34	31	12
2005.....	239	65	6	75	26	27	35	5
2006.....	218	16	7	79	36	29	39	12
2007.....	140	15	1	50	14	21	30	9
2008.....	127	6	6	34	22	31	20	8
2009.....	91	5	1	13	14	22	27	9
2010.....	61	6	3	3	6	15	25	3
2011.....	68	1	1	13	5	18	17	13
2012.....	47	3	2	3	7	12	14	6
2013.....	66	5	2	5	13	18	13	10
2014.....	25	1	3	1	2	3	14	1
2015.....	20	3	1	3	0	2	10	1
2016.....	28	0	3	3	2	2	12	6
2017.....	25	0	0	4	3	1	13	4

Note: Starting in 2003, bankruptcies are based on the North American Industrial Classification System (NAICS). Data for prior years are based on the 1980 Standard Industrial Classification System (SIC) and may include proposals.

*Farm bankruptcies include only crop production and animal production.

(1) Includes Atlantic Provinces, Yukon, Northwest Territories and Nunavut.

Source: Innovation, Science and Economic Development Canada, Office of the Superintendent of Bankruptcy Canada

Table 18: Alberta Average Farm Input Prices, 2016 and 2017

Item	Specifications	2016	2017	% Change
		\$		'17/'16
Lumber, construction grade.....	. 2x6, spruce, thousand board feet (M)	609.11	767.59	26.0
Lumber, rough grade.....	. 2x8, spruce, thousand board feet (M)	771.52	991.64	28.5
Sheathing, plywood.....	. unsanded, spruce, 9.6 mm, 4'x8' sheet	17.97	19.27	7.2
Fence posts.....	. standard grade, treated, 3"-4" x 7' post	6.08	6.73	10.6
Concrete, ready-mix.....	. 20 MPA strength, cubic metre	236.41	236.91	0.2
Nails.....	. standard grade, 4" spiral, 50 lb box	82.21	82.54	0.4
Pipe, plastic.....	. 1" diameter, 75 PSI, 100' coil	60.42	62.99	4.2
Rods, steel reinforcing.....	. 10 mm x 6 metre	6.24	7.11	13.9
Barbed wire.....	. 12 gauge, double strand, 40 kg spool	69.31	69.89	0.8
Grain bin, hopper-bottom*.....	. 4,000 bushel capacity	15,498.67	16,446.19	6.1
Truck tires, 1st line, blackwall.....	. LT285-70R-17 radial, enviro tax inc'd	304.62	304.13	-0.2
Storage battery.....	. 12 volts, 24 series, 525 cranking amps	103.85	111.74	7.6
V-Belt, implement.....	. 1/2" X 70" fibre belt	14.78	15.86	7.3
Antifreeze.....	. ethylene glycol, anti-corrosive, 4 litre	14.94	15.57	4.2
Mechanical repairs.....	. farm machinery, shop & labour, per hour	126.21	129.53	2.6
Baler twine.....	. plastic, 28,000' bale	31.94	33.24	4.1
General farm labour.....	. full time, without board, per month	3,392.99	3,457.22	1.9
Tractor.....	. 105-130 hp, 6 cylinder diesel, fwd	140,993.03	146,254.31	3.7
Tractor.....	. 325-375 hp, 6-8 cylinder diesel, 4wd	386,257.50	389,257.32	0.8
Combine, self-propelled*.....	. diesel, 323-374 hp, twin, cross or axial rotary	469,684.57	486,426.30	3.6
Air drill*.....	. 40'-42', with packer wheels, 325 bu, 3 compartment tank	274,830.69	308,569.96	12.3
Sprayer.....	. pull-type, 800-900 gallon tank, 90'-100' boom	68,878.66	68,021.99	-1.2
Round baler.....	. pull-type, PTO driven, 5'x6' hard core bale	58,494.49	59,043.15	0.9
Double disc.....	. heavy duty tandem, 19'-21', 22" blades	57,527.53	60,787.05	5.7
Truck, 3/4 ton.....	. V-8, 5.4L or 5.9L, 4x4, 4 speed auto trans.	46,431.81	48,850.60	5.2
Calf starter ration*.....	. pellets, 13-20%, bagged 25 kg	15.54	16.43	5.7
Dairy supplement*.....	. pellets, 32%, bagged 25 kg	19.09	20.50	7.4
Feedlot supplement*.....	. pellets, 32% (excl. Ionophore), bagged 25 kg	15.93	17.07	7.2
Hog grower ration*.....	. pellets, 15-17%, bagged 25 kg	15.50	15.98	3.1
Swine supplement*.....	. pellets, 35-40%, bagged 25 kg	21.25	22.00	3.5
Broiler grower complete feed*.....	. 18-20%, bagged 25 kg	16.26	17.62	8.4
Cattle mineral, salt free*.....	. 18% phosphorus:18% calcium, 20 kg	32.62	30.51	-6.5
Feed barley.....	. No. 1, non-board, farm gate, bushel	3.78	3.45	-8.8
Feed wheat.....	. No. 1, non-board, farm gate, bushel	4.94	4.70	-4.8
Feed oats**.....	. good quality, non-board, farm gate, bushel	2.53	2.51	-0.5
Hay, good quality.....	. baled, over 50% alfalfa, farm gate, ton	120.72	116.39	-3.6
Fertilizer, Urea.....	. 46-0-0, tonne, bulk	521.10	500.13	-4.0
Fertilizer, Monammonium Phosphate.....	. 11-51-0, tonne, bulk	755.03	691.99	-8.4
Fertilizer, Anhydrous Ammonia.....	. 82-0-0, tonne, bulk (applicator inc'd)	924.00	883.25	-4.4
Refine SG*.....	. granular, 486 g	282.25	283.31	0.4
Assert 300 SC.....	. liquid, 10.8 litres	233.96	236.72	1.2
Roundup WeatherMax.....	. liquid, 10 litres	73.50	74.92	1.9
Penicillin G, injectable.....	. short-acting, 300 mg/ml, 250 ml	19.60	19.00	-3.1
Vitamin A, D and E, injectable.....	. IU/cc: A-500,000, D-75,000, E-50, 250 ml	29.24	32.08	9.7
Seed; wheat.....	. certified No. 1, 100 kg, bulk	51.98	52.88	1.7
Seed; barley.....	. certified No. 1, 100 kg, bulk	41.19	40.48	-1.7
Seed; Roundup Ready Herbicide Tolerant Canola.....	. certified No. 1, treated, not incl. TUA, 22.7 kg, bagged	470.83	475.50	1.0
Seed; Liberty Link Herbicide Tolerant Canola.....	. certified No. 1, treated, not incl. TUA, 22.7 kg, bagged	600.65	614.37	2.3
Gasoline, marked.....	. regular unleaded, 100 litres	81.00	89.52	10.5
Diesel fuel, marked.....	. 100 litres (provincial allowance deducted)	78.56	89.04	13.3
Propane.....	. liquefied, bulk, 100 litres	59.11	63.85	8.0
Natural gas.....	. excl. service/delivery, provincial rebate deducted, GJ	2.24	2.40	6.9
Electricity.....	. farm use, excl. service/delivery, 100 kWh	4.28	3.62	-15.5
Oil, for diesel engines*.....	. 15W-40, enviro tax inc'd, 5 litres	20.39	21.14	3.7

* Specification changed as of January 2012 ** New input as of January 2012

Note: The prices reported are simple averages for the province and are based on a survey conducted in the first week of each month.

Source: Agricultural Input Monitoring System (AIMS), Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 19: Alberta Agricultural Real Estate Average Value by C.L.I., 1998-2017

	C.L.I.1	C.L.I.2	C.L.I.3	C.L.I.4	C.L.I.5	C.L.I.6	Other	All Classes
	\$/Acre							
1998.....	1,385.43	848.91	728.87	558.91	837.11	1,013.09	506.81	742.08
1999.....	1,321.34	837.47	667.32	601.96	793.59	1,132.81	529.48	735.58
2000.....	1,521.93	877.78	767.75	653.39	1,044.62	774.86	659.65	808.33
2001.....	1,415.79	940.81	787.01	701.57	1,128.64	867.22	717.28	852.71
2002.....	1,482.34	1,102.35	884.87	754.25	992.49	1,199.75	727.67	928.56
2003.....	1,545.94	1,035.85	855.10	715.12	934.91	1,067.81	707.09	880.54
2004.....	2,043.81	1,097.85	1,033.00	777.41	1,199.85	1,294.05	777.65	1,035.54
2005.....	2,507.80	1,328.57	1,016.66	874.72	1,191.14	1,475.92	1,095.38	1,143.17
2006.....	2,713.41	1,409.38	1,276.18	967.79	1,278.82	1,103.45	1,260.51	1,280.66
2007.....	2,470.07	1,684.57	1,521.55	1,279.26	1,436.00	1,712.48	1,751.05	1,536.16
2008.....	2,711.67	1,824.39	1,523.35	1,307.19	1,621.20	1,577.81	1,444.21	1,571.02
2009.....	3,231.91	2,006.18	1,411.10	1,192.25	1,875.83	1,388.36	1,508.10	1,585.49
2010.....	3,007.36	1,798.49	1,632.16	1,345.44	1,587.32	1,858.80	1,629.09	1,656.22
2011.....	1,831.92	1,846.44	1,713.24	1,404.93	2,021.56	1,554.65	1,550.41	1,679.49
2012.....	2,990.60	2,120.95	1,927.73	1,567.22	1,878.41	1,652.95	1,828.57	1,903.73
2013.....	3,547.12	2,587.11	2,125.76	1,631.19	1,790.65	1,756.50	1,808.22	2,050.91
2014.....	3,869.36	2,655.29	2,407.24	1,984.13	1,681.40	2,089.31	2,139.19	2,290.41
2015.....	3,590.05	3,146.29	2,469.97	2,026.89	2,179.61	2,124.81	2,193.34	2,479.88
2016.....	3,919.56	3,243.74	2,536.56	2,171.22	2,100.85	2,356.66	2,248.12	2,561.24
2017.....	4,626.74	3,490.79	2,815.91	2,359.45	2,867.52	2,584.75	2,646.92	2,873.22

Canada Land Inventory Classification

Class 1: Soils with no significant limitations in use for crops.

Class 2: Soils with moderate limitations that restrict the range of crops or require moderate conservation practices.

Class 3: Soils with moderately severe limitations that restrict the range of crops or require special conservation practices.

Class 4: Soils with severe limitations that restrict the range of crops or require special conservation practices or both.

Class 5: Soils that are unsuitable for annual cultivation. These soils could be improved for the production of perennial forages and pasture.

Class 6: Soils that have some natural grazing potential but where improvement practices are not feasible.

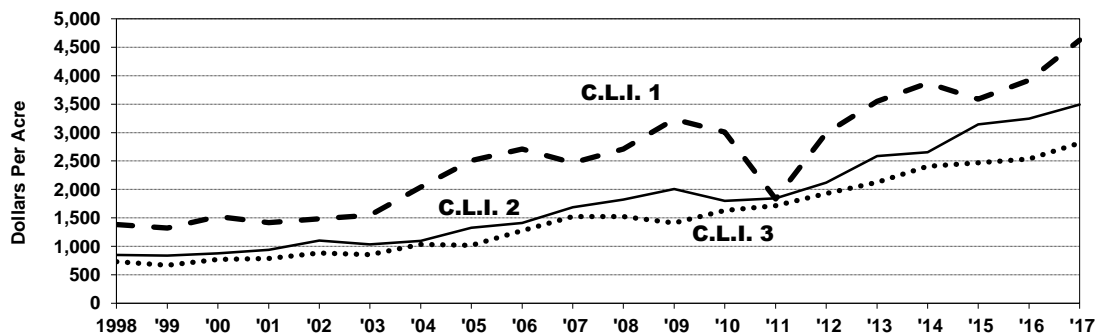
Other: (Classes 7, 8 and 9) Soils that have no capability for arable culture or permanent pasture; are organic and frequently found in the wooded regions of the province; or are unclassified due to a lack of C.L.I. Maps of the area at a 1:250,000 scale or lower.

Note: Average value for **All Classes** is weighted by the number of acres transacted in each C.L.I. Class; data revised back to 1995.

Also, the information collected is not guaranteed to include all transacted sales, nor is it intended to constitute an appraisal or opinion of value for a specific parcel of land. A more comprehensive appraisal of a particular piece of land should be performed in order to determine the actual market price. Changing market conditions can have immediate impacts on land values.

Source: Alberta Registries; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 10 Alberta Average Agricultural Real Estate Values, 1998-2017



Source: Alberta Registries; and Alberta Agriculture and Forestry, Statistics and Data Development Section

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Alberta Food and Beverage Manufacturing Industries* in 2017

Food and Beverage Manufacturing Sales

In 2017, Alberta's manufacturing firms generated \$70.9 billion in sales, 11.3 per cent higher than in the previous year. Of this total, the province's food and beverage manufacturing industry contributed a record \$14.4 billion, up 8.4 per cent from 2016. This also marked the fourth consecutive annual gain. Food and beverage manufacturing was the second largest manufacturing industry in Alberta (20.3 per cent of total manufacturing sales), after petroleum and coal products (22.4 per cent or \$15.9 billion). Chemical product manufacturing industry ranked third (19.4 per cent or \$13.8 billion).

Food Manufacturing Sales

Food manufacturing sales increased 11.1 per cent to \$13.3 billion in 2017, while beverage manufacturing sales declined 16.9 per cent to \$1.1 billion. Contributing to the increased food manufacturing sales were meat products, including poultry (up 9.3 per cent to \$7.4 billion), dairy products (up 50.7 per cent to \$1.2 billion), grain and oilseed milling (up 1.9 per cent to \$1.7 billion).

In 2017, 84.7 per cent of Alberta's food manufacturing sales were concentrated in four segments: meat product manufacturing (livestock and poultry slaughtering, processing and rendering), grain and oilseed milling, dairy product manufacturing and animal food (including feed) manufacturing. Production activity continued to be dominated by meat product industries. This segment accounted for 55.2 per cent of total food sales, as well as 25.6 per cent of the total Canadian food manufacturing sales (\$28.7 billion). Grain and oilseed milling accounted for 12.9 per cent, dairy product manufacturing for 9.1 per cent and animal food (including feed) manufacturing for 7.4 per cent. The remaining 15.2 per cent of food sales was distributed among other food manufacturing industries including bakeries and tortilla manufacturing, sugar and confectionery products, fruit and vegetable preserving, seafood products, and specialty foods and snack foods.

On a national basis, three provinces accounted for 75.5 per cent or \$76.4 billion of the total Canadian food sales (\$101.2 billion) in 2017. These were Ontario (\$39.5 billion or 39 per cent), Quebec (\$23.6 billion or 23.3 per cent) and Alberta (\$13.3 billion or 13.2 per cent). Compared to 2016, Ontario led gains in sales in 2017 with 15.8 per cent, followed by Alberta (11.1 per cent) and Saskatchewan (8.7 per cent). Nationally, Canada's food manufacturing sales increased 6.8 per cent.

Canada's meat product manufacturing sales were a record \$28.7 billion in 2017 and 6.8 per cent above 2016. The top three provinces contributing to this total were Ontario (\$10.3 billion or 35.7 per cent), Alberta (\$7.4 billion or 25.6 per cent) and Quebec (\$6.6 billion or 23 per cent). Among these provinces, Alberta had the highest percentage of its total food sales generated by meat product industries. At 55.2 per cent, Alberta's proportion surpassed comparable proportions for Québec (28 per cent), and Ontario (26 per cent).

Employment in Food and Beverage Manufacturing Industries

Canada's employment in food and beverage manufacturing industries fell 2.2 per cent to 278,800 persons in 2017. Seven of the ten provinces reported a gain, led by Nova Scotia (with an increase of 28.8 per cent), New Brunswick (22.2 per cent), and Saskatchewan (20 per cent). Alberta's food and beverage manufacturing employment had a modest growth of 2.7 per cent. Newfoundland and Labrador, British Columbia and Ontario were the only provinces with employment declines (12.5 per cent, 10.2 per cent and 7.4 per cent, respectively). The largest concentration of workers were in Ontario (101,500 persons or 36.5 per cent of Canada's food and beverage employed labour force), Quebec (78,700 persons or 28.2 per cent), British Columbia (32,700 persons or 11.7 per cent) and Alberta (23,000 persons or 8.2 per cent).

In terms of employment, Alberta's food and beverage manufacturing remains the province's largest manufacturing industry. In 2017, it employed 23,000 persons, representing 19.3 per cent of the total manufacturing workforce (119,200) in the province. This was followed by fabricated metal product manufacturing industries with 20,600 persons (or 17.3 per cent) and machinery manufacturing with 12,600 persons (or 10.6 per cent). Meat product (including poultry) manufacturing was the largest food segment, accounting for 10,400 persons or 49.8 per cent of total food manufacturing workforce (20,900). As of December 2017, food and beverage manufacturing industry had 578 active businesses with employees in Alberta.

** Food manufacturing industries transform agricultural products, livestock and crops into products for intermediate or final consumption. "Manufacturing sales" or "sales of goods manufactured" refers to the net selling value of goods made by reporting establishments. Sales include sales from Canadian locations (domestic and export); transfers to other business units or a head office; sales of goods that were shipped earlier on consignment; sales shipped to foreign countries for which customs entry forms have been prepared; charges for installation of manufactured goods where installation is part of the sales; and book value of goods sold for rental. Sales exclude discounts and returns; shipping charges by common or contract carriers; federal and provincial sales taxes and excise duties; and sales purchased for resale.*

Alberta's food manufacturing industries continue to face competition for wages from higher paying industries, most notably, the oil and gas extraction and construction industries. In 2017, the average weekly earnings for food manufacturing workers was \$885.42, down 1.6 per cent from 2016. This was below the average weekly wage of \$1,268.57 for the manufacturing sector as a whole. In comparison, workers in oil and gas extraction industries earned a weekly average of \$2,688.98 (down 5.7 per cent from 2016), while construction workers earned \$1,423.20 (down 1.7 per cent from 2016).

Exports of Food (Including Beverages and Animal Feeds)

In 2017, Alberta's total agri-food exports of \$11.2 billion were distributed among primary commodities (animals and crops) at \$5.7 billion (or 50.3 per cent) and value added products (food products, beverage products, animal feeds, and crude animal and plant products) at \$5.6 billion (or 49.7 per cent). Total exports rose 12.3 per cent over 2016, mainly due to a 14 per cent increase in animal and crops, and 10.6 per cent increase in value added products.

In 2017, exports of food (including beverages and animal feeds) reached a record \$4.1 billion for the first time ever. These exports were 5.6 per cent higher than in 2016 and represented 36.7 per cent of Alberta's total agri-food exports (\$11.2 billion). The increase in food exports was mainly attributable to meats, animal feeds, beverage products (whiskey) as well as cereals milled and prepared.

The province's top five food export products in 2017 were:

1. Beef and veal, \$1.7 billion (42.1 per cent)**
2. Animal feeds, \$678.3 million (16.4 per cent)**
3. Pork, \$492.6 million (11.9 per cent)**
4. Cereals, milled and prepared, \$366 million (8.9 per cent)**
5. Processed potatoes, \$327.7 million (7.9 per cent)**

** of total exports of food (including beverages and animal feeds) at \$4.1 billion

Exports of all meat and meat products increased 3.6 per cent to \$2.3 billion in 2017. Meats remained the largest food category accounting for 56.6 per cent of the total food exports. Most meat categories showed increases with the exception of horse meat (down 25 per cent). Exports of beef and pork rose 3.9 per cent and 4.4 per cent, respectively and processed meat was up 18.8 per cent.

Table 21: Employed Labour Force in Alberta Food and Beverage Industries (1), 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	'000 of Persons									
All Industries	2,053.9	2,029.7	2,023.7	2,099.5	2,172.5	2,226.2	2,274.6	2,301.1	2,263.8	2,286.9
Manufacturing Industries	140.3	123.4	125.2	133.7	137.6	142.7	144.5	139.9	115.5	119.2
Food and Beverage Industries	23.0	20.7	22.6	20.1	19.5	27.4	25.5	26.4	22.4	23.0
% Share of Manufacturing Industries.....	16.4	16.8	18.1	15.0	14.2	19.2	17.6	18.9	19.4	19.3
Food Industries (2)	20.1	18.6	20.3	18.2	17.4	25.5	22.7	24.6	20.4	20.9
Meat Products Manufacturing.....	8.6	8.6	9.2	8.5	6.7	11.2	9.3	10.8	11.3	10.4
% Share of Food Industries.....	42.8	46.2	45.3	46.7	38.5	43.9	41.0	43.9	55.4	49.8
Other Food Manufacturing.....	11.5	10.0	11.1	9.7	10.7	14.3	13.4	13.8	9.1	10.5
% Share of Food Industries.....	57.2	53.8	54.7	53.3	61.5	56.1	59.0	56.1	44.6	50.2
Dairy Products Manufacturing.....	x	x	x	x	x	x	x	x	x	1.5
Grain and Oilseed Milling.....	x	x	x	1.6	x	1.5	x	x	x	x
Bakeries and Tortilla Manufacturing...	3.3	3.6	3.5	2.4	2.8	3.1	5.9	3.5	3.9	3.4
Beverage Industries	2.9	2.2	2.3	1.8	2.1	1.9	2.8	1.8	2.0	2.1
Food and Beverages Stores	57.8	59.6	53.4	53.2	52.8	53.0	56.4	55.5	58.5	57.3
Food Services and Drinking Places	91.8	99.8	100.2	110.4	114.3	117.3	121.5	123.8	119.1	124.9

(1) Annual averages for employed labour force refers to persons 15 years of age and over who (a) did any work during the reference period, or (b) had a job but were not at work due to illness or disability; personal or family responsibilities; bad weather; labour disputes; vacation; or other reasons not specified. Work includes any work for pay or profit. It also includes unpaid family work which contributes directly to the operation of a farm, business or professional practice owned or operated by a related member of the household.

(2) Data shown for food sub-categories should be used with caution due to high sampling variability.

Source: Statistics Canada, Table 14-10-0023-01; and Labour Statistics Division

Table 22: Alberta Average Weekly Earnings for Food Related Industries (1), 2008-2017

	2008	2009	2010	2011	2012	2013	2014r	2015r	2016r	2017p
	\$/Week									
Industrial Aggregate (2)	922.19	948.29	990.88	1,034.22	1,070.09	1,107.85	1,149.43	1,145.82	1,118.51	1,130.12
Manufacturing Industries	1,065.29	1,026.79	1,100.92	1,161.79	1,165.78	1,189.35	1,246.66	1,298.63	1,290.68	1,268.57
Food Manufacturing Industries	796.52	744.74	745.63	791.18	815.97	833.76	862.56	891.48	899.83	885.42
Grain and Oilseed Milling.....	-	-	-	-	-	-	-	-	-	-
Meat Product Manufacturing.....	787.28	-	-	-	-	-	-	-	-	-
Retail Trade Industries	517.77	546.44	549.17	557.00	576.66	585.05	610.60	612.57	612.58	611.12
Food and Beverage Stores (3).....	372.77	409.49	426.65	439.03	447.63	460.22	452.26	474.63	469.29	491.68
Grocery Stores.....	374.72	411.79	425.85	440.49	446.21	460.40	456.79	478.77	468.19	488.82
Specialty Food Stores.....	340.22	-	-	-	-	-	-	-	459.02	-
Accommodation and Food Services	372.52	388.25	409.60	408.88	421.71	415.55	427.38	409.59	406.57	427.20
Food Services and Drinking Places.....	340.15	354.24	378.25	375.46	378.74	366.92	380.31	367.19	370.10	385.64

(1) The data shown in this table are generated from the enterprise-based Survey of Employment, Payrolls and Hours (SEPH). This survey provides monthly estimates to measure levels and month-to-month trends of payroll employment paid hours and earnings. The target population is composed of all employers in Canada except those involved in agriculture, fishing and trapping, private household services, religious organizations and military personnel of defence services.

(2) The industrial aggregate represents the sum of all the industries included in the SEPH excluding unclassified businesses. Data includes overtime.

(3) Food and beverage stores include grocery stores, specialty food stores and beer/wine/liquor stores.

Source: Statistics Canada, Table 14-10-0204-01

Table 23: Alberta and Canada Value of Manufacturing Sales for Food and Beverage Industries, 1997-2017

	Food Industries		Beverage Industries		Food and Beverage Industries		All Manufacturing Industries	
	Alberta	Canada	Alberta	Canada	Alberta	Canada	Alberta	Canada
\$'000								
1997.....	6,687,432	50,513,439	643,575	7,344,261	7,331,007	57,857,700	34,185,450	426,520,823
1998.....	6,660,406	51,465,905	714,097	7,933,655	7,374,503	59,399,560	32,840,925	441,142,237
1999.....	7,184,652	52,938,483	692,503	8,562,122	7,877,155	61,500,605	34,822,759	492,403,669
2000.....	8,297,295	57,305,003	773,497	8,564,038	9,070,792	65,869,041	44,456,417	562,104,039
2001.....	8,421,129	61,640,219	872,592	8,580,262	9,293,721	70,220,481	45,628,751	543,782,481
2002.....	8,889,997	63,716,828	923,985	8,737,741	9,813,982	72,454,569	45,511,341	553,134,106
2003.....	8,630,943	64,983,656	886,709	8,728,610	9,517,652	73,712,266	47,029,508	550,938,829
2004.....	9,113,446	67,836,355	814,132	9,704,729	9,927,578	77,541,084	53,630,439	583,821,421
2005.....	8,588,702	67,158,704	835,268	9,885,421	9,423,970	77,044,125	61,386,080	594,728,711
2006.....	8,851,625	68,040,495	815,796	9,796,283	9,667,421	77,836,778	63,803,302	598,237,407
2007.....	9,140,631	71,810,187	897,563	10,051,098	10,038,194	81,861,285	64,926,412	599,324,167
2008.....	9,404,998	74,483,669	846,353	10,155,617	10,251,351	84,639,286	69,052,131	588,453,141
2009.....	9,248,138	75,607,347	866,799	10,377,277	10,114,937	85,984,624	53,892,932	492,707,286
2010.....	9,714,946	76,821,579	922,163	10,175,331	10,637,109	86,996,910	59,366,405	526,682,041
2011.....	10,010,670	80,574,755	1,062,625	10,666,075	11,073,295	91,240,830	69,880,129	567,897,229
2012.....	11,376,224	82,989,108	1,224,080	10,875,496	12,600,304	93,864,604	72,689,251	586,125,276
2013.....	10,729,973	85,261,167	1,241,045	10,923,678	11,971,018	96,184,845	74,451,637	596,126,668
2014.....	11,048,400	88,452,207	1,216,662	11,339,144	12,265,062	99,791,351	79,219,631	622,636,276
2015r.....	11,976,185	89,484,013	1,265,655	11,811,516	13,241,840	101,295,529	69,904,886	615,139,406
2016r.....	12,015,306	94,777,129	1,266,811	12,234,231	13,282,117	107,011,360	63,760,148	620,396,731
2017p.....	13,349,627	101,177,112	1,052,367	11,386,345	14,401,994	112,563,457	70,940,302	651,475,084
% Change From Previous Year								
1998.....	-0.4	1.9	11.0	8.0	0.6	2.7	-3.9	3.4
1999.....	7.9	2.9	-3.0	7.9	6.8	3.5	6.0	11.6
2000.....	15.5	8.2	11.7	0.0	15.2	7.1	27.7	14.2
2001.....	1.5	7.6	12.8	0.2	2.5	6.6	2.6	-3.3
2002.....	5.6	3.4	5.9	1.8	5.6	3.2	-0.3	1.7
2003.....	-2.9	2.0	-4.0	-0.1	-3.0	1.7	3.3	-0.4
2004.....	5.6	4.4	-8.2	11.2	4.3	5.2	14.0	6.0
2005.....	-5.8	-1.0	2.6	1.9	-5.1	-0.6	14.5	1.9
2006.....	3.1	1.3	-2.3	-0.9	2.6	1.0	3.9	0.6
2007.....	3.3	5.5	10.0	2.6	3.8	5.2	1.8	0.2
2008.....	2.9	3.7	-5.7	1.0	2.1	3.4	6.4	-1.8
2009.....	-1.7	1.5	2.4	2.2	-1.3	1.6	-22.0	-16.3
2010.....	5.0	1.6	6.4	-1.9	5.2	1.2	10.2	6.9
2011.....	3.0	4.9	15.2	4.8	4.1	4.9	17.7	7.8
2012.....	13.6	3.0	15.2	2.0	13.8	2.9	4.0	3.2
2013.....	-5.7	2.7	1.4	0.4	-5.0	2.5	2.4	1.7
2014.....	3.0	3.7	-2.0	3.8	2.5	3.7	6.4	4.4
2015r.....	8.4	1.2	4.0	4.2	8.0	1.5	-11.8	-1.2
2016r.....	0.3	5.9	0.1	3.6	0.3	5.6	-8.8	0.9
2017p.....	11.1	6.8	-16.9	-6.9	8.4	5.2	11.3	5.0

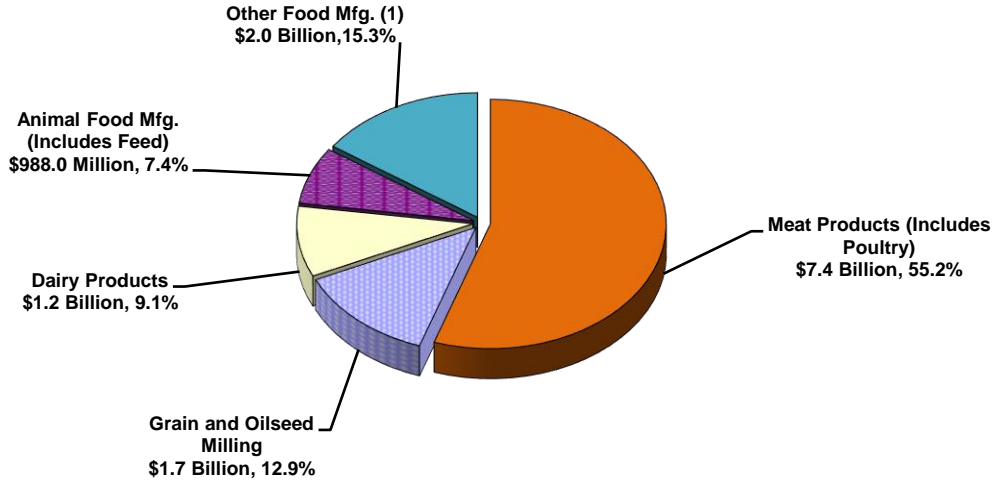
Source: Statistics Canada, Tables 16-10-0054-01, 16-10-0038-01, 16-10-0117-01, 16-10-0047-01 and 16-10-0048-01

Table 24: Alberta Value of Manufacturing Sales for Food and Beverage Industries by Type, 2011-2017

	2011	2012	2013	2014	2015r	2016r	2017p	% Share of Food Sales, 2017
	\$'000							
All Manufacturing Industries.....	69,880,129	72,689,251	74,451,637	79,219,631	69,904,886	63,760,148	70,940,302	
Food and Beverage Manufacturing Industries.....	11,073,295	12,600,304	11,971,018	12,265,062	13,241,840	13,282,117	14,401,994	
% Share of All Manufacturing Industries.....	15.8	17.3	16.1	15.5	18.9	20.8	20.3	
Food Manufacturing.....	10,010,670	11,376,224	10,729,973	11,048,400	11,976,185	12,015,306	13,349,627	100.0
Meat Product Manufacturing.....	4,921,250	5,962,034	5,692,078	5,968,960	6,674,035	6,739,312	7,365,230	55.2
All Other Food Manufacturing.....	5,089,420	5,414,190	5,037,895	5,079,440	5,302,150	5,275,994	5,984,397	44.8
Animal Food Manufacturing.....	691,042	817,465	801,564	983,959	1,180,044	986,733	988,010	7.4
Dog and Cat Food Manufacturing.....	x	x	x	x	x	x	x	-
Other Animal Food Manufacturing.....	x	x	x	x	x	x	x	-
Grain and Oilseed Milling.....	1,667,619	1,764,561	1,773,598	1,724,299	1,631,254	1,696,101	1,728,109	12.9
Flour Milling and Malt Manufacturing.....	x	x	x	385,068	x	x	x	-
Flour Milling.....	x	x	x	x	x	x	x	-
Starch and Vegetable Fat and Oil Manufacturing.....	x	x	x	x	x	x	1,470,352	11.0
Oilseed Processing.....	x	x	x	x	x	x	x	-
Breakfast Cereal Manufacturing.....	x	x	x	x	x	x	x	-
Sugar and Confectionery Product Manufacturing.....	x	x	x	x	x	x	x	-
Fruit/Vegetable Preserving/Specialty Food Mfg.	x	x	x	x	x	x	x	-
Frozen Food Manufacturing (Incl. Frozen French Fries).....	267,832	258,077	x	223,287	277,024	283,635	x	-
Fruit and Vegetable Canning, Pickling and Drying.....	x	x	61,413	x	x	x	x	-
Dairy Product Manufacturing.....	x	x	893,347	753,297	734,886	809,226	1,219,784	9.1
Dairy Product (Except Frozen) Manufacturing.....	1,145,759	1,178,628	865,173	x	x	779,025	x	-
Fluid Milk Manufacturing.....	x	x	x	x	x	x	x	-
Butte/Cheese/Dry and Condensed Dairy Prod. Mfg. .	x	x	x	x	x	x	x	-
Ice Cream and Frozen Dessert Manufacturing.....	x	x	28,174	x	x	x	x	-
Meat Product Manufacturing.....	4,921,250	5,962,034	5,692,078	5,968,960	6,674,035	6,739,312	7,365,230	55.2
Animal (Except Poultry) Slaughtering.....	x	x	x	x	x	x	6,846,815	51.3
Rendering and Poultry Processing.....	x	x	x	x	x	x	x	-
Rendering and Meat Processing from Carcasses.....	x	x	x	x	x	x	x	-
Poultry Processing.....	x	x	x	x	x	x	x	-
Seafood Product Preparation and Packaging.....	x	x	x	x	x	x	x	-
Bakeries and Tortilla Manufacturing.....	x	x	532,912	544,828	576,408	579,332	x	-
Bread and Bakery Product Manufacturing.....	459,409	514,550	515,490	530,402	535,829	559,781	x	-
Retail Bakeries.....	x	x	x	x	x	x	x	-
Commercial Bakeries/Frozen Bakery Product Mfg. .	x	x	x	x	x	x	x	-
Cookie, Cracker and Pasta Manufacturing.....	x	x	17,422	14,426	x	x	x	-
Cookie and Cracker Manufacturing.....	x	x	x	x	x	x	x	-
Dry Pasta Manufacturing.....	x	x	x	x	x	x	x	-
Other Food Manufacturing.....	x	x	660,583	660,818	764,391	775,308	940,621	7.0
Snack Food Manufacturing.....	x	x	x	478,158	592,530	617,251	772,432	5.8
Coffee and Tea Manufacturing.....	x	6,820	x	x	x	x	x	-
Seasoning and Dressing Manufacturing.....	28,070	29,287	62,520	x	x	x	x	-
All Other Food Manufacturing.....	83,193	71,409	125,382	125,136	119,255	112,467	x	-
Beverage Manufacturing.....	1,062,625	1,224,080	1,241,045	1,216,662	1,265,655	1,266,811	1,052,367	
Soft Drink and Ice Manufacturing.....	x	x	x	x	x	x	x	
Breweries, Wineries and Distilleries.....	x	x	x	x	x	x	x	

Source: Statistics Canada, Tables 16-10-0054-01, 16-10-0038-01, 16-10-0117-01, and 16-10-0048-01

Fig. 11 2017 Distribution of Alberta Food Manufacturing Sales

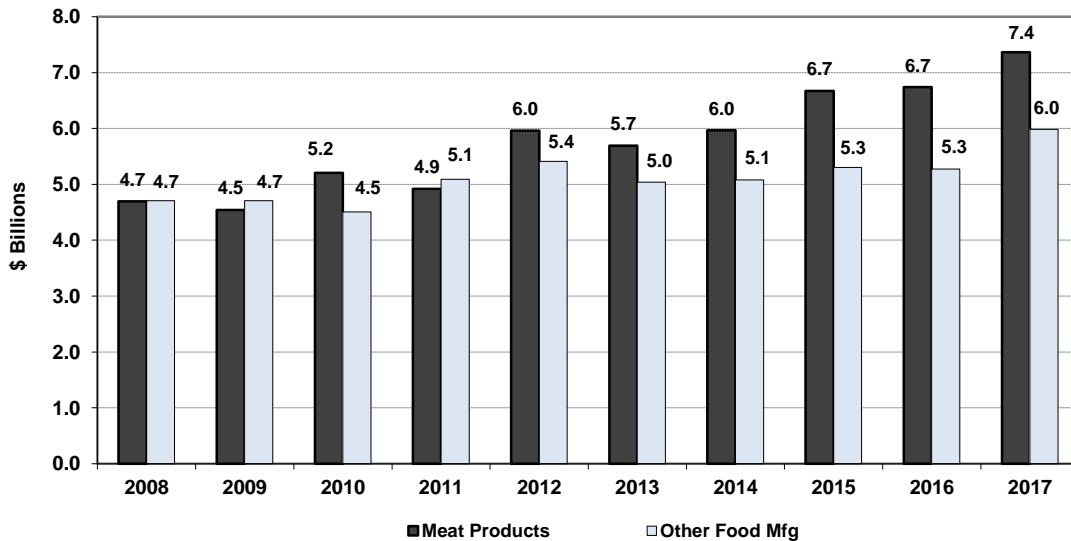


2017 Food Manufacturing Sales = \$13.3 Billion

(1) Includes manufacturing of snack foods, tea, coffee, flavouring syrup and concentrates, seasonings, dressings, sugar and confectionery products, fruit and vegetable preserving, specialty foods, seafood products and tortillas and bakery products.

Source: Statistics Canada, Table 16-10-0048-01

Fig. 12 Alberta Food Manufacturing Sales by Type, 2008-2017



Source: Statistics Canada, Tables 16-10-0038-01 and 16-10-0048-01

Table 25: Value of Manufacturing Sales for Meat Product Industries, Canada and Provinces, 2008-2017

	Canada	Alberta	Ontario	Quebec	Other Provinces
Total Meat Product Manufacturing Industries (\$'000) (A. + B.)					
2008.....	21,377,013	4,695,700	7,579,228	4,786,794	4,315,291
2009.....	21,922,783	4,541,688	7,699,858	5,232,420	4,448,817
2010.....	22,493,696	5,206,508	8,179,197	4,807,141	4,300,850
2011.....	22,389,560	4,921,250	7,956,110	4,908,244	4,603,956
2012.....	23,666,018	5,962,034	8,093,433	4,646,281	4,964,270
2013.....	23,365,885	5,692,078	8,487,017	4,589,872	4,596,918
2014r.....	24,934,129	5,968,960	8,289,222	5,441,257	5,234,690
2015r.....	25,351,044	6,674,035	8,173,154	6,057,819	4,446,036
2016r.....	26,677,813	6,739,312	8,138,686	6,909,357	4,890,458
2017p.....	28,734,803	7,365,230	10,258,349	6,607,503	4,503,721
Meat Product Sales as a % Share of Canada in 2017	100.0	25.6	35.7	23.0	15.7
Food Manufacturing Sales in 2017	101,177,112	13,349,627	39,504,249	23,583,036	24,740,200
Meat Product Sales as a % of Food Manufacturing Sales in 2017	28.4	55.2	26.0	28.0	18.2
A. Animal (Except Poultry) Slaughtering Industries (\$'000)					
2008.....	9,615,391	3,387,837	1,906,811	2,454,524	1,866,219
2009.....	10,186,565	-	2,081,240	2,517,978	-
2010.....	10,595,462	-	2,005,944	2,546,305	-
2011.....	-	-	-	-	-
2012.....	-	-	-	-	-
2013.....	-	-	-	-	-
2014r.....	-	-	-	-	-
2015r.....	-	-	-	-	-
2016r.....	13,185,334	6,357,363	2,419,902	x	-
2017p.....	14,275,816	6,846,815	2,478,814	x	-
B. Rendering and Meat Processing From Carcasses and Poultry Processing Industries (\$'000)					
2008.....	11,761,622	1,307,863	5,672,417	2,332,270	2,449,072
2009.....	11,736,218	-	5,618,618	2,714,442	-
2010.....	11,898,234	-	6,173,253	2,260,836	-
2011.....	-	-	-	-	-
2012.....	-	-	-	-	-
2013.....	-	-	-	-	-
2014.....	-	-	-	-	-
2015r.....	-	-	-	-	-
2016r.....	-	-	-	-	-
2017p.....	14,458,987	518,415	7,779,535	-	-

Source: Statistics Canada, Tables 16-10-0038-01, 16-10-0117-01, 16-10-0047-01, and 16-10-0048-01

Table 26: Alberta Food and Beverage Exports to Other Countries, 2008-2017

	2008	2009	2010	2011	2012	2013	2014r	2015r	2016r	2017p
Agri-Food Exports (\$'000)										
Total Agri-Food Exports	8,385,912	7,428,837	6,775,409	8,061,065	9,209,942	8,711,642	9,754,059	10,181,125	10,006,421	11,237,843
Animals and Crops	5,070,451	4,216,732	3,262,394	4,520,345	5,529,191	5,060,670	5,476,136	5,378,878	4,956,955	5,653,014
% Share of Total Exports.....	60.5	56.8	48.2	56.1	60.0	58.1	56.1	52.8	49.5	50.3
Value Added Products	3,315,461	3,212,105	3,513,015	3,540,720	3,680,751	3,650,973	4,277,923	4,802,248	5,049,466	5,584,829
% Share of Total Exports.....	39.5	43.2	51.8	43.9	40.0	41.9	43.9	47.2	50.5	49.7
Crude Animal and Plant Products (1)...	613,791	676,035	989,594	1,007,298	1,091,195	933,826	752,849	811,033	1,142,168	1,460,473
Food, Beverages and Animal Feeds....	2,701,670	2,536,070	2,523,421	2,533,422	2,589,556	2,717,146	3,525,074	3,991,215	3,907,299	4,124,355
Food Exports (Including Beverages and Animal Feeds) (\$'000)										
Food, Beverages and Animal Feeds	2,701,670	2,536,070	2,523,421	2,533,422	2,589,556	2,717,146	3,525,074	3,991,215	3,907,299	4,124,355
% Share of Total Exports.....	32.2	34.1	37.2	31.4	28.1	31.2	36.1	39.2	39.0	36.7
- Food Products.....	2,442,870	2,237,418	2,157,614	2,184,072	2,132,453	2,180,111	2,909,978	3,321,471	3,303,275	3,363,342
- Beverage Products.....	61,491	76,794	75,291	59,473	77,718	79,150	76,417	83,754	77,357	82,751
- Animal Feeds.....	197,309	221,858	290,516	289,876	379,386	457,886	538,679	585,989	526,667	678,262
Food Products (\$'000)										
Meats (2)	1,481,699	1,396,706	1,510,321	1,444,082	1,297,934	1,397,723	1,996,213	2,266,268	2,252,547	2,334,187
% Share of Food Exports.....	60.7	62.4	70.0	66.1	60.9	64.1	68.6	68.2	68.2	69.4
- Beef and Veal.....	1,068,685	956,866	1,051,758	969,377	852,153	961,703	1,428,935	1,696,488	1,670,369	1,735,462
- Pork.....	342,119	361,096	391,638	411,542	364,980	348,311	467,104	468,885	471,956	492,560
- Horse.....	52,685	60,299	49,160	41,908	45,935	46,115	53,825	50,891	51,049	38,293
- Other Meat (Sheep, Poultry, Bison).....	15,559	14,813	14,546	12,220	11,897	12,837	11,809	16,422	15,693	16,235
- Processed Meat.....	2,652	3,633	3,219	9,035	22,970	28,758	34,539	33,582	43,481	51,637
Cereals, Milled and Prepared	335,860	325,319	225,878	226,641	259,050	261,444	322,608	356,644	359,527	366,034
- Wheat or Meslin Flour.....	18,985	22,149	15,720	6,170	5,213	6,389	8,720	8,627	9,042	8,100
- Malt Roasted or Not Roasted.....	244,021	223,504	142,745	151,501	179,954	174,599	225,601	237,560	241,187	240,142
- Other Cereals Milled.....	32,675	37,210	28,540	33,170	41,654	47,434	51,096	61,590	59,134	66,175
- Cereal Preparations (3).....	40,179	42,456	38,873	35,800	32,230	33,022	37,191	48,868	50,164	51,617
Oils and Fats	278,751	169,195	147,904	202,330	266,165	239,396	227,769	273,238	237,953	211,262
- Canola/Mustard Oil, Refined.....	231,957	136,146	112,289	142,966	184,452	167,092	145,448	194,978	144,683	116,504
- Other Oils and Fats.....	46,794	33,050	35,615	59,364	81,713	72,304	82,322	78,260	93,270	94,758
Other Food Products	346,560	346,197	273,511	311,018	309,303	281,547	363,388	425,323	453,247	451,752
- Dairy Products.....	4,031	394	3,100	1,731	4,933	531	3,504	283	820	11,470
- Eggs.....	130	-	-	-	-	-	8	1,063	1,012	439
- Honey.....	18,523	16,924	15,530	9,389	10,995	12,832	14,929	20,499	33,433	27,150
- Fruit and Vegetable Preparations.....	9,680	7,935	4,982	6,948	4,355	7,092	15,128	18,976	23,567	20,636
- Fruit and Vegetable Juices.....	9,498	9,339	8,241	7,384	6,931	4,877	3,701	3	148	1
- Processed Potatoes.....	235,223	261,328	191,397	201,611	203,319	208,343	278,965	328,795	336,700	327,726
- Sugar and Sugar Preparations.....	31,882	12,176	14,581	39,829	34,105	17,826	10,710	17,698	16,212	21,465
- Foods and Food Materials (4).....	37,593	38,102	35,643	44,086	44,664	29,937	36,443	38,005	41,354	42,864
- Other Products.....	-	-	36	41	-	110	-	-	-	-
Beverage Products (\$'000)										
Beverage Products	61,491	76,794	75,291	59,473	77,718	79,150	76,417	83,754	77,357	82,751
- Whiskey.....	39,194	39,253	42,760	54,717	73,722	71,515	66,450	66,880	61,849	70,963
- Beer.....	1,536	1,297	2,952	1,226	-	15	32	30	126	113
- Other Beverages (5).....	20,761	36,244	29,579	3,530	3,996	7,620	9,934	16,845	15,382	11,675
Animal Feeds (\$'000)										
Animal Feeds	197,309	221,858	290,516	289,876	379,386	457,886	538,679	585,989	526,667	678,262
- Oilseed Cake and Meal.....	145,931	146,064	168,756	165,160	225,526	229,939	279,168	253,319	241,202	403,522
- Alfalfa Meal and Pellets.....	61	40	12	101	4,298	1,260	1,222	1,200	1,549	6,432
- Feeds of Vegetable Origin.....	2,982	7,508	6,262	4,411	6,889	14,068	15,437	14,532	10,435	18,719
- Prepared Animal Feeds.....	48,335	68,246	115,487	120,205	142,673	212,619	242,852	316,938	273,481	249,589

(1) Refers to inedible crude animal and plant products such as raw hides/skins, fur skins, seeds for sowing, nursery stock, bovine semen and peat moss. Also includes tallow, crude canola oil and tobacco.

(2) Includes fresh, chilled, frozen meat, edible offal and processed meat.

(3) Cereal preparations include bakery products and pasta products.

(4) Foods and food materials includes such items as spices, condiments, ice cream, soups, sauces, etc.

(5) Other beverages include alcoholic and non-alcoholic beverages, wines, cider, soft drinks and bottled water.

Source: Statistics Canada; Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 27: Average Household Food Expenditures, Alberta and Canada, 2016

	Alberta (Dollars)	% of Current Consumption	% of Total Average Expend.	Canada (Dollars)	% of Current Consumption	% of Total Average Expend.
Total Average Expenditure per Household (1)	106,514		100.0	84,489		100.0
Total Current Consumption (Goods and Services)	74,044	100.0	69.5	62,183	100.0	73.6
Food Purchased From Stores and Restaurants.....	9,766	13.2	9.2	8,784	14.1	10.4
Shelter.....	21,585	29.2	20.3	18,032	29.0	21.3
Principal Accommodation.....	19,101	25.8	17.9	16,293	26.2	19.3
Other Accommodation.....	2,484	3.4	2.3	1,739	2.8	2.1
Household Operation.....	5,547	7.5	5.2	4,704	7.6	5.6
Household Furnishings And Equipment.....	2,601	3.5	2.4	2,300	3.7	2.7
Clothing And Accessories.....	4,185	5.7	3.9	3,371	5.4	4.0
Transportation.....	15,318	20.7	14.4	11,909	19.2	14.1
Health Care.....	2,773	3.7	2.6	2,574	4.1	3.0
Personal Care.....	1,408	1.9	1.3	1,311	2.1	1.6
Recreation.....	4,751	6.4	4.5	3,935	6.3	4.7
Education.....	1,876	2.5	1.8	1,688	2.7	2.0
Reading Materials And Other Printed Matter.....	192	0.3	0.2	156	0.3	0.2
Tobacco Products And Alcoholic Beverages.....	1,551	2.1	1.5	1,406	2.3	1.7
Games Of Chance.....	180	0.2	0.2	217	0.3	0.3
Miscellaneous Expenditures.....	2,312	3.1	2.2	1,794	2.9	2.1
Income Taxes	23,418		22.0	15,310		18.1
Personal Insurance Payments/Pension Contributions	6,364		6.0	5,067		6.0
Gifts of Money/Support Pymts./Charitable Contributions ..	2,687		2.5	1,929		2.3

	Alberta (Dollars)	% of Food Purchased From Stores	Canada (Dollars)	% of Food Purchased From Stores
Food Purchased From Stores	6,707	100.0	6,176	100.0
Bakery Products	608	9.1	578	9.4
Bread and Unsweetened Rolls and Buns.....	277	4.1	264	4.3
Cookies and Crackers.....	134	2.0	123	2.0
Other Bakery Products.....	197	2.9	192	3.1
Cereal Grains And Cereal Products	421	6.3	347	5.6
Rice and Rice Mixes.....	36	0.5	44	0.7
Pasta Products.....	62	0.9	59	1.0
Other Cereal Grains and Cereal Products.....	322	4.8	244	4.0
Fruit, Fruit Preparations and Nuts	873	13.0	781	12.6
Fresh Fruit.....	547	8.2	492	8.0
Preserved Fruit and Fruit Preparations.....	240	3.6	203	3.3
Nuts and Seeds.....	86	1.3	85	1.4
Vegetables and Vegetable Preparations	753	11.2	718	11.6
Fresh Vegetables.....	576	8.6	551	8.9
Frozen and Dried Vegetables.....	48	0.7	48	0.8
Canned Vegetables/Other Veg. Preparations.....	129	1.9	118	1.9
Dairy Products and Eggs	916	13.7	888	14.4
Cheese.....	291	4.3	293	4.7
Milk.....	203	3.0	195	3.2
Butter.....	32	0.5	43	0.7
Ice Cream and Ice Milk (Including Novelties).....	66	1.0	59	1.0
Other Dairy Products.....	225	3.4	209	3.4
Eggs and Other Egg Products.....	100	1.5	89	1.4
Meat and Processed Meat	1,262	18.8	1,163	18.8
Beef.....	312	4.7	316	5.1
Pork.....	141	2.1	110	1.8
Poultry.....	294	4.4	263	4.3
Processed Meat.....	480	7.2	445	7.2
Fish and Seafood	182	2.7	203	3.3
Non-Alcoholic Beverages/Other Food Products	1,692	25.2	1,499	24.3
Coffee and Tea.....	248	3.7	175	2.8
Non-Alcoholic Beverages.....	328	4.9	249	4.0
Sugar and Confectionery.....	301	4.5	275	4.5
Margarine, Oils and Fats (Excluding Butter).....	53	0.8	67	1.1
Condiments, Spices and Vinegars.....	277	4.1	240	3.9
Frozen Prepared Food.....	110	1.6	140	2.3
Ready-To-Serve Prepared Food.....	65	1.0	81	1.3
Snack Food.....	87	1.3	86	1.4
Food Purchased From Restaurants	3,059		2,608	

(1) Average spending for a specific good or service is calculated for all households, including those with and those without expenditures for the category. Average spending includes sales tax.

Source: Statistics Canada, Tables 11-10-0222-01 and 11-10-0125-01

Table 28: Food Available Per Person for Selected Products (1), Canada, 2008-2017

	Units	2008	2009	2010	2011	2012	2013r	2014r	2015r	2016r	2017p
Wheat Flour.....	kg	62.76	63.34	62.53	60.61	60.21	59.63	58.51	58.29	58.03	56.25
Rice.....	kg	7.90	7.93	7.70	7.85	7.44	8.83	8.23	7.68	7.50	7.59
Breakfast Food.....	kg	5.71	5.76	5.64	5.52	5.44	5.17	5.08	5.09	5.04	4.97
Sugar (Refined).....	kg	31.15	31.70	29.77	30.27	29.03	30.44	30.16	29.35	29.32	29.57
Tea.....	litres	91.94	77.45	111.00	96.96	85.82	89.38	105.12	84.55	74.97	66.26
Coffee.....	litres	102.93	105.60	106.68	104.54	104.40	103.53	103.11	103.20	107.02	107.08
Ale/Beer/Stout, Pop. 15 Yrs.+.....	litres	82.98	82.75	82.81	79.60	79.56	77.31	75.18	74.11	74.02	72.44
Distilled Spirits, Pop. 15 Yrs. +.....	litres	5.54	5.54	5.40	5.40	5.42	5.44	5.29	5.32	5.39	5.45
Wines, Pop. 15 Yrs. +.....	litres	14.04	14.35	14.63	14.90	15.24	15.51	15.48	15.97	16.30	16.39
Soft Drinks.....	litres	89.80	88.26	85.93	83.63	79.83	75.32	71.39	68.24	62.12	59.27
Processed Cheese.....	kg	2.13	2.10	1.93	2.11	2.02	1.90	1.74	1.60	1.70	1.85
Concentrated Whole Milk.....	litres	0.83	0.69	0.73	0.78	0.70	0.62	0.57	0.55	0.60	0.60
Ice Cream.....	litres	6.89	5.53	5.54	5.19	5.00	4.42	5.15	4.44	4.27	3.88
Standard Milk 3.25%.....	litres	11.34	11.18	10.57	9.94	9.82	9.74	9.67	9.92	10.20	10.00
Skim Milk.....	litres	8.69	8.61	8.32	8.14	7.79	7.16	6.40	5.60	5.05	4.75
Yogurt.....	litres	1.37	1.24	1.21	1.25	1.32	1.33	1.35	1.24	1.26	1.39
Sour Cream.....	litres	7.92	8.04	8.56	9.38	10.13	9.88	9.79	10.95	10.76	9.96
Eggs.....	kg (2)	11.53	11.40	11.64	12.01	12.34	12.84	13.30	13.83	14.27	14.37
Chicken.....	kg (3)	30.77	31.12	30.47	29.99	29.70	30.01	31.01	31.84	32.50	33.13
Turkey.....	kg (3)	4.58	4.49	4.34	4.24	4.07	4.13	3.99	4.15	4.25	4.20
Pork.....	kg (4)	23.89	23.57	22.05	21.49	22.30	20.87	20.52	22.86	20.99	21.35
Beef.....	kg (4)	29.76	28.28	27.88	27.26	27.60	27.34	26.42	24.32	25.20	25.17
Veal.....	kg (4)	1.18	1.18	1.25	1.19	1.13	1.08	1.07	1.00	0.94	0.94
Mutton and Lamb.....	kg (4)	1.17	1.16	1.09	1.06	0.97	1.00	1.05	1.04	1.06	1.10
Offal.....	kg (4)	0.93	1.38	1.18	0.54	0.69	0.54	0.46	1.18	0.45	0.39
Butter.....	kg	2.62	2.67	2.69	2.84	2.79	2.63	2.71	2.67	3.13	3.14
Margarine.....	kg	3.78	3.72	3.53	3.50	3.37	3.17	3.04	2.97	2.89	2.78
Salad Oils.....	kg (5)	12.89	13.13	13.31	13.37	13.90	14.07	14.23	14.23	14.65	15.11
Apples, Fresh.....	kg	10.89	11.84	11.14	11.44	10.85	11.62	11.50	11.04	10.61	10.42
Bananas, Fresh.....	kg	14.35	14.32	14.58	14.75	14.75	15.43	15.62	15.68	15.71	15.76
Blueberries, Fresh.....	kg	1.13	1.11	1.29	1.41	1.18	1.29	1.07	0.78	1.01	1.10
Strawberries, Fresh.....	kg	3.05	3.31	3.48	3.88	3.88	3.78	3.22	3.18	3.24	3.41
Cherries, Fresh.....	kg	0.81	1.09	0.87	0.97	1.18	0.81	0.95	0.72	0.76	1.13
Oranges, Fresh.....	kg	9.52	8.94	9.27	9.29	9.02	9.01	8.31	9.05	9.42	8.77
Grapefruits, Fresh.....	kg	1.50	1.36	1.30	1.28	1.23	1.19	1.12	1.11	1.01	0.99
Asparagus, Fresh.....	kg	0.64	0.70	0.71	0.76	0.73	0.68	0.72	0.65	0.67	0.68
Beets, Fresh.....	kg	0.33	0.52	0.53	0.69	0.77	0.79	0.80	1.04	0.91	0.98
Broccoli, Fresh.....	kg	2.90	2.90	2.67	2.39	2.55	2.59	2.71	2.69	2.69	2.30
Cabbage, Fresh.....	kg	3.62	4.28	3.61	4.18	4.56	4.37	4.41	4.35	4.29	3.98
Carrots, Fresh.....	kg	6.19	7.12	9.43	9.08	9.06	7.87	6.77	8.69	7.72	7.16
Cucumbers, Fresh.....	kg	2.65	3.44	3.46	3.44	3.65	3.36	3.51	3.36	2.99	3.17
Garlic, Fresh.....	kg	0.44	0.44	0.39	0.47	0.47	0.49	0.49	0.52	0.51	0.51
Lettuce, Fresh.....	kg	9.67	9.42	9.63	9.52	9.22	9.13	8.71	8.56	8.62	8.44
Mushrooms, Fresh.....	kg	2.57	2.59	2.31	2.56	2.49	2.36	2.39	1.92	2.21	2.08
Onions and Shallots, Fresh.....	kg	6.11	8.58	8.64	9.14	9.10	8.76	9.22	9.40	8.73	9.27
Peas, Fresh.....	kg	0.29	0.31	0.28	0.30	0.15	0.27	0.22	0.22	0.19	0.31
Potatoes, Frozen.....	kg	6.89	6.67	7.83	5.98	8.00	7.36	6.71	6.84	6.45	5.53
Potatoes, White, Fresh.....	kg (6)	25.60	24.73	25.23	22.37	30.29	25.34	22.69	21.68	22.73	24.81
Spinach, Fresh.....	kg	0.60	0.66	0.74	0.74	0.81	0.89	0.98	0.95	0.93	0.97
Tomatoes, Fresh.....	kg	7.71	7.79	7.60	8.27	8.47	8.46	8.57	8.11	8.11	7.79
Tomatoes, Canned.....	kg	3.78	3.52	3.59	3.53	3.56	3.62	3.19	3.24	3.43	3.35
Fresh/Frozen Sea Fish.....	kg (7)	3.26	3.63	3.37	3.63	3.14	3.75	3.71	3.41	3.69	3.91

(1) The data in this table represent food available for consumption and not actual quantities of food consumed since they do not allow for losses such as waste and/or spoilage in stores, households, private institutions or restaurants.

(2) In fresh equivalent weight.

(3) Eviscerated weight. Note: Use data with caution.

(4) In carcass weight.

(5) As of 2007, "salad oils" include olive oil.

(6) Includes seed potatoes.

(7) In edible weight.

Source: Statistics Canada, Table 32-10-0054-01

Table 29: Alberta Food Services and Drinking Places, 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016r	2017p
\$ Millions										
Total Receipts	6,618.4	6,529.4	6,674.6	7,099.4	7,691.2	8,216.1	8,738.6	8,883.3	8,975.4	9,195.1
Special Food Services (1).....	541.0	477.6	520.4	633.7	733.4	715.9	772.4	728.7	680.7	683.2
Drinking Places (2).....	374.0	357.8	319.1	308.8	329.1	339.8	346.4	338.6	358.1	329.2
Full-Service Restaurants.....	2,891.1	2,795.9	2,839.2	3,056.6	3,288.1	3,606.1	3,927.1	3,964.3	3,869.5	4,007.6
Limited-Service Eating Places.....	2,812.3	2,898.1	2,995.9	3,100.3	3,340.6	3,554.3	3,692.7	3,851.7	4,067.1	4,175.1

(1) Special food services include contractors, social caterers and mobile food services.

(2) Drinking places with alcoholic beverages.

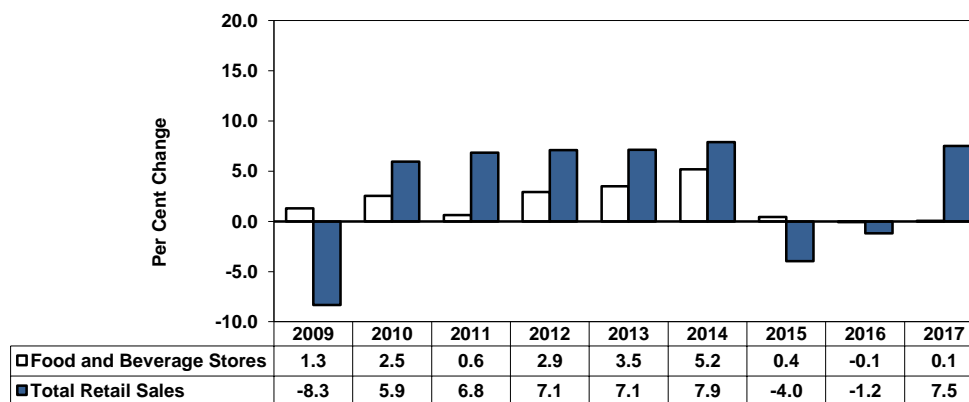
Source: Statistics Canada, Table 21-10-0019-01

Table 30: Alberta Retail Sales for Food and Beverage Stores, 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016r	2017p
\$ Millions										
Total Retail Sales	61,619.6	56,489.2	59,848.9	63,945.0	68,474.7	73,362.6	79,147.1	76,019.3	75,109.6	80,751.9
Food and Beverage Stores	12,464.0	12,625.1	12,946.3	13,028.8	13,408.1	13,877.6	14,598.4	14,661.5	14,649.2	14,657.3
% Share of Total Retail Sales.....	20.2	22.3	21.6	20.4	19.6	18.9	18.4	19.3	19.5	18.2
Total Grocery Stores.....	x	x	10,338.8	10,308.1	10,693.1	11,029.8	11,530.0	11,436.6	11,288.2	11,207.2
Supermarkets and Other										
Grocery Stores.....	x	x	9,409.0	9,512.6	9,927.4	10,269.5	10,804.3	10,645.1	10,495.6	10,418.6
Convenience Stores.....	x	x	929.8	795.5	765.7	760.3	725.6	791.5	792.6	788.6
Specialty Food Stores.....	x	x	393.6	426.7	444.4	512.9	517.3	533.1	557.3	688.0
Beer, Wine and Liquor Stores.....	2,080.0	2,218.7	2,213.9	2,294.0	2,270.6	2,334.9	2,551.2	2,691.8	2,803.7	2,762.1

Source: Statistics Canada, Table 20-10-0008-01

Fig. 13 Alberta Retail Sales for Food and Beverage Stores, Annual Per Cent Change, 2009-2017



Source: Statistics Canada, Table 20-10-0008-01

**Table 31: Edmonton Monthly Retail Food Price Indices* by Category
(Jan 2009=100) (1), 2017**

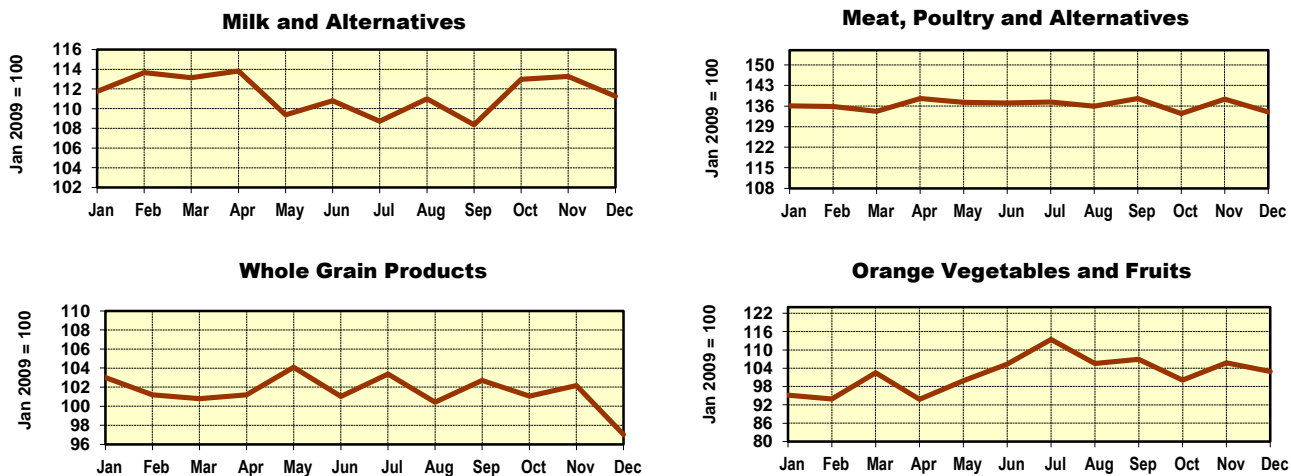
	Milk and Alternatives	Eggs	Meat, Poultry and Alternatives	Fish	Whole Grain Products	Non-Whole Grain Products
Jan 2009 = 100						
Jan.....	111.76	127.43	136.03	113.45	103.02	103.73
Feb.....	113.66	130.53	135.83	118.82	101.20	100.28
Mar.....	113.15	131.42	134.25	119.64	100.78	101.96
Apr.....	113.83	127.88	138.58	117.09	101.20	98.97
May.....	109.37	131.42	137.29	114.18	104.09	101.52
Jun.....	110.81	131.42	137.01	115.27	101.04	99.19
Jul.....	108.72	131.42	137.32	113.45	103.38	100.25
Aug.....	110.99	129.20	135.98	115.55	100.42	101.43
Sep.....	108.38	131.42	138.52	118.36	102.69	104.26
Oct.....	112.99	129.65	133.41	113.27	101.07	105.25
Nov.....	113.25	127.88	138.32	126.64	102.17	104.82
Dec.....	111.27	120.35	134.01	117.82	97.05	103.05
Average	111.51	129.17	136.38	116.96	101.51	102.06

	Orange Vegetables and Fruits	Dark Green Vegetables	Other Vegetables and Fruits	Other Processed Vegetables and Fruits	Unsaturated Oils and Fats	Sweeteners
Jan 2009 = 100						
Jan.....	95.15	127.19	111.73	108.59	95.68	111.52
Feb.....	93.94	125.30	112.25	111.81	94.66	113.58
Mar.....	102.53	130.97	111.00	108.37	93.79	109.57
Apr.....	93.84	127.15	108.78	108.24	93.79	112.96
May.....	99.90	138.19	117.15	108.15	93.50	111.52
Jun.....	105.35	139.03	120.17	111.03	91.99	109.67
Jul.....	113.43	102.77	122.14	109.90	94.18	108.13
Aug.....	105.56	100.34	118.25	111.77	93.64	108.23
Sep.....	106.87	97.82	114.44	109.72	94.81	110.19
Oct.....	100.10	101.09	113.73	108.41	92.19	111.11
Nov.....	105.76	106.55	116.39	112.47	96.22	109.26
Dec.....	102.93	97.86	117.66	111.64	91.80	111.52
Average	102.11	116.19	115.31	110.01	93.85	110.61

*Beginning in 2009, the Edmonton Retail Food Prices survey methodology was updated based, in part, on Health Canada's 2008 National Nutritious Food Basket.
(1) Retail prices of over 70 food items are collected each week at representative stores of the major food chains in Edmonton. The prices are weighted to account for estimated market share held by each chain.

Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

**Fig. 14 Edmonton Monthly Retail Food Price Indices, Selected Categories
(Jan 2009=100), 2017**



Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 32: Edmonton Nutritious Food Basket - Weekly Average Cost for a Family of Four (1), 2017*

	Milk and Alternatives	Eggs	Meat, Poultry and Alternatives	Fish	Orange Vegetables and Fruits	Dark Green Vegetables
\$						
Jan.....	35.48	3.36	72.54	13.28	6.70	12.17
Feb.....	35.67	3.44	69.59	13.87	6.54	11.97
Mar.....	35.84	3.46	69.12	14.02	7.13	12.32
Apr.....	35.67	3.37	72.52	13.76	6.83	12.56
May.....	35.42	3.46	71.22	13.44	6.83	13.86
Jun.....	35.71	3.46	70.93	13.57	7.09	13.64
Jul.....	35.24	3.46	70.75	13.30	7.70	12.38
Aug.....	35.47	3.41	68.92	13.63	7.01	12.26
Sep.....	35.02	3.46	70.37	13.90	7.11	11.90
Oct.....	35.61	3.42	70.07	13.39	7.23	12.44
Nov.....	35.47	3.37	69.62	14.89	7.30	13.37
Dec.....	35.48	3.17	69.02	13.91	7.29	12.05
Average	35.51	3.40	70.39	13.75	7.06	12.58

	Other Vegetables and Fruits	Whole Grain Products	Non-Whole Grain Products	Unsaturated Oils and Fats	Total Weekly Cost (2)
\$					
Jan.....	45.72	20.23	14.25	7.23	230.96
Feb.....	46.20	20.43	13.76	7.17	228.63
Mar.....	45.82	19.95	14.05	7.08	228.79
Apr.....	45.08	20.71	14.00	7.07	231.58
May.....	47.17	20.99	13.94	7.04	233.37
Jun.....	48.17	20.11	13.50	6.91	233.09
Jul.....	48.41	20.84	13.89	7.11	233.07
Aug.....	47.31	20.09	14.18	7.05	229.31
Sep.....	46.00	20.35	14.21	7.17	229.50
Oct.....	45.85	20.09	14.43	7.00	229.52
Nov.....	46.97	20.52	14.44	7.43	233.38
Dec.....	47.72	19.30	14.22	7.11	229.26
Average	46.70	20.30	14.07	7.11	230.87

* Based on Health Canada's 2008 National Nutritious Food Basket.

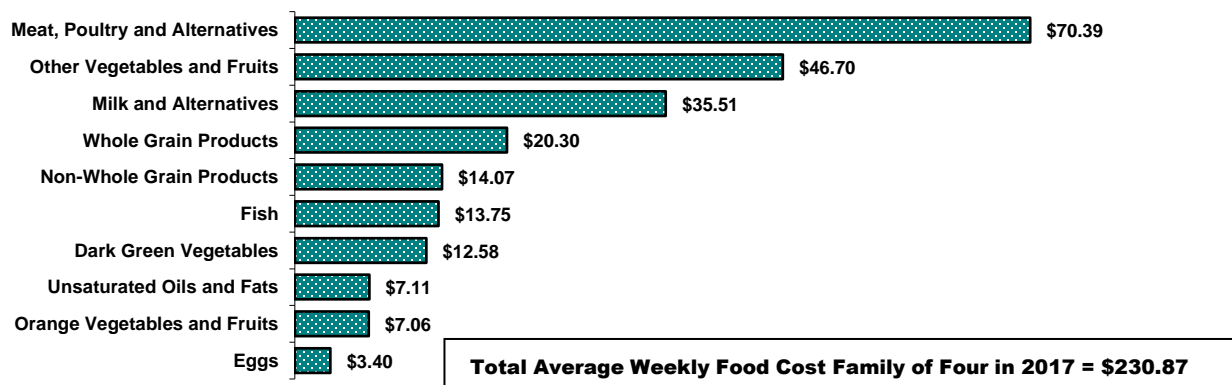
(1) The family of four is composed of a man (31-50 years), a woman (31-50 years), a boy (9-13 years) and a girl (4-8 years).

(2) Add 10% to Total Weekly Average Cost to cover condiments, baking supplies, tea, coffee, etc., Vitamin D supplement for adult men and women over 50 years of age and iron supplement for pregnant women.

Note: Due to rounding, totals may not add up.

Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 15 Edmonton Nutritious Food Basket - Weekly Average Cost for a Family of Four in 2017



Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 33: Per Capita Consumption of Meats in Canada and United States, 1988-2017

	Beef		Veal		Mutton/Lamb		Pork		Poultry (1)	
	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada (2)	U.S.
	kg/year									
1988.....	36.3	46.8	1.3	0.7	0.8	0.7	28.1	30.6	27.4	36.3
1989.....	35.3	44.4	1.4	0.7	0.8	0.7	28.7	30.4	27.1	38.2
1990.....	34.0	43.6	1.5	0.6	0.8	0.7	26.1	29.1	28.2	40.1
1991.....	33.3	43.2	1.5	0.5	0.9	0.7	25.9	29.3	28.3	41.6
1992.....	32.4	42.9	1.5	0.6	0.8	0.7	28.4	30.8	28.8	43.1
1993.....	31.1	41.8	1.4	0.5	0.9	0.7	27.6	30.3	29.1	43.7
1994.....	31.7	43.3	1.3	0.5	0.8	0.6	28.4	30.7	30.9	44.4
1995.....	31.8	43.4	1.4	0.5	0.8	0.6	27.8	30.2	30.6	44.1
1996.....	31.5	43.5	1.3	0.6	0.8	0.5	26.0	28.3	30.8	45.0
1997.....	31.5	42.6	1.4	0.6	0.7	0.5	25.4	27.9	31.8	45.7
1998.....	31.9	43.2	1.3	0.4	0.8	0.6	28.7	30.1	32.7	46.2
1999.....	32.6	43.7	1.3	0.4	0.9	0.6	30.1	30.8	33.8	48.5
2000.....	32.0	43.9	1.3	0.4	0.9	0.6	28.7	29.9	35.3	49.0
2001.....	30.8	43.0	1.3	0.3	1.0	0.6	28.9	29.4	36.5	49.0
2002.....	30.6	43.9	1.3	0.3	1.0	0.6	27.8	30.1	36.8	51.3
2003.....	32.4	42.1	1.2	0.3	1.1	0.6	25.1	30.3	35.8	51.8
2004.....	31.2	42.9	1.2	0.3	1.1	0.6	26.8	30.1	36.4	52.8
2005.....	30.3	42.5	1.1	0.3	1.1	0.5	23.1	29.3	36.9	53.6
2006r.....	29.9	42.7	1.1	0.2	1.2	0.5	23.4	29.7	37.2	54.0
2007r.....	30.6	42.3	1.3	0.2	1.2	0.6	25.1	29.7	37.4	53.5
2008r.....	29.8	40.5	1.2	0.2	1.2	0.5	23.9	28.9	37.7	52.7
2009r.....	28.3	39.6	1.2	0.2	1.2	0.5	23.6	29.3	37.8	50.4
2010r.....	27.9	38.6	1.3	0.2	1.1	0.5	22.1	27.9	37.3	51.5
2011r.....	27.3	37.1	1.2	0.2	1.1	0.4	21.5	26.7	36.9	51.7
2012r.....	27.6	37.2	1.1	0.2	1.0	0.4	22.3	26.8	37.0	50.3
2013r.....	27.3	36.5	1.1	0.2	1.0	0.5	20.9	27.4	37.1	51.1
2014r.....	26.4	35.1	1.1	0.1	1.1	0.5	20.5	26.8	37.5	51.7
2015r.....	24.3	35.0	1.0	0.1	1.0	0.5	22.9	29.1	39.1	54.6
2016r.....	25.2	36.0	0.9	0.1	1.1	0.5	21.0	29.3	39.9	55.3
2017p.....	25.2	36.9	0.9	0.1	1.1	0.6	21.4	29.3	40.0	55.9

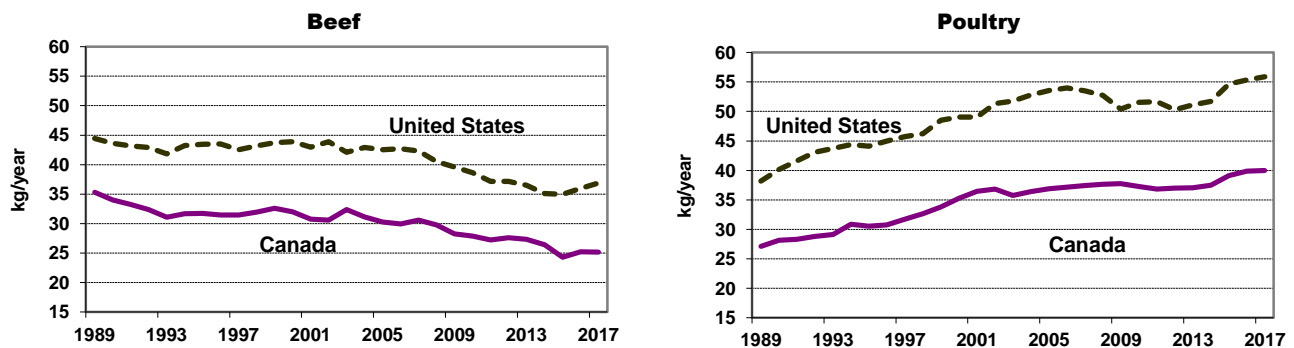
Note: Carcass weight figures for beef, veal, mutton/lamb and pork. Eviscerated (carcass) weight figures for total poultry.

(1) Total poultry includes stewing hens, chickens and turkeys.

(2) Due to changes in methodology for Canadian poultry from 2002, use the numbers with caution.

Source: Statistics Canada, Table 32-10-0054-01; and Livestock Market Information Center

Fig. 16 Beef and Poultry Consumption in Canada and United States, 1989-2017



Source: Statistics Canada, Table 32-10-0054-01; and Livestock Market Information Center

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Trade Statistics - Definitions

Export Statistics (1)

International trade statistics are compiled by Statistics Canada according to the "General" system of trade defined by the Statistical Office of the United Nations. Under this system, domestic exports include all goods grown, extracted or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada.

Export statistics are classified and published according to the Harmonized Commodity Description and Coding System (Harmonized System or HS). The HS is a product classification system used by almost all countries in reporting export statistics. It is consistent for all countries to the 6-digit level.

Exports are, in principle, valued or recorded at the values declared on export documents, which usually reflect the transaction value or the actual selling price. Canadian exports to overseas countries are valued at "Free on Board" (F.O.B.) port of exit basis, including freight charges to that point but net of discounts and allowances. As of January, 1990, Canadian exports to the U.S. are valued F.O.B. point of exit from Canada. Prior to 1990, they were valued F.O.B. place of lading net of freight charges, discounts and allowances.

Alberta's Agri-Food Exports (2)

Alberta's international agri-food exports include exports of primary agricultural commodities (live animals and crops) and processed agricultural and food products (value added exports). The latter includes food, beverages, animal feeds, and inedible crude animal and plant products.

Information on Alberta agri-food exports is compiled by the Statistics and Data Development Section of Alberta Agriculture and Forestry. Data are sourced from the International Trade Division of Statistics Canada.

Canadian international merchandise trade statistics are compiled from Canada Border Services Agency and U.S. Customs and Border Protection administrative files. Customs-based export statistics may understate and/or incorrectly portray the destination of exports or the province of origin. Inaccuracies of export data often result from the attribution of exports on a province of lading basis rather than by province of origin. Also, the country of final destination may be inaccurately reported when exports are routed through an intermediary country before continuing on to their final destination. For example, exports to the United States may be overestimated and exports to other countries such as Mexico or Russia underestimated. As well, caution should be used when reporting exports of some commodities/products, for example: hides and skins, tallow, peas, lentils, dehydrated alfalfa, peat moss, etc. Alberta exports of these products may be underestimated.

Note: Statistics on Alberta agri-food exports presented in the Yearbook refer to non-adjusted export statistics and are subject to revision.

(1) Source: Statistics Canada "Canadian International Merchandise Trade" - Technical notes

(2) Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Alberta Agri-Food Exports in 2017

In 2017, Alberta exports of primary and processed agricultural and food products (agri-food) reached a record \$11.2 billion, and were 12.3 per cent higher than in 2016. Gains were reported for both primary commodities and value added exports. Nationally, Alberta accounted for 19.3 per cent of the Canadian total, and remained the third largest exporter of agri-food products after Saskatchewan and Ontario.

Export Products

In 2017, exports of value added processed products continues to grow, up 10.6 per cent to \$5.6 billion and represented almost one-half of Alberta's total agri-food exports. Meats are the largest value added exports, followed by crude and refined canola oils, french fries, prepared animal feeds, malt, and canola cake and meal. In 2017, higher exports of crude canola oil, canola cake and meal, beef and pork, contributed to the increase in exports. **Exports of primary commodities (animals and crops)** recovered from the 2016 decline, increasing 14 per cent to \$5.7 billion and accounted for just over one-half of the total. The increase was a result of larger exports of major cereal grains, pulses and canola seed; combined with stronger prices.

In the crop sector, wheat returned as the number one export product, after ranking second in 2016. Exports of wheat, barley, dry peas, lentils and canola seed rose in both value and quantity in 2017. However, the increases in values were higher than in quantities due to stronger prices. Wheat exports grew 17.3 per cent in value, while quantity rose 8.5 per cent. Larger exports of wheat to the United States, Indonesia, Bangladesh and Peru contributed to the growth. Canola seed, the second largest export in 2017, rose 9.8 per cent in value and 4.2 per cent in quantity. China remained the most important market for canola seed, followed by Japan, Mexico and the United Arab Emirates. Among the other crops, increases were reported for dry peas, lentils, barley, and hay and fodder.

In the livestock sector, exports of live animals were lower than in 2016. Exports of live cattle declined slightly in value, down 1.7 per cent, owing to lower prices, while the number of exported cattle rose 10.9 per cent. In contrast, live hog exports showed an increase in value, up 7.9 per cent, while the quantity fell about one per cent. Beef exports increased 3.9 per cent to \$1.7 billion with quantity up 3.1 per cent to 272,000 tonnes. Also, pork exports grew in both value and quantity. As in previous years, the United States was Alberta's largest export market for livestock.

Trading Partners

In 2017, Alberta's top five export markets for agri-food products were the same as in 2016, comprising the United States, China, Japan, Mexico and South Korea. Exports to these countries combined were \$8.3 billion, representing almost three-quarters of Alberta's total agri-food exports.

The United States continues to be Alberta's largest trading partner, accounting for 38 per cent of total agri-food exports. In 2017, exports to this market rose 5.1 per cent to \$4.3 billion. Contrary to the previous year, commodity exports rose 6.9 per cent mainly due to much higher exports of wheat, dry peas, lentils, vegetables and fruits. Also, significant increases were reported in exports of value added products such as crude canola oil, dairy products, processed meat, beef and pork. The United States remained Alberta's sole export market for non-purebred live cattle and hogs and accounted for over 70 per cent of the province's total beef exports (value and quantity).

Exports to China, Alberta's second largest market in 2017, posted the largest percentage increase among the top five countries. Exports to this market rose sharply by 44 per cent to almost \$2 billion. The increase was a result of substantially higher exports of barley, dry peas, canola seed, crude canola oil, pork and beef. As in previous years, crude canola oil was the second largest export to China, after canola seed. Exports of canola seed was up 29.4 per cent, while crude canola oil almost doubled (up 93 per cent). Canola seed and oil combined, made up 64 per cent of Alberta's total exports to this market.

Exports to Japan, Alberta's third largest market grew moderately by 2.8 per cent to \$1.3 billion in 2017. Higher exports of canola seed, wheat, pork and beef, contributed to the growth. Canola seed (\$422 million), continued to be the largest export, followed by pork. Exports of pork grew less than one per cent to \$214 million and beef exports rose 3.8 per cent to \$123 million. Other increases were reported for barley, hay and fodder, dry peas, milled cereals and refined canola oil.

Exports to Mexico, Alberta's fourth largest market rose 11.7 per cent to \$602 million. The increase was a result of larger exports of canola seed, wheat, malt, pork and beef. Beef exports grew 3.8 per cent to \$102 million and canola was up 17.6 per cent to \$292 million. Canola seed, beef and wheat combined, made up over 80 per cent of Alberta's total agri-food exports to this market.

Exports to South Korea, Alberta's fifth largest export market declined 9.7 per cent to \$214 million in 2017. Declines were reported in exports of wheat, crude canola oil, hides and skins, and beef. Moderating these declines were higher exports of hay and fodder, french fries, animal feeds, refined canola oil and pork.

At the regional level, the largest exports were reported for Asia and North America. Agri-food exports to Asia rose 22.1 per cent to \$4.7 billion and accounted for 42.2 per cent of Alberta's total. Increases in exports were reported for all regions with the exception of Western Europe and Oceania.

Table 34: Alberta International Agri-Food Exports - Value, 1989-2017

	Exports to All Countries		Exports to the United States		Exports to All Other countries	
	\$'000	% Chg.	\$'000	% Chg.	\$'000	% Chg.
1989 (1).....	2,286,567	-	722,102	-	1,564,465	-
1990.....	2,356,367	3.1	727,005	0.7	1,629,362	4.1
1991.....	2,200,140	-6.6	741,843	2.0	1,458,297	-10.5
1992.....	2,707,788	23.1	1,078,736	45.4	1,629,052	11.7
1993.....	2,632,560	-2.8	1,331,947	23.5	1,300,613	-20.2
1994 (2).....	3,640,691	38.3	1,816,245	36.4	1,824,446	40.3
1995.....	4,001,269	9.9	1,882,490	3.6	2,118,779	16.1
1996.....	4,691,087	17.2	2,186,300	16.1	2,504,788	18.2
1997.....	4,867,307	3.8	2,254,525	3.1	2,612,783	4.3
1998.....	4,708,430	-3.3	2,511,198	11.4	2,197,232	-15.9
1999.....	4,544,994	-3.5	2,566,030	2.2	1,978,964	-9.9
2000.....	5,297,317	16.6	2,779,189	8.3	2,518,128	27.2
2001.....	5,987,232	13.0	3,288,223	18.3	2,699,008	7.2
2002.....	5,201,917	-13.1	3,035,205	-7.7	2,166,713	-19.7
2003.....	4,087,581	-21.4	2,019,356	-33.5	2,068,225	-4.5
2004.....	5,251,513	28.5	2,301,903	14.0	2,949,610	42.6
2005.....	5,336,306	1.6	2,495,672	8.4	2,840,634	-3.7
2006.....	5,813,428	8.9	2,606,735	4.5	3,206,692	12.9
2007.....	6,491,477	11.7	2,697,170	3.5	3,794,307	18.3
2008.....	8,385,912	29.2	3,212,989	19.1	5,172,924	36.3
2009.....	7,428,837	-11.4	2,703,726	-15.9	4,725,111	-8.7
2010.....	6,775,409	-8.8	2,431,171	-10.1	4,344,238	-8.1
2011.....	8,061,065	19.0	2,550,749	4.9	5,510,316	26.8
2012.....	9,209,942	14.3	2,967,055	16.3	6,242,888	13.3
2013.....	8,711,642	-5.4	3,049,960	2.8	5,661,682	-9.3
2014r.....	9,754,059	12.0	3,945,473	29.4	5,808,586	2.6
2015r.....	10,181,125	4.4	3,998,281	1.3	6,182,844	6.4
2016r.....	10,006,421	-1.7	4,061,223	1.6	5,945,199	-3.8
2017p.....	11,237,843	12.3	4,268,730	5.1	6,969,113	17.2

(1) Establishment of the 1989 Canada and United States Free Trade Agreement (FTA).

(2) Establishment of the 1994 Canada, United States and Mexico North American Free Trade Agreement (NAFTA).

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 17 Growth in Alberta Agri-Food Exports Since Establishment of Free Trade Agreements

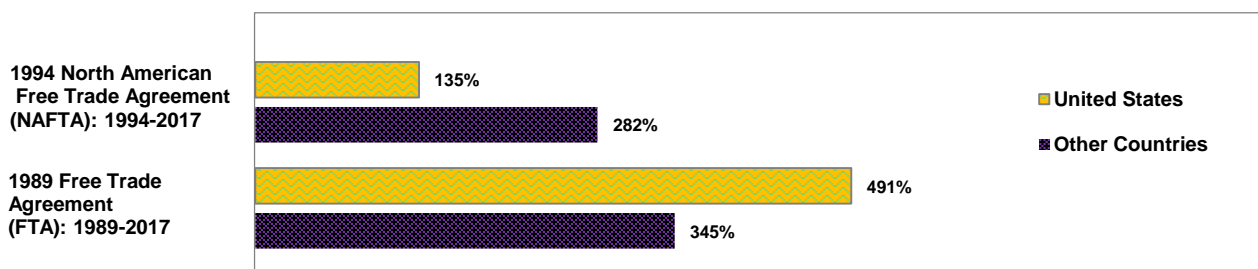
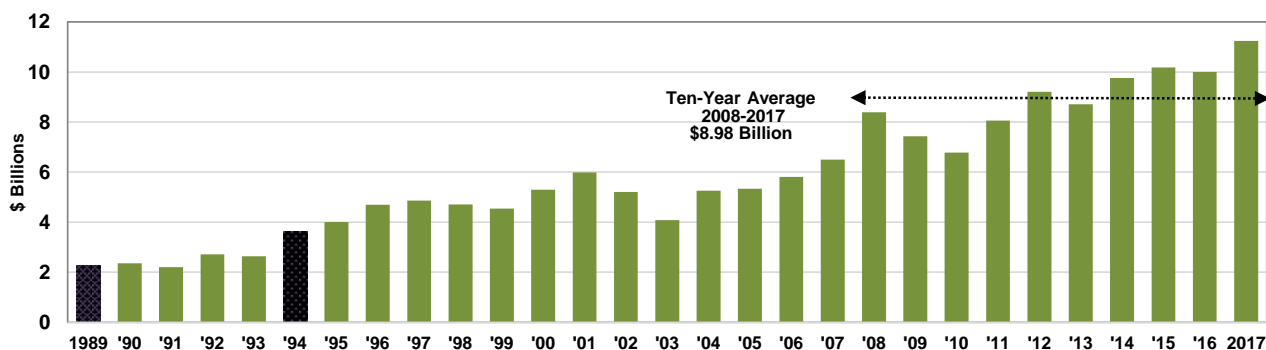


Fig. 18 Value of Alberta Agri-Food Exports to All Countries, 1989-2017



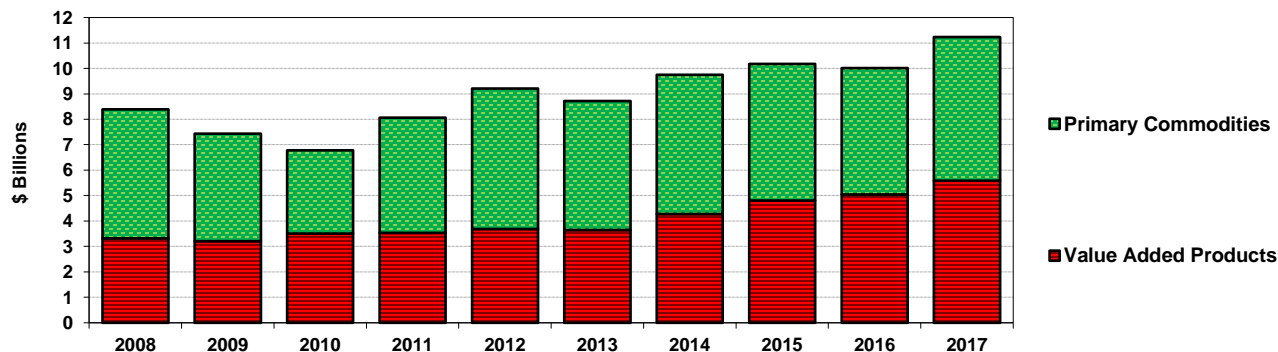
Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 35: Agri-Food Exports by Type of Product, Alberta and Canada - Value, 2008-2017

	Value Added			Value Added		
	Primary Commodities	Processed Products	Total Agri-Food Exports	Primary Commodities	Processed Products	Total Agri-Food Exports
	\$'000			% Change From Previous Year		
Alberta						
2008.....	5,070,451	3,315,461	8,385,912	39.9	15.6	29.2
2009.....	4,216,732	3,212,105	7,428,837	-16.8	-3.1	-11.4
2010.....	3,262,394	3,513,015	6,775,409	-22.6	9.4	-8.8
2011.....	4,520,345	3,540,720	8,061,065	38.6	0.8	19.0
2012.....	5,529,191	3,680,751	9,209,942	22.3	4.0	14.3
2013.....	5,060,670	3,650,973	8,711,642	-8.5	-0.8	-5.4
2014r.....	5,476,136	4,277,923	9,754,059	8.2	17.2	12.0
2015r.....	5,378,878	4,802,184	10,181,125	-1.8	12.3	4.4
2016r.....	4,956,955	5,049,466	10,006,421	-7.8	5.1	-1.7
2017p.....	5,653,014	5,584,829	11,237,843	14.0	10.6	12.3
Ten-Year Average: 2008-2017				Ten-Year % Change: 2017/2008		
	4,912,477	4,062,743	8,975,226	11.5	68.4	34.0
Five-Year Average: 2013-2017				Five-Year % Change: 2017/2013		
	5,305,130	4,673,075	9,978,218	11.7	53.0	29.0
Canada						
2008.....	20,316,795	18,921,239	39,238,035	36.5	11.8	23.4
2009.....	17,506,050	18,004,367	35,510,417	-13.8	-4.8	-9.5
2010.....	16,379,712	19,381,765	35,761,478	-6.4	7.7	0.7
2011.....	18,847,012	21,765,974	40,612,986	15.1	12.3	13.6
2012.....	20,625,638	23,243,295	43,868,933	9.4	6.8	8.0
2013.....	22,098,258	24,236,188	46,334,445	7.1	4.3	5.6
2014r.....	25,624,759	26,355,523	51,980,283	16.0	8.7	12.2
2015r.....	26,688,074	29,412,441	56,100,515	4.1	11.6	7.9
2016r.....	25,341,301	31,183,689	56,524,991	-5.0	6.0	0.8
2017p.....	25,858,638	32,384,261	58,242,899	2.0	3.8	3.0
Ten-Year Average: 2008-2017				Ten-Year % Change: 2017/2008		
	21,928,624	24,488,874	46,417,498	27.3	71.2	48.4
Five-Year Average: 2013-2017				Five-Year % Change: 2017/2013		
	25,122,206	28,714,420	53,836,626	17.0	33.6	25.7

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 19 Value of Alberta Agri-Food Exports by Type of Product, 2008-2017



Note: Primary commodities refer to raw commodities (animals and crops). Value added products refer to processed products and by-products of manufacture, as well as, crude animal and plant products.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 36: Alberta Agri-Food Exports by Product - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017	
	\$'000					%	\$'000	%
Animals and Crops								
Live Cattle, Purebred.....	4,345	3,671	974	1,518	847	-44.2	2,271	0.0
Live Cattle, Other.....	477,928	714,747	585,111	622,529	612,083	-1.7	602,480	6.0
Live Hogs.....	45,206	61,839	53,094	54,577	58,895	7.9	54,722	0.5
Other Live Animals (incl. Bison, Sheep, Poultry).....	26,377	41,536	52,922	53,331	55,317	3.7	45,897	0.5
Barley.....	183,018	194,185	194,930	142,072	197,043	38.7	182,250	1.8
Wheat.....	2,307,003	2,339,479	2,423,187	1,820,108	2,134,702	17.3	2,204,896	22.1
Oats.....	53,737	41,359	43,526	37,383	28,804	-22.9	40,962	0.4
Other Cereal, Unmilled.....	25,967	6,968	20,726	7,283	4,717	-35.2	13,132	0.1
Hay and Fodder (incl. Alfalfa Cubes).....	104,146	100,541	96,131	89,356	102,366	14.6	98,508	1.0
Peas.....	85,590	64,598	59,004	80,551	186,616	131.7	95,272	1.0
Lentils.....	5,608	5,646	13,473	34,705	57,103	64.5	23,307	0.2
Other Dried Beans.....	40,765	45,472	53,687	54,925	63,426	15.5	51,655	0.5
Potatoes, Seed and Other.....	11,879	21,640	26,309	52,376	44,274	-15.5	31,295	0.3
Fruits and Vegetables.....	13,169	14,848	6,372	3,635	7,708	112.0	9,146	0.1
Canola Seed.....	1,615,906	1,766,656	1,677,209	1,841,453	2,022,277	9.8	1,784,700	17.9
Mustard Seed.....	24,446	21,713	18,629	19,839	13,942	-29.7	19,714	0.2
Linseed.....	33,887	29,487	51,025	34,436	27,419	-20.4	35,251	0.4
Other Oilseeds and Oilnuts.....	1,692	1,750	2,571	6,878	35,475	415.8	9,673	0.1
Sub-Total.....	5,060,670	5,476,136	5,378,878	4,956,955	5,653,014	14.0	5,305,130	53.2
Crude Animal and Plant Products								
Raw Hides and Skins (incl. Fur Skins).....	204,577	253,286	221,079	205,841	197,938	-3.8	216,544	2.2
Bovine Semen.....	42,995	55,074	47,322	55,250	60,484	9.5	52,225	0.5
Other Crude Animal Products.....	38,901	52,772	69,647	55,974	62,533	11.7	55,965	0.6
Seeds for Sowing.....	44,599	42,985	51,256	61,911	72,943	17.8	54,739	0.5
Nursery Stock.....	410	189	279	328	163	-50.3		
Peat Moss.....	48,599	54,924	80,564	85,505	80,785	-5.5	70,076	0.7
Other Crude Vegetable Products.....	4,809	8,257	9,759	12,311	12,681	3.0	9,563	0.1
Sub-Total.....	384,891	467,486	479,905	477,120	487,527	2.2	459,386	4.6
Products and By-Products of Manufacture								
Meats (1) - Total.....	1,397,723	1,996,213	2,266,268	2,252,547	2,334,187	3.6	2,049,388	20.5
Beef and Veal.....	961,703	1,428,935	1,696,488	1,670,369	1,735,462	3.9	1,498,591	15.0
Pork.....	348,311	467,104	468,885	471,956	492,560	4.4	449,763	4.5
Horse Meat.....	46,115	53,825	50,891	51,049	38,293	-25.0	48,035	0.5
Other Meat (2).....	12,837	11,809	16,422	15,693	16,235	3.5	14,599	0.1
Processed Meat.....	28,758	34,539	33,582	43,481	51,637	18.8	38,400	0.4
Dairy Products.....	531	3,504	283	820	11,470	1,298.0	3,322	0.0
Eggs.....	-	8	1,063	1,012	439	-56.7	504	0.0
Honey.....	12,832	14,929	20,499	33,433	27,150	-18.8	21,769	0.2
Wheat Flour.....	6,389	8,720	8,627	9,042	8,100	-10.4	8,175	0.1
Malt of Barley.....	174,599	225,601	237,560	241,187	240,142	-0.4	223,818	2.2
Other Cereals Milled.....	47,434	51,096	61,590	59,134	66,175	11.9	57,086	0.6
Cereals Preparations.....	33,022	37,191	48,868	50,164	51,617	2.9	44,172	0.4
Vegetable and Fruit Preparations.....	7,092	15,128	18,976	23,567	20,636	-12.4	17,080	0.2
Fruit and Vegetable Juices.....	4,877	3,701	3	148	1	-99.5	1,746	0.0
Processed Potatoes.....	201,535	278,965	328,795	336,700	327,726	-2.7	294,744	3.0
Sugar and Sugar Preparations.....	17,826	10,710	17,698	16,212	21,465	32.4	16,782	0.2
Foods and Food Materials.....	29,937	36,443	38,005	41,354	42,864	3.7	37,721	0.4
Oilseed Cake and Meal.....	229,939	279,168	253,319	241,202	403,522	67.3	281,430	2.8
Alfalfa Meal and Pellets, Dehydrated.....	1,260	1,222	1,200	1,549	6,432	315.2	2,333	0.0
Feeds of Vegetable Origin.....	14,068	15,437	14,532	10,435	18,719	79.4	14,638	0.1
Prepared Animal Feeds.....	212,619	242,852	316,938	273,481	249,589	-8.7	259,096	2.6
Whiskey.....	71,515	66,450	66,880	61,849	70,963	14.7	67,532	0.7
Beer.....	15	32	30	126	113	-10.3	63	0.0
Other Beverages (Wine, Mineral Water).....	7,620	9,934	16,845	15,382	11,675	-24.1	12,291	0.1
Tallow.....	104,330	100,471	88,499	128,204	119,074	-7.1	108,116	1.1
Canola/Mustard Oil, Crude.....	444,606	184,893	242,629	536,634	853,873	59.1	452,527	4.5
Canola/Mustard Oil, Refined.....	167,092	145,448	194,978	144,683	116,504	-19.5	153,741	1.5
Other Oils, Fats, Waxes and Extracts.....	72,304	82,322	78,260	93,270	94,758	1.6	84,183	0.8
Other Products.....	110	-	-	209	108	-	85	0.0
Sub-Total.....	3,259,273	3,810,437	4,322,343	4,572,346	5,097,302	11.5	4,212,340	42.2
Total Agri-Food Exports.....	8,704,834	9,754,059	10,181,125	10,006,421	11,237,843	12.3	9,976,856	100.0

(1) Refers to fresh, chilled, frozen meat, edible offal and includes processed meat.

(2) Includes poultry, sheep and bison meat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 37: Alberta Agri-Food Exports by Product - Quantity, 2013-2017

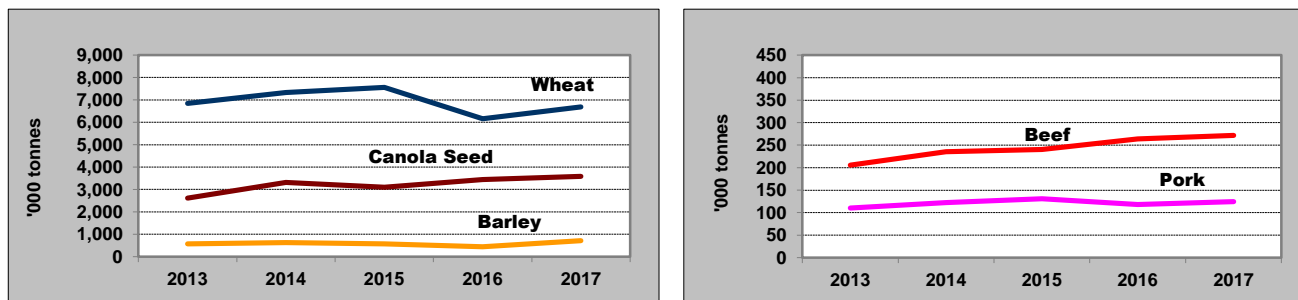
	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	Head					%	Head
Live Cattle - Total	291,730	360,877	226,071	280,872	311,253	10.8	294,161
Purebred Cattle.....	950	1,063	294	313	182	-41.9	560
Other Cattle.....	290,780	359,814	225,777	280,559	311,071	10.9	293,600
Live Hogs	571,400	614,794	643,722	714,727	708,328	-0.9	650,594
	tonnes					%	tonnes
Meats (1) - Total	339,904	380,780	393,191	404,607	420,443	3.9	387,785
Beef and Veal.....	205,184	235,525	240,469	263,960	272,004	3.0	243,429
Pork.....	109,930	122,244	131,035	118,355	124,774	5.4	121,267
Horse Meat.....	8,312	8,652	6,919	6,072	3,822	-37.1	6,756
Other Meat (2).....	8,507	5,829	6,890	5,962	7,813	31.1	7,000
Processed Meat.....	7,971	8,530	7,877	10,258	12,029	17.3	9,333
Crops							
Wheat.....	6,845,987	7,331,799	7,564,066	6,164,398	6,689,414	8.5	6,919,133
Barley.....	572,566	625,826	565,012	441,655	711,367	61.1	583,285
Oats.....	182,839	127,986	140,150	132,657	103,518	-22.0	137,430
Other Cereals Unmilled.....	66,293	13,359	43,711	19,887	14,923	-25.0	31,635
Hay and Fodder (incl. Alfalfa Cubes).....	310,781	279,894	247,266	243,711	295,835	21.4	275,497
Potatoes, Seed and Other.....	29,927	40,417	36,118	60,533	56,157	-7.2	44,630
Vegetables and Fruits.....	7,328	10,966	3,559	1,923	4,264	121.7	5,608
Peas, Dried.....	219,720	173,652	119,716	179,057	449,077	150.8	228,244
Lentils.....	7,622	9,409	14,318	33,041	81,409	146.4	29,160
Other Dried Beans.....	37,467	41,998	53,366	54,677	60,252	10.2	49,552
Canola Seed.....	2,609,422	3,319,319	3,106,387	3,448,435	3,593,197	4.2	3,215,352
Mustard Seed.....	26,878	24,984	21,676	22,182	17,316	-21.9	22,607
Linseed.....	48,057	43,233	73,053	55,216	44,225	-19.9	52,757
Other Oilseeds.....	2,143	2,752	1,928	2,617	67,835	2,491.8	15,455
Manufacture / Processed Products							
Dairy Produce.....	235	808	70	203	4,676	2,201.4	1,198
Honey.....	2,507	2,840	3,640	8,113	6,372	-21.5	4,694
Wheat or Meslin Flour.....	9,761	11,225	10,109	9,880	10,222	3.5	10,240
Malt of Barley.....	272,435	349,959	326,516	323,340	329,497	1.9	320,350
Other Cereals Milled.....	92,438	83,500	94,719	87,346	110,265	26.2	93,654
Cereals Prepared.....	8,734	10,196	13,225	12,923	12,271	-5.1	11,470
Processed Potatoes.....	176,736	227,131	224,867	233,322	227,627	-2.4	217,937
Oilseed Cake and Meal.....	662,717	775,080	809,280	753,552	1,222,655	62.3	844,657
Alfalfa Meal and Pellets, Dehydrated.....	3,211	2,813	2,224	2,621	13,949	432.2	4,964
Other Feeds of Vegetable Origin.....	58,227	58,364	48,009	38,786	78,571	102.6	56,391
Prepared Animal Feeds.....	130,932	127,769	119,362	110,563	96,722	-12.5	117,069
Canola/Mustard Oil, Crude.....	367,146	186,330	276,674	563,705	868,029	54.0	452,377
Canola/Mustard Oil, Refined.....	121,544	124,022	183,673	124,084	90,392	-27.2	128,743
Tallow.....	117,415	111,278	117,130	149,348	125,387	-16.0	124,112
Seeds for Sowing.....	17,937	14,714	15,144	17,985	21,101	17.3	17,376
Peat Moss.....	147,062	158,914	204,352	199,804	182,526	-8.6	178,532

(1) Refers to fresh, chilled and frozen meat, edible offal and includes processed meat.

(2) Includes, poultry, sheep and bison meat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 20 Quantity of Selected Commodities/Products Exported from Alberta, 2013-2017



Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 38: Alberta Wheat Exports by Country - Value and Quantity, 2013-2017

Country Rank in 2017	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	Value (1)					%	\$'000
	\$'000						
1 United States.....	342,612	326,366	260,045	173,366	280,444	61.8	276,567
2 Japan.....	203,503	187,833	159,764	189,327	202,997	7.2	188,685
3 Indonesia.....	173,557	147,630	200,008	145,658	200,207	37.4	173,412
4 Bangladesh.....	100,886	100,881	129,511	115,256	143,091	24.2	117,925
5 Peru.....	89,498	124,498	146,099	107,690	125,986	17.0	118,754
6 Colombia.....	83,341	116,914	99,349	113,816	100,738	-11.5	102,832
7 Nigeria.....	59,555	75,350	74,988	67,729	97,925	44.6	75,110
8 Vietnam.....	22,306	4,670	30,972	8,116	94,415	1,063.3	32,096
9 Mexico.....	125,456	103,724	93,414	83,498	90,346	8.2	99,287
10 Algeria.....	33,411	42,924	47,879	56,618	89,281	57.7	54,023
11 China.....	109,320	35,839	120,206	70,933	72,517	2.2	81,763
12 Ecuador.....	47,262	37,436	59,353	45,369	60,285	32.9	49,941
13 Morocco.....	42,356	39,786	31,057	40,880	52,952	29.5	41,406
14 United Arab Emirates.....	60,215	43,205	31,846	29,100	50,085	72.1	42,890
15 Italy.....	47,993	87,727	87,988	68,446	45,603	-33.4	67,551
16 United Kingdom.....	47,164	33,321	41,675	34,866	43,664	25.2	40,138
17 Sri Lanka.....	48,687	67,247	76,886	41,020	37,828	-7.8	54,333
18 Ghana.....	52,236	24,452	44,239	45,515	36,161	-20.6	40,520
19 Philippines.....	36,312	12,991	98,521	3,797	27,181	615.9	35,760
20 Venezuela.....	118,809	100,514	123,364	45,920	25,455	-44.6	82,812
21 Chile.....	18,029	47,223	44,578	20,891	24,484	17.2	31,041
22 Korea, South.....	33,081	74,987	23,577	21,359	19,889	-6.9	34,579
23 Malaysia.....	14,237	9,866	17,406	17,817	19,841	11.4	15,833
24 Cuba.....	29,202	23,079	27,332	27,715	17,928	-35.3	25,051
25 Brazil.....	56,001	25,582	-	16,343	16,022	-2.0	22,790
Top 25 Countries.....	1,995,030	1,894,044	2,070,054	1,591,044	1,975,323	24.2	1,905,099
Other.....	311,974	445,434	353,132	229,064	159,379	-30.4	299,797
All Countries (Total Value).....	2,307,003	2,339,479	2,423,187	1,820,108	2,134,702	17.3	2,204,896
	Quantity (1)					%	tonnes
	tonnes						
1 United States.....	1,066,423	1,036,378	747,156	597,816	882,067	47.5	865,968
2 Indonesia.....	516,764	480,378	638,658	521,871	607,821	16.5	553,098
3 Japan.....	595,730	594,474	509,941	642,565	582,177	-9.4	584,977
4 Bangladesh.....	294,682	327,835	421,151	403,840	447,393	10.8	378,980
5 Peru.....	265,031	392,466	489,478	381,464	416,398	9.2	388,967
6 Vietnam.....	69,055	15,209	109,493	27,639	350,117	1,166.7	114,303
7 Colombia.....	249,885	373,194	338,502	402,218	337,829	-16.0	340,326
8 Nigeria.....	176,362	240,917	234,436	227,698	305,571	34.2	236,997
9 Mexico.....	378,496	334,361	319,317	297,642	291,510	-2.1	324,265
10 Algeria.....	90,381	113,804	97,113	157,520	263,785	67.5	144,521
11 China.....	322,029	109,231	372,642	240,740	213,242	-11.4	251,577
12 Ecuador.....	139,654	118,927	198,350	155,830	190,756	22.4	160,703
13 Morocco.....	114,536	100,401	71,516	112,325	150,311	33.8	109,818
14 United Arab Emirates.....	175,448	137,542	98,045	96,311	148,340	54.0	131,137
15 Italy.....	135,429	230,832	233,696	203,638	147,702	-27.5	190,259
16 United Kingdom.....	140,374	107,817	115,507	109,226	128,284	17.4	120,242
17 Sri Lanka.....	143,107	217,565	259,865	156,759	127,607	-18.6	180,981
18 Ghana.....	155,178	78,984	138,609	153,596	106,258	-30.8	126,525
19 Philippines.....	107,479	42,540	308,292	13,192	87,402	562.5	111,781
20 Chile.....	53,681	150,569	163,128	78,146	82,973	6.2	105,699
21 Venezuela.....	345,701	310,607	343,368	148,567	78,285	-47.3	245,306
22 Brazil.....	172,496	82,309	-	59,508	62,315	4.7	75,326
23 Korea, South.....	98,097	233,060	67,007	72,766	59,504	-18.2	106,087
24 Malaysia.....	42,976	31,821	56,829	62,387	57,257	-8.2	50,254
25 Cuba.....	86,278	74,470	78,136	86,420	53,207	-38.4	75,702
Top 25 Countries.....	5,935,272	5,935,691	6,410,235	5,409,684	6,178,111	14.2	5,973,799
Other.....	910,715	1,396,108	1,153,831	754,714	511,303	-32.3	945,334
All Countries (Total Quantity).....	6,845,987	7,331,799	7,564,066	6,164,398	6,689,414	8.5	6,919,133

(1) Includes durum wheat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

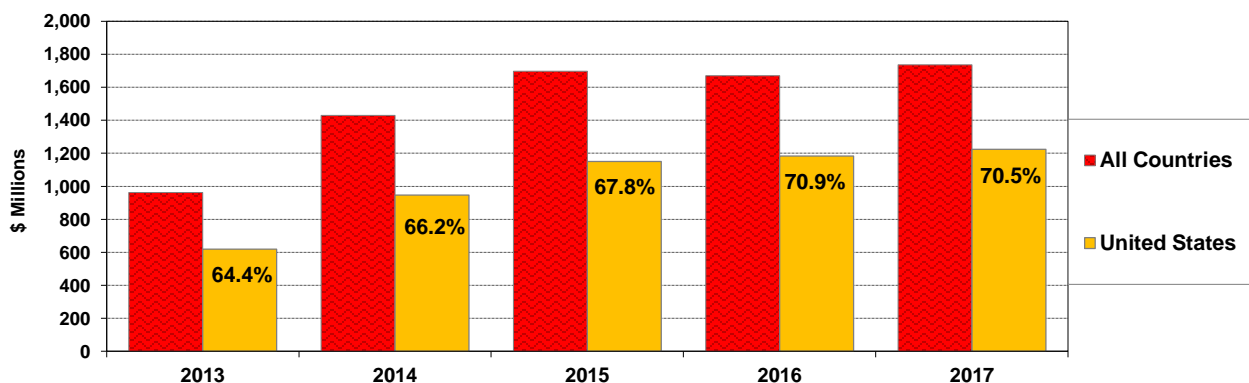
Table 39: Alberta Beef Exports by Country - Value, 2013-2017 (1)

Country Rank in 2017	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	\$'000					%	\$'000
1 United States.....	618,949	945,962	1,150,110	1,183,536	1,224,332	3.4	1,024,578
U.S. % of Total	64.4	66.2	67.8	70.9	70.5		68.4
2 Hong Kong.....	136,965	172,523	71,544	141,649	134,817	-4.8	131,499
3 Japan.....	56,871	73,270	65,076	118,450	122,977	3.8	87,329
4 Mexico.....	84,221	136,318	142,594	97,883	101,623	3.8	112,528
5 China.....	25,929	39,023	234,879	59,115	73,245	23.9	86,438
6 Taiwan.....	2,682	11,654	1,341	5,646	24,807	339.4	9,226
7 Korea, South.....	6,905	22,953	3,710	36,119	24,096	-33.3	18,757
8 Netherlands.....	1,065	4,649	3,548	2,638	6,237	136.4	3,627
9 Philippines.....	2,121	3,137	6,369	6,165	4,373	-29.1	4,433
10 Chile.....	-	398	2,261	5,243	3,983	-24.0	2,377
11 Vietnam.....	1,787	-	87	1,730	3,704	114.1	1,462
12 Cuba.....	4,041	1,052	3,654	1,805	1,876	3.9	2,485
13 Angola.....	481	2,666	2,471	929	1,874	101.8	1,684
14 Switzerland.....	1,837	2,094	1,735	1,338	1,153	-13.8	1,631
15 Ivory Coast.....	257	635	761	393	1,054	168.1	620
16 France.....	264	946	869	496	913	84.3	698
17 United Arab Emirates.....	845	422	683	841	857	1.9	730
18 Bahrain.....	89	362	327	465	640	37.4	377
19 Mozambique.....	75	178	86	606	636	5.0	316
20 Macao.....	6,791	903	-	221	525	137.5	1,688
21 Senegal.....	89	109	30	-	456	-	137
22 Colombia.....	240	18	175	266	444	67.1	229
23 Peru.....	663	4,243	1,297	262	306	16.9	1,354
24 Gabon.....	65	233	122	167	274	64.5	172
25 Guinea.....	223	228	-	59	179	203.2	138
26 Congo.....	-	147	46	-	53	-	49
27 Tanzania, United Republic.....	-	-	-	-	26	-	5
28 Egypt.....	2,145	2,400	2,133	3,482	-	-100.0	2,032
Other Countries.....	6,101	2,413	582	867	-	-100.0	1,993
All Countries (Total).....	961,703	1,428,935	1,696,488	1,670,369	1,735,462	3.9	1,498,591

(1) Refers to fresh, chilled and frozen meat and includes edible offal.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 21 Alberta Exports of Beef to All Countries and the United States, Value, 2013-2017



Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

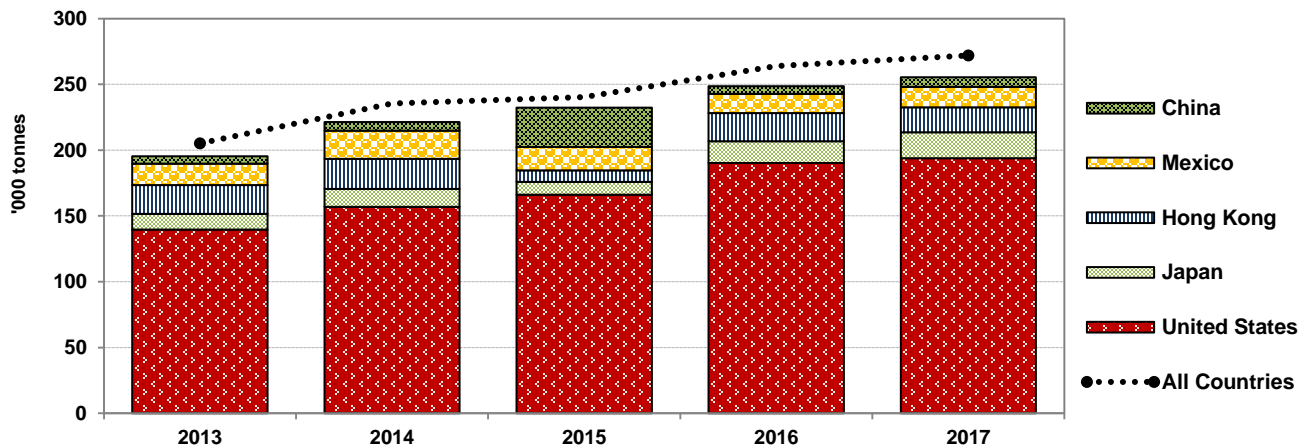
Table 40: Alberta Beef Exports by Country - Quantity, 2013-2017 (1)

Country Rank in 2017	2013	2014r	2015r	2016r	2017p	% Chg.	Average
						'17/'16	2013-2017
						%	tonnes
1 United States	139,696	156,855	166,074	190,144	194,005	2.0	169,355
U.S. % of Total	71.5	68.9	68.1	66.6	71.3		69.6
2 Japan.....	11,948	13,785	9,799	16,681	19,706	18.1	14,384
3 Hong Kong.....	21,899	22,884	8,789	21,430	18,927	-11.7	18,786
4 Mexico.....	16,244	21,315	17,836	14,490	15,610	7.7	17,099
5 China.....	5,652	6,492	29,749	5,885	7,147	21.4	10,985
6 Korea, South.....	1,016	2,906	463	5,820	3,837	-34.1	2,809
7 Taiwan.....	503	1,607	130	888	3,659	312.1	1,357
8 Angola.....	550	2,373	2,104	970	1,837	89.3	1,567
9 Ivory Coast.....	300	627	691	429	1,287	200.2	667
10 Philippines.....	490	467	940	1,097	915	-16.6	782
11 Chile.....	-	96	315	806	850	5.5	413
12 Mozambique.....	97	149	76	650	627	-3.5	320
13 Vietnam.....	330	-	22	231	582	151.5	233
14 Bahrain.....	70	248	225	350	549	57.0	288
15 Senegal.....	125	103	25	-	452	-	141
16 Colombia.....	207	25	101	275	427	55.5	207
17 Netherlands.....	109	336	264	137	292	113.9	228
18 Gabon.....	123	157	152	175	275	57.2	176
19 Peru.....	595	2,125	800	165	269	63.6	791
20 Cuba.....	690	204	435	188	226	20.5	349
21 Guinea.....	219	222	-	73	199	173.2	143
22 France.....	24	104	100	65	86	32.6	76
23 Switzerland.....	185	205	179	122	79	-35.4	154
24 Congo.....	-	77	52	-	50	-	36
25 Macao.....	1,286	95	-	23	45	92.2	290
26 United Arab Emirates.....	110	36	56	75	39	-47.8	63
27 Tanzania, United Republic.....	-	-	-	-	25	-	5
28 Egypt.....	2,014	1,676	945	2,612	-	-100.0	1,449
Other Countries.....	700	356	147	179	-	-100.0	277
All Countries (Total)	205,184	235,525	240,469	263,960	272,004	3.0	243,429

(1) Refers to fresh, chilled and frozen meat and includes edible offal.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 22 Alberta Exports of Beef to Top Five Countries, Quantity, 2013-2017



Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 41: Alberta Agri-Food Exports by Country - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017		
	\$'000					%	\$'000	%	
Top Five Markets in 2017									
1 United States.....	3,049,960	3,945,473	3,998,281	4,061,223	4,268,730	5.1	3,864,733	38.7	
2 China.....	1,517,298	1,328,928	1,587,700	1,375,286	1,980,226	44.0	1,557,888	15.6	
3 Japan.....	1,288,407	1,197,409	1,100,971	1,225,660	1,260,000	2.8	1,214,490	12.2	
4 Mexico.....	536,302	537,275	571,791	539,546	602,403	11.7	557,463	5.6	
5 Korea, South.....	114,134	227,718	232,542	236,825	213,963	-9.7	205,037	2.1	
Top Five Markets % of Total	6,506,102	7,236,803	7,491,286	7,438,540	8,325,322	11.9	7,399,611	74.2	
	74.7	74.2	73.6	74.3	74.1				
6 Indonesia.....	220,091	190,174	213,562	152,560	206,848	35.6	196,647	2.0	
7 United Arab Emirates.....	88,266	103,946	132,653	153,613	199,353	29.8	135,566	1.4	
8 Hong Kong.....	152,846	191,738	108,064	174,258	181,737	4.3	161,729	1.6	
9 Bangladesh.....	103,722	110,053	156,930	142,223	167,132	17.5	136,012	1.4	
10 India.....	38,545	17,717	30,924	82,133	148,656	81.0	63,595	0.6	
11 Pakistan.....	83	62,971	124,064	231,817	141,552	-38.9	112,097	1.1	
12 Peru.....	90,890	131,313	149,975	111,844	137,507	22.9	124,306	1.2	
13 France.....	23,403	31,194	58,095	106,261	121,436	14.3	68,078	0.7	
14 Vietnam.....	32,674	11,548	38,773	12,393	109,211	781.2	40,920	0.4	
15 Colombia.....	97,860	130,544	106,306	128,391	104,428	-18.7	113,506	1.1	
16 Nigeria.....	59,594	75,393	75,031	67,812	98,020	44.5	75,170	0.8	
17 Algeria.....	34,683	43,538	50,681	57,265	91,753	60.2	55,584	0.6	
18 Philippines.....	51,548	30,328	128,468	52,833	85,029	60.9	69,641	0.7	
19 Chile.....	20,020	75,263	57,298	28,439	69,189	143.3	50,042	0.5	
20 Malaysia.....	16,619	12,103	36,781	30,404	63,812	109.9	31,944	0.3	
21 Ecuador.....	51,711	39,472	59,741	46,339	61,059	31.8	51,665	0.5	
22 Italy.....	53,574	94,197	95,577	78,433	59,332	-24.4	76,223	0.8	
23 Taiwan.....	33,327	42,245	40,422	31,010	56,929	83.6	40,787	0.4	
24 Morocco.....	44,502	40,180	31,624	42,031	53,455	27.2	42,358	0.4	
25 United Kingdom.....	52,831	38,556	49,578	43,943	53,059	20.7	47,593	0.5	
26 Sri Lanka.....	49,129	67,247	76,934	53,369	52,687	-1.3	59,873	0.6	
27 Singapore.....	38,525	36,901	26,735	66,051	51,512	-22.0	43,945	0.4	
28 Netherlands.....	15,446	25,506	23,499	26,693	38,630	44.7	25,955	0.3	
29 Ghana.....	52,427	24,653	44,337	45,549	36,186	-20.6	40,630	0.4	
30 Germany.....	15,668	18,382	33,507	33,355	28,663	-14.1	25,915	0.3	
31 Venezuela.....	128,610	105,042	126,128	46,066	26,303	-42.9	86,430	0.9	
32 Russian Federation.....	24,370	72,248	13,803	18,172	24,969	37.4	30,712	0.3	
33 Belgium.....	23,827	37,803	29,321	41,960	24,290	-42.1	31,440	0.3	
34 Turkey.....	10,485	10,483	25,448	20,561	21,632	5.2	17,722	0.2	
35 Cuba.....	33,243	24,269	31,382	29,934	21,612	-27.8	28,088	0.3	
36 Guatemala.....	15,085	9,962	16,256	23,719	21,281	-10.3	17,261	0.2	
37 Thailand.....	19,857	15,100	37,670	17,885	21,067	17.8	22,316	0.2	
38 Brazil.....	60,319	30,034	4,095	21,010	18,620	-11.4	26,816	0.3	
39 Saudi Arabia.....	24,721	88,054	45,984	12,003	17,014	41.7	37,555	0.4	
40 Spain.....	21,470	17,084	29,421	16,017	16,203	1.2	20,039	0.2	
41 Dominican Republic.....	1,504	7,425	15,530	11,021	15,982	45.0	10,292	0.1	
42 New Zealand.....	10,994	12,025	12,991	13,149	15,231	15.8	12,878	0.1	
43 Kenya.....	12,089	11,671	8,505	13,069	14,792	13.2	12,025	0.1	
44 Costa Rica.....	11,672	23,102	14,310	9,812	14,531	48.1	14,685	0.1	
45 Poland.....	6,173	5,663	8,201	11,328	13,208	16.6	8,915	0.1	
46 Switzerland.....	16,772	17,856	18,346	15,495	13,189	-14.9	16,331	0.2	
47 Sweden.....	5,144	6,976	10,027	11,387	12,721	11.7	9,251	0.1	
48 Portugal.....	2,871	8,127	16,083	11,524	11,884	3.1	10,098	0.1	
49 Tanzania, United Republic.....	13,670	9,084	5,231	6,574	11,497	74.9	9,211	0.1	
50 Mozambique.....	13,609	23,940	11,499	11,343	11,497	1.4	14,378	0.1	
Other Countries.....	311,072	336,146	260,047	206,835	147,824	-28.5	252,385	2.5	
All Countries (Total).....	8,711,642	9,754,059	10,181,125	10,006,421	11,237,843	12.3	9,978,218	100.0	

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 42: Alberta Agri-Food Exports to The United States - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16
	\$'000					%
Animals and Crops						
Live Cattle, Purebred.....	28	971	273	183	193	5.6
Live Cattle, Other.....	476,798	714,411	584,043	622,078	611,596	-1.7
Live Hogs.....	45,157	61,839	53,094	54,098	58,889	8.9
Other Live Animals.....	16,249	27,755	36,442	37,281	43,364	16.3
Barley.....	59,222	66,641	67,668	37,207	25,687	-31.0
Wheat.....	342,612	326,366	260,045	173,366	280,444	61.8
Oats.....	51,259	40,098	41,030	31,346	26,897	-14.2
Other Cereals, Unmilled.....	10,695	6,392	5,337	5,791	4,005	-30.8
Hay and Fodder (incl. Alfalfa Cubes).....	34,490	27,843	23,001	17,850	15,674	-12.2
Peas, Dried.....	7,504	25,588	5,624	10,401	12,895	24.0
Lentils.....	1,127	398	1,535	214	396	85.0
Other Dried Beans.....	24,925	26,388	28,598	36,633	35,759	-2.4
Potatoes, Seed and Other.....	10,952	20,856	26,308	52,376	44,273	-15.5
Fruits and Vegetables.....	12,348	10,764	6,321	3,361	7,312	117.5
Canola Seed.....	109,286	169,344	96,762	95,104	95,323	0.2
Mustard Seed.....	11,400	13,499	12,367	13,786	10,175	-26.2
Linseed.....	10,522	8,079	12,116	6,623	7,352	11.0
Other Oilseeds/Oilnuts/Kernels.....	933	494	387	84	66	-21.3
Sub-Total.....	1,225,506	1,547,728	1,260,951	1,197,782	1,280,301	6.9
Crude Animal and Plant Products						
Raw Hides and Skins (incl. Fur Skins).....	8,679	9,280	5,007	4,290	4,216	-1.7
Bovine Semen.....	16,660	24,094	19,019	31,259	33,356	6.7
Other Crude Animal Products.....	16,619	28,282	24,854	16,644	19,109	14.8
Seeds for Sowing.....	37,961	36,561	45,798	52,378	64,111	22.4
Nursery Stock.....	367	189	260	328	163	-50.3
Peat Moss.....	47,828	54,228	79,805	84,955	80,323	-5.5
Other Crude Vegetable Products.....	3,705	6,196	5,487	6,781	8,280	22.1
Sub-Total.....	131,820	158,830	180,231	196,634	209,558	6.6
Products and By-Products of Manufacture						
Meats (1) - Total.....	712,952	1,083,182	1,306,195	1,341,709	1,397,147	4.1
Beef and Veal.....	618,949	945,962	1,150,110	1,183,536	1,224,332	3.4
Pork.....	84,986	126,525	138,936	137,098	148,167	8.1
Other Meat (2).....	2,974	3,378	6,854	8,224	6,557	-20.3
Processed Meat.....	6,043	7,317	10,295	12,850	18,091	40.8
Dairy Products.....	-	-	76	168	292	73.9
Eggs.....	-	8	1,063	1,012	439	-56.7
Honey.....	6,565	4,873	9,649	23,183	21,154	-8.7
Wheat or Meslin Flour.....	5,053	5,677	7,244	7,204	6,700	-7.0
Malt of Barley.....	71,192	116,504	108,178	104,084	109,264	5.0
Other Cereals, Milled.....	35,494	42,516	48,327	45,145	49,451	9.5
Cereal Preparations.....	32,264	36,303	47,367	49,017	51,060	4.2
Fruit and Vegetable Preparations.....	7,053	15,040	18,955	23,514	20,609	-12.4
Fruit and Vegetable Juices.....	280	148	-	-	-	-
Processed Potatoes.....	183,589	204,680	239,367	242,762	237,529	-2.2
Sugar and Sugar Preparations.....	9,365	10,700	14,737	7,719	9,664	25.2
Food and Food Materials.....	25,473	30,926	33,505	35,621	38,003	6.7
Oilseed Cake and Meal.....	217,475	274,074	248,659	239,307	281,676	17.7
Alfalfa Meal and Pellets, Dehydrated.....	1,260	1,222	1,200	1,549	6,432	315.2
Feeds of Vegetable Origin.....	7,226	6,434	6,208	1,706	3,360	97.0
Prepared Animal Feeds.....	90,283	113,196	176,492	100,158	20,983	-79.1
Whiskey.....	43,733	45,425	49,831	46,395	55,078	18.7
Beer.....	15	32	30	126	113	-10.3
Other Beverages (excl. Juices).....	6,967	8,432	9,524	7,659	5,252	-31.4
Tallow.....	38,835	44,144	41,026	60,409	63,392	4.9
Canola/Mustard Oil- Crude.....	1,276	21,198	44,430	179,940	252,696	40.4
Canola/Mustard Oil- Refined.....	154,045	130,614	101,427	100,813	97,374	-3.4
Other Oils, Fats and Waxes.....	42,225	43,585	43,612	47,400	51,202	8.0
Other Products.....	14	-	-	209	-	-
Sub-Total.....	1,692,634	2,238,915	2,557,099	2,666,807	2,778,871	4.2
Total Exports to The United States.....	3,049,960	3,945,473	3,998,281	4,061,223	4,268,730	5.1

(1) Refers to fresh, chilled, frozen meat, edible offal and includes processed meat.

(2) Includes: poultry, sheep and bison meat and horse meat in 2016.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 43: Alberta Agri-Food Exports to Japan - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16
	\$'000					%
Animals and Crops						
Live Horses, Asses, Mules and Hinnies.....	9,671	13,515	15,917	15,649	11,640	-25.6
Barley.....	40,830	34,081	12,990	8,205	15,512	89.1
Wheat.....	203,503	187,833	159,764	189,327	202,997	7.2
Oats.....	1,698	762	966	933	678	-27.3
Other Cereals, Unmilled.....	14,561	37	252	837	448	-46.4
Hay and Fodder (incl. Alfalfa Cubes).....	58,276	57,927	55,851	45,169	55,466	22.8
Peas, Dried.....	935	937	1,788	1,105	1,473	33.3
Lentils.....	-	-	-	-	-	-
Other Dried Beans.....	45	230	163	95	245	159.3
Fruits and Vegetables.....	95	-	-	94	82	-12.5
Canola Seed.....	544,378	420,946	356,808	403,039	421,912	4.7
Mustard Seed.....	3,943	3,483	3,224	3,495	2,356	-32.6
Linseed.....	396	204	181	215	195	-9.3
Other Oilseeds.....	-	45	18	49	-	-100.0
Sub-Total.....	878,333	719,999	607,921	668,210	713,004	6.7
Crude Animal and Plant Products						
Raw Hides and Skins.....	1,761	2,393	2,207	912	1,006	10.3
Fur Skins Undressed.....	-	-	-	-	-	-
Bovine Semen.....	1,412	1,256	2,484	1,639	1,062	-35.2
Other Crude Animal Products.....	23	163	123	45	389	760.9
Seeds for Sowing.....	271	559	782	253	450	78.0
Peat Moss.....	139	132	174	215	20	-90.6
Other Crude Vegetable Products.....	5	4	-	13	6	-57.1
Sub-Total.....	3,612	4,508	5,769	3,076	2,933	-4.7
Products and By-Products of Manufacture						
Meats (1) - Total.....	250,505	309,540	311,667	387,568	388,122	0.1
Beef and Veal.....	56,871	73,270	65,076	118,450	122,977	3.8
Pork.....	153,310	189,024	198,976	212,978	214,063	0.5
Horsemeat.....	17,919	20,350	24,556	26,868	20,676	-23.0
Other Meat (2).....	30	419	70	-	24	-
Processed Meat.....	22,375	26,477	22,988	29,273	30,382	3.8
Dairy Products.....	-	-	-	-	669	-
Honey.....	5,771	9,832	10,236	9,872	5,824	-41.0
Malt of Barley.....	70,383	68,358	80,613	82,325	74,703	-9.3
Other Cereals, Milled.....	2,728	650	1,178	1,643	6,706	308.2
Cereals, Prepared.....	43	149	646	628	498	-20.7
Processed Potatoes.....	5,331	21,783	32,439	21,600	18,963	-12.2
Sugar and Sugar Preparations.....	4	-	2	6	11	89.1
Food and Food Materials.....	2,761	2,790	2,627	3,131	2,446	-21.9
Oilseed Cake and Meal.....	687	91	149	189	206	9.3
Alfalfa Meal and Pellets, Dehydrated.....	-	-	-	-	-	-
Feeds of Vegetable Origin.....	2,123	2,728	1,942	2,082	3,198	53.6
Prepared Animal Feeds.....	2,336	3,766	6,279	9,464	8,244	-12.9
Whiskey.....	10,078	5,950	2,610	668	813	21.7
Other Beverages (excl. Juices).....	468	1,038	569	991	776	-21.7
Tallow.....	38,591	36,091	25,123	20,164	17,262	-14.4
Canola/Mustard Oil, Crude.....	3,070	-	898	-	-	-
Canola/Mustard Oil, Refined.....	4,844	4,032	3,300	5,010	6,252	24.8
Other Oils, Fats and Waxes.....	6,738	6,101	7,005	9,036	9,371	3.7
Sub-Total.....	406,462	472,901	487,281	554,374	544,064	-1.9
Total Exports to Japan.....	1,288,407	1,197,409	1,100,971	1,225,660	1,260,000	2.8

(1) Refers to fresh, chilled, frozen meat, edible offal and includes processed meat.

(2) Includes poultry, sheep, and other meat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 44: Alberta Agri-Food Exports to Mexico - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg.
	\$'000					'17/'16
						%
Animals and Crops						
Purebred Live Cattle.....	-	878	341	149	-	-100.0
Live Cattle (incl. Purebred).....	-	336	1,069	452	487	7.8
Other Live Animals (Sheep and Goats).....	10	-	0	-	-	-
Barley.....	374	335	-	173	-	-
Wheat.....	125,456	103,724	93,414	83,498	90,346	8.2
Oats.....	286	18	119	2,380	56	-97.6
Other Cereals, Unmilled.....	-	-	-	-	-	-
Peas, Dried.....	36	38	-	-	-	-
Lentils.....	-	-	-	-	-	-
Other Dried Beans.....	1,994	-	-	-	-	-
Potatoes, Seed and Other.....	926	595	-	-	-	-
Canola Seed.....	279,748	247,767	251,830	247,982	291,667	17.6
Linseed.....	380	217	249	168	163	-3.4
Sub-Total.....	409,211	353,908	347,020	334,801	382,718	14.3
Crude Animal and Plant Products						
Raw Hides and Skins.....	2	0	0	69	238	243.9
Fur Skins Undressed.....	1	-	-	-	-	-
Bovine Semen.....	88	386	1,080	1,072	702	-34.5
Other Crude Animal Products.....	8,819	10,980	14,927	17,014	13,351	-21.5
Other Crude Vegetable Products.....	-	3	3	-	-	-
Sub-Total.....	8,909	11,369	16,010	18,155	14,291	-21.3
Products and By-Products of Manufacture						
Meats (1) - Total.....	94,606	145,604	152,527	113,857	121,020	6.3
Beef and Veal.....	84,221	136,318	142,594	97,883	101,623	3.8
Pork.....	10,385	9,157	9,863	15,938	19,119	20.0
Other Meat (2).....	-	98	70	-	159	-
Processed Meat.....	-	29	-	36	119	227.5
Dairy Products.....	-	-	-	-	1,291	-
Malt of Barley.....	-	7,356	21,001	42,633	47,643	11.8
Cereals, Milled.....	2,455	4,929	11,453	10,285	7,943	-22.8
Fruit and Vegetable Preparations.....	-	-	-	-	-	-
Fruit and Vegetable Juices.....	4,597	3,531	-	-	-	-
Processed Potatoes.....	5,387	3,440	3,590	4,004	8,267	106.5
Sugar and Sugar Preparations.....	8,400	-	2,900	8,197	11,769	43.6
Food and Food Materials.....	-	432	-	0	-	-
Oilseed Cake and Meal.....	-	-	-	-	-	-
Prepared Animal Feeds.....	-	-	-	-	-	-
Whiskey.....	105	129	312	153	-	-100.0
Beverages (excl. Beer and Fruit Juices).....	-	298	6,214	6,418	5,255	-18.1
Tallow.....	-	4,420	9,142	-	-	-
Oils, Fats and Waxes (excl. Canola Oil).....	2,632	1,861	1,622	1,041	2,206	111.9
Sub-Total.....	118,181	171,998	208,761	186,590	205,394	10.1
Total Exports to Mexico.....	536,302	537,275	571,791	539,546	602,403	11.7

0 - (zero) refers to value less than \$500.

(1) Refers to fresh, chilled, frozen meat, edible offal and includes processed meat.

(2) Includes poultry, sheep, and other meat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 45: Alberta Agri-Food Exports to China - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16
	\$'000					%
Animals and Crops						
Live Cattle, Purebred.....	-	-	-	-	-	-
Live Hogs.....	-	-	-	-	-	-
Barley.....	51,946	76,800	114,101	89,642	134,172	49.7
Wheat.....	109,320	35,839	120,206	70,933	72,517	2.2
Oats.....	8	12	290	329	307	-6.6
Other Cereals, Unmilled.....	-	-	-	34	-	-
Hay and Fodder (incl. Alfalfa Cubes).....	1,606	4,515	6,973	16,683	15,595	-6.5
Peas, Dried.....	34,391	11,825	6,459	7,378	33,517	354.3
Lentils.....	41	405	207	313	94	-70.0
Other Dried Beans.....	-	-	-	-	184	-
Vegetables and Fruits.....	-	921	-	-	4	-
Canola Seed.....	663,645	782,652	689,815	624,514	808,297	29.4
Mustard Seeds.....	48	33	43	47	151	220.3
Linseed.....	12,494	11,316	25,562	19,259	15,423	-19.9
Other Oilseeds.....	-	-	-	-	31,593	-
Sub-Total.....	873,499	924,319	963,656	829,131	1,111,855	34.1
Crude Animal and Plant Products						
Raw Hides and Skins.....	170,577	201,606	137,770	165,262	163,427	-1.1
Fur Skins Undressed.....	-	7	-	-	-	-
Bovine Semen.....	2,687	5,905	4,207	1,489	3,678	147.0
Other Crude Animal Products.....	1,221	1,574	2,874	2,676	2,768	3.4
Seeds for Sowing.....	653	487	244	951	3,644	283.3
Nursery Stock.....	-	-	-	-	-	-
Peat Moss.....	-	-	15	-	-	-
Other Crude Vegetable Products.....	42	511	110	277	583	110.6
Sub-Total.....	175,180	210,090	145,220	170,655	174,101	2.0
Products and By-Products of Manufacture						
Meats (1) - Total.....	26,669	39,990	257,360	76,415	97,915	28.1
Beef and Veal.....	25,929	39,023	234,879	59,115	73,245	23.9
Pork.....	740	967	22,456	17,263	24,671	42.9
Horse Meat.....	-	-	-	37	-	-
Processed Meat.....	-	-	26	-	-	-
Dairy Produce.....	-	-	-	-	-	-
Honey.....	400	224	385	201	136	-32.1
Wheat or Meslin Flour.....	18	60	-	447	219	-51.0
Malt of Barley.....	13	-	-	-	-	-
Cereals, Milled.....	172	189	-	-	0	-
Cereals, Prepared.....	-	-	-	6	18	176.9
Vegetable and Fruit Preparations.....	-	-	-	-	1	-
Vegetable and Fruit Juices.....	-	-	-	146	-	-100.0
Processed Potatoes.....	6,793	27,195	19,633	19,921	1,968	-90.1
Sugar and Sugar Preparations.....	-	7	-	-	-	-
Food/Food Materials.....	137	338	409	457	554	21.3
Oilseed Cake and Meal.....	-	-	4	-	119,382	-
Prepared Animal Feeds.....	196	188	98	3,347	6,443	92.5
Whiskey.....	-	-	83	182	52	-71.6
Other Beverages (Mineral Water and Grape Wine).....	137	2	20	184	180	-2.0
Tallow.....	-	-	-	191	-	-100.0
Canola/Mustard Oil- Crude.....	432,438	124,511	119,240	240,874	464,782	93.0
Canola/Mustard Oil- Refined.....	1,646	1,800	81,498	32,475	2,530	-92.2
Other Oils, Fats and Waxes.....	-	17	94	653	89	-86.4
Sub-Total.....	468,618	194,519	478,824	375,500	694,270	84.9
Total Exports to China.....	1,517,298	1,328,928	1,587,700	1,375,286	1,980,226	44.0

0 - (zero) refers to value less than \$500.

(1) Refers to fresh, chilled, frozen meat, edible offal and includes processed meat.

(2) Includes poultry, sheep, and other meat.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

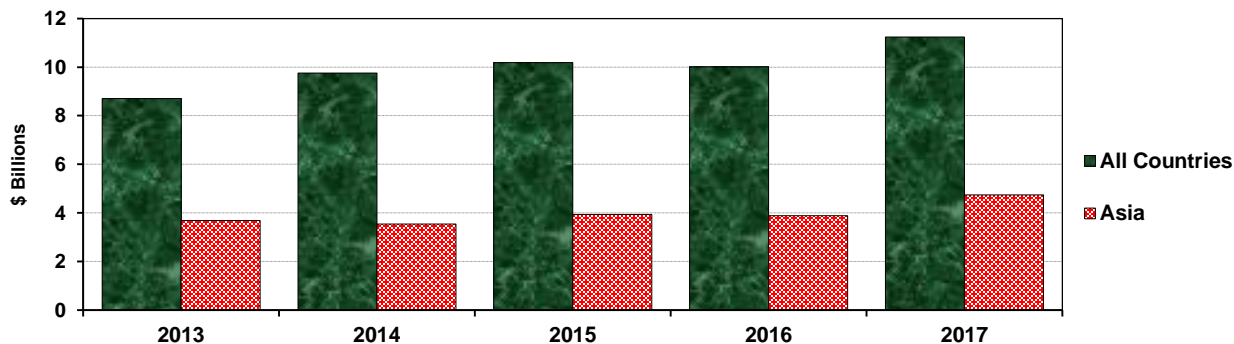
Table 46: Alberta Agri-Food Exports to Asia - Value, 2013-2017

Asia	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	\$'000					%	\$'000
Top Five Markets in 2017							
1 China.....	1,517,298	1,328,928	1,587,700	1,375,286	1,980,226	44.0	1,557,888
2 Japan.....	1,288,407	1,197,409	1,100,971	1,225,660	1,260,000	2.8	1,214,490
3 Korea, South.....	114,134	227,718	232,542	236,825	213,963	-9.7	205,037
4 Indonesia.....	220,091	190,174	213,562	152,560	206,848	35.6	196,647
5 Hong Kong.....	152,846	191,738	108,064	174,258	181,737	4.3	161,729
Top Five Markets	3,292,777	3,135,967	3,242,839	3,164,590	3,842,774	21.4	3,335,789
Remaining Markets							
6 Bangladesh.....	103,722	110,053	156,930	142,223	167,132	17.5	136,012
7 India.....	38,545	17,717	30,924	82,133	148,656	81.0	63,595
8 Pakistan.....	83	62,971	124,064	231,817	141,552	-38.9	112,097
9 Vietnam.....	32,674	11,548	38,773	12,393	109,211	781.2	40,920
10 Philippines.....	51,548	30,328	128,468	52,833	85,029	60.9	69,641
11 Malaysia.....	16,619	12,103	36,781	30,404	63,812	109.9	31,944
12 Taiwan.....	33,327	42,245	40,422	31,010	56,929	83.6	40,787
13 Sri Lanka.....	49,129	67,247	76,934	53,369	52,687	-1.3	59,873
14 Singapore.....	38,525	36,901	26,735	66,051	51,512	-22.0	43,945
15 Thailand.....	19,857	15,100	37,670	17,885	21,067	17.8	22,316
16 Myanmar (Burma).....	576	508	504	764	2,130	178.8	896
17 Nepal.....	53	138	44	385	1,176	205.7	359
18 Macao.....	6,819	1,019	-	416	544	30.8	1,760
19 Afghanistan.....	0	0	-	-	12	-	2
20 Mongolia.....	10	18	1	-	11	-	8
21 Brunei Darussalam.....	63	-	35	-	-	-	20
22 Timor-Leste.....	-	15	-	-	-	-	3
23 Korea, North.....	-	-	-	-	-	-	0
Remaining Markets	391,550	407,911	698,286	721,682	901,459	24.9	624,178
Exports to Asia.....	3,684,326	3,543,878	3,941,125	3,886,272	4,744,234	22.1	3,959,967
Exports to All Countries.....	8,704,834	9,754,059	10,181,125	10,006,421	11,237,843	12.3	9,976,856
Asia % of Total Exports.....	42.3	36.3	38.7	38.8	42.2		39.7

0 - (zero) refers to value less than \$500.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 23 Alberta Agri-Food Exports to All Countries and to Asia, 2013-2017



Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 47: Alberta Agri-Food Exports to European Union (EU 28) by Country and Product - Value, 2013-2017

	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	\$'000					%	\$'000
Total Alberta Agri-Food Exports	8,704,834	9,754,059	10,181,125	10,006,421	11,237,843	12.3	9,976,856
Agri-Food Exports to EU (28)							
1 France.....	23,403	31,194	58,095	106,261	121,436	14.3	68,078
2 Italy.....	53,574	94,197	95,577	78,433	59,332	-24.4	76,223
3 United Kingdom.....	52,831	38,556	49,578	43,943	53,059	20.7	47,593
4 Netherlands.....	15,446	25,506	23,499	26,693	38,630	44.7	25,955
5 Germany.....	15,668	18,382	33,507	33,355	28,663	-14.1	25,915
6 Belgium.....	23,827	37,803	29,321	41,960	24,290	-42.1	31,440
7 Spain.....	21,470	17,084	29,421	16,017	16,203	1.2	20,039
8 Poland.....	6,173	5,663	8,201	11,328	13,208	16.6	8,915
9 Sweden.....	5,144	6,976	10,027	11,387	12,721	11.7	9,251
10 Portugal.....	2,871	8,127	16,083	11,524	11,884	3.1	10,098
11 Greece.....	6,097	7,241	7,178	5,406	6,045	11.8	6,394
12 Czech Republic.....	4,455	4,146	7,312	4,956	5,590	12.8	5,292
13 Finland.....	3,472	4,277	5,416	3,516	4,782	36.0	4,293
14 Denmark.....	2,461	1,683	2,023	2,748	3,194	16.2	2,422
15 Hungary.....	2,090	1,711	1,866	1,830	2,420	32.3	1,983
16 Romania.....	718	971	1,122	1,616	2,178	34.8	1,321
17 Croatia.....	207	371	511	280	1,286	359.4	531
18 Lithuania.....	766	865	937	1,116	1,264	13.3	989
19 Latvia.....	374	279	574	756	1,208	59.8	638
20 Slovakia.....	-	12	-	515	1,015	97.0	309
21 Cyprus.....	807	1,028	423	525	653	24.3	687
22 Bulgaria.....	209	233	317	348	468	34.6	315
23 Malta.....	388	92	176	184	382	107.5	244
24 Slovenia.....	77	-	-	-	307	-	77
25 Ireland, Republic of (EIRE).....	1,087	611	478	228	149	-34.7	510
26 Luxembourg.....	20	103	47	72	28	-61.8	54
27 Austria.....	100	0	17	75	16	-78.7	42
28 Estonia.....	16	13	4	11	8	-28.1	10
Exports to EU (28)	243,750	307,124	381,707	405,082	410,419	1.3	349,617
EU % of Alberta Total	2.8	3.1	3.7	4.0	3.7		3.5
Agri-Food Exports to EU (28)							
	2013	2014r	2015r	2016r	2017p	% Chg. '17/'16	Average 2013-2017
	\$'000					%	\$'000
Agri-Food Exports to EU (28)	243,750	307,124	381,707	405,082	410,419	1.3	349,617
-- Primary Commodities	144,010	203,545	256,010	262,984	238,736	-9.2	221,057
-- Value Added Products	99,740	103,579	125,697	142,099	171,682	20.8	128,560
Top Export Products in 2017							
1 Prepared Animal Feeds.....	43,079	49,122	75,308	89,120	121,284	36.1	75,582
2 Canola Seed.....	14	10,996	58,117	105,780	114,602	8.3	57,902
3 Wheat.....	121,008	168,150	169,891	132,383	106,571	-19.5	139,601
4 Whiskey.....	13,291	13,065	12,856	13,742	14,504	5.5	13,492
5 Bovine Semen.....	9,776	11,692	9,403	9,798	10,597	8.2	10,253
6 Horse Meat (Fresh, Frozen, Chilled).....	10,969	15,549	13,600	13,393	9,174	-31.5	12,537
7 Dried Beans (Excl. dry peas and lentils)...	6,755	9,744	11,637	10,321	9,014	-12.7	9,494
8 Beef (Fresh, Frozen, Chilled, incl. Offal)...	6,291	7,158	4,433	3,133	7,150	128.2	5,633
9 Seeds for Sowing.....	5,315	4,605	4,317	6,369	3,381	-46.9	4,798
10 Linseed.....	8,218	8,133	9,817	5,536	3,193	-42.3	6,979
Top 10 Products	224,716	298,212	369,378	389,577	399,470	2.5	336,271
% of EU Total	92.2	97.1	96.8	96.2	97.3		

0 - (zero) refers to value less than \$500.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

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Alberta Livestock Industry in 2017

Cattle and Calves

As of July 1, 2017, cattle and calves on Alberta farms totalled 5.1 million head, down 1.3 per cent from July 1, 2016. The decrease in inventory was mainly due to a decline in all cattle classes with the exception of milk cows, dairy heifers, beef heifers and calves, which grew. Cattle and calf inventories were influenced mainly by strong prices that led to increased marketings.

Alberta's total beef breeding herd, comprising cows and heifers, remained unchanged at 1.9 million head. Total beef cows declined 0.4 per cent to 1.6 million head, while beef heifers for replacement grew 2.2 per cent to 296,300 head. The decline in beef cow numbers was largely due to higher cow slaughter levels in 2017, compared to 2016. Alberta's dairy herd, comprised of milk cows and dairy replacement heifers increased 0.8 per cent to 120,600 head, compared to July 1, 2016.

Canadian farmers had 12.5 million head of cattle and calves on their farms, marginally up by 0.04 per cent from July 1, 2016. Inventories increased in all provinces with the exception of Alberta and Ontario where they fell. Alberta continues to lead the nation in cattle and calf inventories (5.1 million head), followed by Saskatchewan (2.6 million head), and Ontario (1.6 million head). Currently, Alberta accounts for 53.7 per cent of the total Western Canadian herd (9.6 million head) and 41 per cent of the national herd (12.5 million head).

In 2017, over three-quarters of Canadian beef processing occurred in Western Canada, with the majority concentrated in Alberta. The total Western Canadian cattle slaughter (excluding calves) in federally and provincially inspected plants was 2.3 million head, up seven per cent from 2016. Steers and heifers accounted for the bulk of slaughter and together constituted 83 per cent of the total. In 2017, cow slaughter was up seven per cent to 361,932 head, while bull slaughter rose 32.5 per cent to 21,553 head.

In 2017, Alberta cattle prices continued to be quite strong. Tight cattle supplies coupled with strong consumer demand for beef were the main factors driving up prices. Alberta fed (slaughter) steer prices averaged \$153.89 per cwt in 2017, up from \$150.57 per cwt in 2016, and 7.2 per cent higher than the five-year average. Slaughter heifer prices increased 3.8 per cent to \$154.09 per cwt., cow prices (D1/D2) barely grew 0.1 per cent to \$98.02 per cwt., while cow prices (D3) remained flat at \$87.14 per cwt. Feeder cow prices rose 2.6 per cent to \$106.63 per cwt. The only prices to post declines were bull prices which fell 6.9 per cent to \$112.27 per cwt.

Alberta's live cattle and calf shipments out-of-province were up in 2017, compared to 2016. Total shipments grew 4.2 per cent to 454,250 head. Strong US demand for fed cattle coupled with a supportive exchange rate continue to move cattle south of the border.

Live feeder cattle and calf shipments to all destinations in 2017 totalled 129,976 head, down 5.5 per cent from 2016. Of this total, 111,421 head were exported to other Canadian provinces and 18,555 head shipped to the United States and other countries.

Total shipments of cattle and calves for slaughter rose 9.1 per cent to 303,987 head, compared to 2016. Of this total, the bulk (94.9 per cent) was shipped to the United States, with the remainder going to other Canadian provinces.

Shipments of live replacement cattle and calves increased 2.4 per cent to 20,287 head. The majority (96.8 per cent) of replacements were shipped to other Canadian provinces, with Saskatchewan (14,982 head) and British Columbia (3,472 head) accounting for the bulk of exports.

Pigs

Alberta's total pig herd on farms was estimated at 1.5 million head, up 0.3 per cent from July 1, 2016. Inventories increased for all classes of animals with the exception of boars and pigs in the "Under 49 pound" class which decreased. The marginal increase in the total inventory can largely be attributed to the strong consumer demand for pork.

The estimated breeding inventory, comprising boars, sows and bred gilts, was up 2.7 per cent from July 1, 2016 to 130,900 head. Sows and bred gilts increased 2.9 per cent to 126,100 head, while boars decreased 2 per cent to 4,800 head, largely due to the increased use of artificial insemination.

Increases in most of the market hog inventories were moderated by a drop in hogs in the "Under 49 pound" class causing the total market hog inventory to remain relatively flat (up 0.1 per cent) at 1.3 million head. Increasing were hogs in the "50 to 119 pound" class that rose 7.7 per cent to 266,400 head, hogs in the "120 to 180 pound" class grew 4.7 per cent to 295,400 head, and hogs in the "Over 180 pound" class expanded 1.2 per cent to 287,600 head. Falling were hogs in the "Under 49 pound" class which declined 6.5 per cent to 489,700 head.

Nationally, Canadian producers had 14.2 million head of hogs, up 0.9 per cent from July 1, 2016. Inventories were up for all provinces, with the exception of Ontario which declined. Across Canada, Alberta currently ranks fourth in hog inventories (1.5 million head), behind Quebec (4.5 million head), Manitoba (3.5 million head) and Ontario (3.5 million head). It also accounts for 24 per cent of the Western Canadian hog population of 6.1 million head, and 10.3 per cent of the national total of 14.2 million head.

In 2017, over a tenth of Canadian pork processing occurred in Alberta. Total hog slaughter in federally and provincially inspected plants, irrespective of origin, decreased 0.8 per cent to 2.6 million head, compared to 2016. The 2017 slaughter represented 12 per cent of the Canadian total of 21.6 million head and 29.3 per cent of the Western Canadian total of 8.9 million head.

The annual average index 100 hog price grew 8.8 per cent to \$1.61 per kilogram compared to 2016. The growth in prices was largely due to strong consumer demand for pork.

Sheep and Lambs

As of July 1, 2017, the size of the total provincial sheep and lamb flock on Alberta farms was 194,000 head, down 0.5 per cent from a year earlier, marking the fourth consecutive year-over-year decline. The drop in inventory was mainly due to a decline in all classes of animals with the exception of replacement lambs which grew. Strong slaughter lamb and sheep prices continue to encourage marketings.

The number of rams fell 4.2 per cent to 4,600 head, while ewes at 89,800 head, dropped 0.3 per cent and market lambs fell one per cent to 82,300 head, compared to July 1, 2016. Increasing were replacement lambs which grew 1.8 per cent to 17,300 head.

Nationally, the sheep and lamb flock declined 0.3 per cent to 1.05 million head. Inventories were down in all provinces, with the exception of Manitoba and Prince Edward Island which showed growth.

Among provinces, Alberta ranked third in sheep and lamb inventories (194,000 head), behind Ontario (318,000 head) and Quebec (236,000 head). The province also accounted for 42.5 per cent of the total Western Canadian flock of 456,000 head, and 18.5 per cent of the national total of 1.05 million head.

Apiculture (1)

Preliminary estimates in 2017 indicate that the number of beekeepers in Alberta decreased for first time following eight consecutive years of growth. There were 1,360 beekeepers in the province (down 6.4 per cent from 2016) and represented 12.9 per cent of the Canadian total of 10,544 beekeepers or 23.5 per cent of the Western Canadian total of 5,789 beekeepers.

Honey bee colony numbers increased for the fourth consecutive year, setting a new provincial record. Total colonies increased 0.7 per cent from 309,000 in 2016, to 311,000 colonies in 2017. Despite Alberta accounting for a relatively small percentage of the nation's total beekeepers, the province had 39.4 per cent of the honey producing colonies in Canada (789,598 colonies), and accounted for 53.8 per cent of the Western Canadian total (578,578 colonies).

In 2017, total honey production was estimated at 18,057 tonnes, 0.9 per cent lower than the 18,221 tonnes in 2016. The decrease in production was attributed to poor queens, the presence of varroa mites, starvation and weak colonies in the fall of 2016, as well as a bad weather in the early spring of 2017.

Alberta continues to lead the nation in honey production, accounting for 43.2 per cent of the Canadian total of 41,780 tonnes, and 48.1 per cent of the Western Canadian total of 37,507 tonnes.

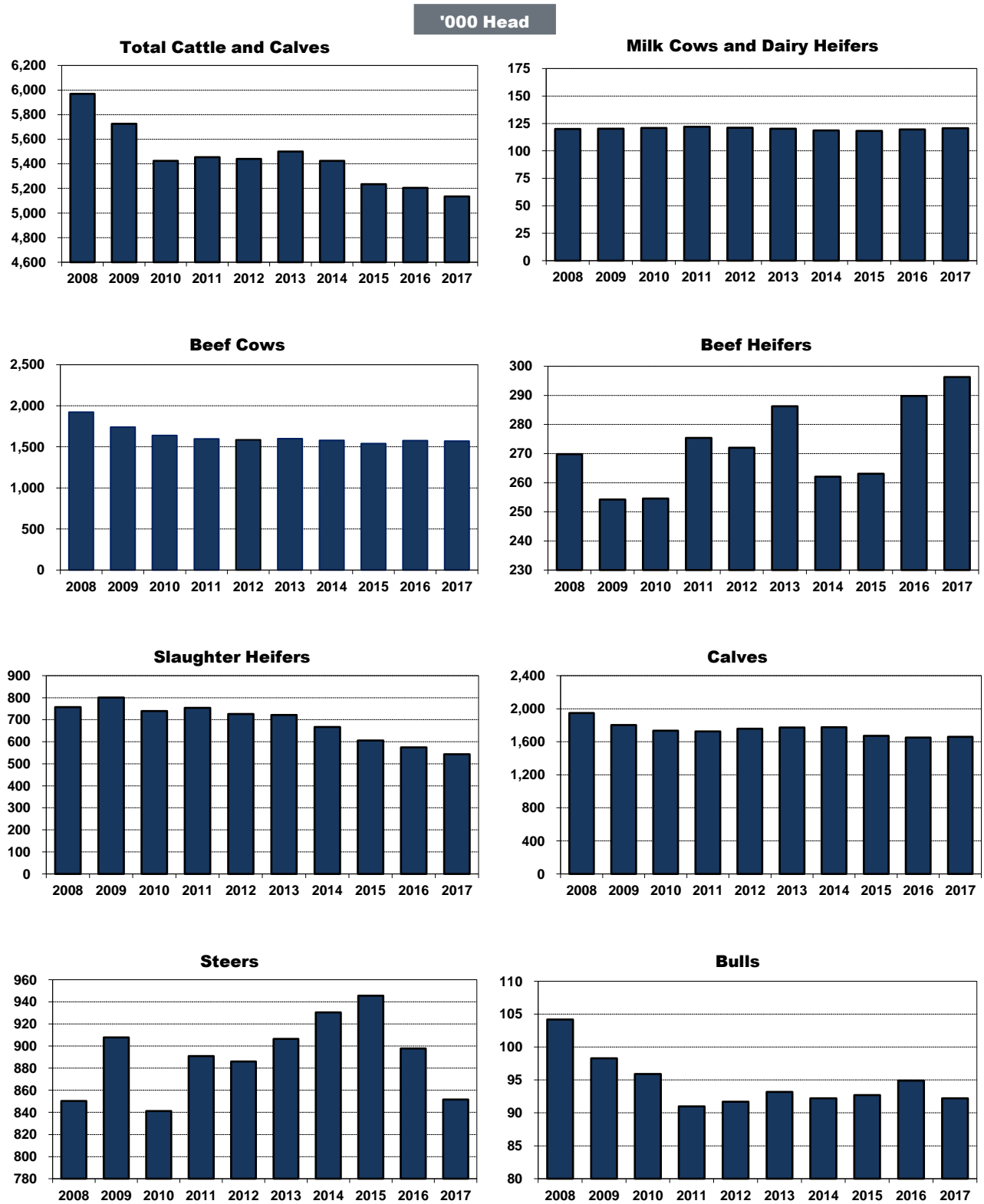
(1) 2017 honey statistics are based on the Statistics Canada, Table Number 32-10-0353-01 and estimates are subject to revision. Preliminary estimates are used to facilitate comparisons with Canada.

Table 48: Livestock on Farms, Canada and Provinces, July 1, 2006-2017

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cattle and Calves - '000 Head								
2006.....	16,000.0	6,300.0	3,450.0	1,680.0	820.0	2,032.6	1,425.0	292.4
2007.....	15,665.0	6,350.0	3,390.0	1,505.0	785.0	1,967.2	1,380.0	287.8
2008.....	14,910.0	5,970.0	3,215.6	1,485.0	730.0	1,881.4	1,350.0	278.0
2009.....	14,315.0	5,725.0	3,015.0	1,415.0	690.0	1,866.8	1,350.0	253.2
2010.....	13,695.0	5,425.0	2,920.0	1,330.0	650.0	1,816.3	1,310.0	243.7
2011.....	13,545.0	5,455.0	2,895.0	1,260.0	645.0	1,775.7	1,275.0	239.3
2012r.....	13,465.0	5,440.0	2,895.0	1,255.0	655.0	1,759.9	1,225.0	235.1
2013r.....	13,365.0	5,500.0	2,855.0	1,235.0	650.0	1,704.3	1,190.0	230.7
2014r.....	13,020.0	5,425.0	2,705.0	1,165.0	640.0	1,684.9	1,175.0	225.1
2015r.....	12,615.0	5,235.0	2,595.0	1,130.0	640.0	1,648.0	1,150.0	217.0
2016r.....	12,530.0	5,205.0	2,590.0	1,105.0	660.0	1,626.2	1,130.0	213.8
2017p.....	12,535.0	5,135.0	2,630.0	1,135.0	660.0	1,622.5	1,135.0	217.5
Pigs - '000 Head								
2006.....	15,065.0	2,056.0	1,389.0	2,980.0	135.0	3,929.6	4,250.0	325.4
2007.....	14,880.0	1,950.0	1,345.0	3,005.0	131.0	3,958.7	4,190.0	300.3
2008.....	13,320.0	1,630.0	1,025.0	2,840.0	123.0	3,348.8	4,165.0	188.2
2009.....	12,595.0	1,475.0	940.0	2,675.0	116.0	3,223.6	4,015.0	150.4
2010.....	12,525.0	1,420.0	975.0	2,815.0	89.0	2,994.6	4,100.0	131.4
2011.....	12,650.0	1,400.0	1,040.0	2,845.0	88.0	3,033.1	4,120.0	123.9
2012r.....	12,720.0	1,385.0	1,025.0	2,970.0	89.0	3,070.9	4,065.0	115.1
2013r.....	13,160.0	1,430.0	1,055.0	3,015.0	89.0	3,197.0	4,260.0	114.0
2014r.....	12,770.0	1,370.0	1,015.0	3,015.0	88.0	3,069.8	4,110.0	102.2
2015r.....	13,365.0	1,395.0	1,035.0	3,235.0	85.0	3,354.3	4,165.0	95.7
2016r.....	14,110.0	1,465.0	1,045.0	3,385.0	89.0	3,536.0	4,505.0	85.0
2017p.....	14,240.0	1,470.0	1,105.0	3,465.0	91.0	3,498.6	4,525.0	85.4
Sheep and Lambs - '000 Head								
2006.....	1,151.2	228.0	133.0	68.5	62.5	311.0	307.0	41.2
2007.....	1,109.9	209.0	122.0	70.0	58.0	312.0	296.0	42.9
2008.....	1,090.8	193.0	128.0	66.0	61.0	309.0	293.0	40.8
2009.....	1,104.4	189.0	119.0	71.0	59.0	335.0	289.0	42.4
2010.....	1,104.7	195.0	121.0	65.0	57.0	343.0	280.0	43.7
2011.....	1,138.0	203.0	123.0	68.0	58.0	360.0	280.0	46.0
2012r.....	1,131.2	201.0	127.0	74.0	58.0	354.0	270.0	47.2
2013r.....	1,115.6	204.0	126.0	78.0	59.0	344.0	260.0	44.6
2014r.....	1,073.0	200.0	121.0	76.0	57.0	325.0	250.0	44.0
2015r.....	1,053.7	197.0	116.0	83.0	57.0	318.0	240.0	42.7
2016r.....	1,052.1	195.0	110.0	90.0	59.0	321.0	237.0	40.1
2017p.....	1,049.0	194.0	108.0	98.0	56.0	318.0	236.0	39.0

Source: Statistics Canada, Tables 32-10-0130-01, 32-10-0145-01 and 32-10-0129-01

Fig. 24 Number of Cattle and Calves on Alberta Farms, July 1, 2008-2017



Source: Statistics Canada, Table 32-10-0130-01

Table 50: Pigs on Alberta Farms, July 1, 1991-2017

	Breeding Stock			All Other Pigs				Total		Alberta as a % of Canada	
	Boars	Sows	Total	Weight Class (lbs.)				Total	Alberta		Canada
				≤ 49	50-119	120-180	Over 180				
'000 Head											
1991.....	13.0	187.0	200.0	584.4	406.9	335.4	233.3	1,560.0	1,760.0	10,444.5	16.9
1992.....	14.1	198.9	213.0	605.7	470.0	359.6	264.8	1,700.1	1,913.1	10,803.0	17.7
1993.....	12.9	194.2	207.1	587.2	442.5	349.4	262.4	1,641.5	1,848.6	10,596.4	17.4
1994.....	13.5	196.6	210.1	573.3	415.8	331.7	247.7	1,568.5	1,778.6	10,728.1	16.6
1995.....	13.3	191.6	204.9	632.9	483.8	367.6	341.9	1,826.2	2,031.1	11,536.0	17.6
1996.....	12.0	178.5	190.5	582.4	458.6	332.4	312.0	1,685.4	1,875.9	11,547.6	16.2
1997.....	10.5	182.4	192.9	569.3	451.8	315.2	292.8	1,629.1	1,822.0	11,672.4	15.6
1998.....	9.9	181.2	191.1	574.1	489.6	315.3	310.8	1,689.8	1,880.9	12,357.1	15.2
1999.....	9.9	179.2	189.1	598.1	463.6	301.7	295.7	1,659.1	1,848.2	12,688.8	14.6
2000.....	9.7	185.7	195.4	610.3	501.4	308.7	302.4	1,722.8	1,918.2	13,401.0	14.3
2001.....	8.9	200.9	209.8	638.7	535.4	323.3	322.2	1,819.6	2,029.4	14,050.4	14.4
2002.....	7.9	209.0	216.9	675.3	551.4	342.5	354.8	1,924.0	2,140.9	14,715.0	14.5
2003.....	7.5	203.5	211.0	680.4	453.8	330.3	354.5	1,819.0	2,030.0	14,720.0	13.8
2004.....	7.3	198.0	205.3	669.4	483.1	327.7	344.5	1,824.7	2,030.0	14,980.0	13.6
2005.....	7.2	196.8	204.0	661.7	482.0	312.3	340.0	1,796.0	2,000.0	15,195.0	13.2
2006.....	7.1	188.0	195.1	665.1	524.2	316.4	355.2	1,860.9	2,056.0	15,065.0	13.6
2007.....	7.0	179.9	186.9	625.3	468.7	305.5	363.6	1,763.1	1,950.0	14,880.0	13.1
2008.....	6.2	160.2	166.4	537.8	366.0	256.1	303.7	1,463.6	1,630.0	13,320.0	12.2
2009.....	5.2	149.7	154.9	466.2	350.6	235.3	268.0	1,320.1	1,475.0	12,595.0	11.7
2010.....	4.9	139.9	144.8	465.2	341.8	220.2	248.0	1,275.2	1,420.0	12,525.0	11.3
2011.....	4.5	136.1	140.6	485.1	224.9	322.3	227.1	1,259.4	1,400.0	12,650.0	11.1
2012r.....	4.3	135.9	140.2	483.1	226.2	304.5	231.0	1,244.8	1,385.0	12,720.0	10.9
2013r.....	4.5	130.0	134.5	498.3	234.4	306.6	256.2	1,295.5	1,430.0	13,255.0	10.8
2014r.....	4.3	121.6	125.9	483.8	227.4	292.5	240.4	1,244.1	1,370.0	12,770.0	10.7
2015r.....	4.4	123.1	127.5	491.2	217.9	279.9	278.5	1,267.5	1,395.0	13,365.0	10.4
2016r.....	4.9	122.6	127.5	523.9	247.4	282.1	284.1	1,337.5	1,465.0	14,110.0	10.4
2017p.....	4.8	126.1	130.9	489.7	266.4	295.4	287.6	1,339.1	1,470.0	14,240.0	10.3

Source: Statistics Canada, Table 32-10-0145-01

Table 51: Sheep and Lambs on Alberta Farms, July 1, 1974-2017

	Rams 1 Year Plus	Ewes and Wethers	Lambs, Breeding Under 1 Year	Lambs, Market Under 1 Year	Total		Alberta as a % of Canada
					Alberta	Canada	
'000 Head							
1974.....	-	-	-	-	250.0	783.5	31.9
1975.....	-	-	-	-	226.0	702.6	32.2
1976.....	-	-	-	-	183.0	577.2	31.7
1977.....	-	-	-	-	146.5	558.6	26.2
1978.....	-	-	-	-	142.5	587.2	24.3
1979.....	-	-	-	-	153.5	648.7	23.7
1980.....	-	-	-	-	178.0	733.8	24.3
1981.....	-	-	-	-	198.0	803.2	24.7
1982.....	-	-	-	-	203.0	811.9	25.0
1983.....	-	-	-	-	202.0	802.9	25.2
1984.....	4.5	85.5	-	-	188.0	768.8	24.5
1985.....	4.1	75.9	-	-	175.0	720.3	24.3
1986.....	3.9	79.0	17.8	82.9	183.6	694.9	26.4
1987.....	4.3	89.0	21.0	88.7	203.0	731.3	27.8
1988.....	4.6	97.0	23.0	106.4	231.0	788.9	29.3
1989.....	5.0	110.0	26.0	110.0	251.0	827.5	30.3
1990.....	5.6	120.0	28.0	121.4	275.0	874.4	31.5
1991.....	6.0	135.0	32.0	126.0	299.0	917.8	32.6
1992.....	7.6	143.5	36.9	123.0	311.0	897.1	34.7
1993.....	6.0	135.2	27.6	118.2	287.0	883.0	32.5
1994.....	6.3	116.0	29.6	98.1	250.0	825.6	30.3
1995.....	5.7	124.7	31.4	102.2	264.0	857.6	30.8
1996.....	6.0	115.3	30.7	92.5	244.5	846.7	28.9
1997.....	5.8	109.5	28.7	81.7	225.7	821.5	27.5
1998.....	5.9	109.1	26.7	83.3	225.0	892.0	25.2
1999.....	6.5	111.0	30.0	92.5	240.0	979.0	24.5
2000.....	6.6	118.2	35.9	109.3	270.0	1,105.3	24.4
2001.....	7.0	128.8	30.4	120.8	287.0	1,247.7	23.0
2002.....	7.5	132.4	29.1	119.0	288.0	1,252.1	23.0
2003.....	6.7	119.0	27.8	101.5	255.0	1,247.2	20.4
2004.....	5.1	101.5	19.3	122.1	248.0	1,240.5	20.0
2005.....	5.3	103.5	19.0	111.2	239.0	1,190.5	20.1
2006.....	5.2	103.6	16.0	103.2	228.0	1,151.2	19.8
2007.....	5.0	93.4	16.1	94.5	209.0	1,109.9	18.8
2008.....	4.4	91.1	12.1	85.4	193.0	1,090.8	17.7
2009.....	4.6	88.9	12.8	82.7	189.0	1,104.4	17.1
2010.....	4.8	89.9	14.2	86.1	195.0	1,104.7	17.7
2011.....	5.0	92.6	15.1	90.3	203.0	1,138.0	17.8
2012r.....	5.2	91.6	14.9	89.3	201.0	1,131.2	17.8
2013r.....	5.2	91.4	15.3	92.1	204.0	1,115.6	18.3
2014r.....	4.9	90.2	14.2	90.7	200.0	1,073.0	18.6
2015r.....	4.8	89.4	16.0	86.8	197.0	1,053.7	18.7
2016r.....	4.8	90.1	17.0	83.1	195.0	1,052.1	18.5
2017p.....	4.6	89.8	17.3	82.3	194.0	1,049.0	18.5

Note: Sheep statistics prior to 1975 are as of June 1.

Source: Statistics Canada, Table 32-10-0129-01

Table 52: Livestock Slaughtered (1), Canada and Provinces, 2010-2017

	Canada	Western Canada			Ontario	Quebec and Atlantic Provinces
Cattle and Calves - Head						
2010.....	3,694,979	2,519,028			726,651	449,300
2011.....	3,345,786	2,211,271			705,487	429,028
2012.....	3,059,962	2,015,877			711,001	333,084
2013.....	3,015,832	2,035,537			711,012	269,283
2014.....	3,083,446	2,122,774			700,343	260,329
2015.....	2,897,779	2,013,571			643,427	240,781
2016r.....	3,039,426	2,113,779			672,629	253,018
2017p.....	3,220,447	2,260,844			700,152	259,451

	Canada	Alberta	Saskatchewan and Manitoba	British Columbia	Western Canada	Ontario	Quebec and Atlantic Provinces
Hogs - Head							
2010.....	21,123,052	2,662,056	5,356,151	499,317	8,517,524	4,432,312	8,173,216
2011.....	21,097,518	2,507,035	5,569,738	490,521	8,567,294	4,451,554	8,078,670
2012.....	21,120,505	2,406,048	5,784,752	484,602	8,675,402	4,430,997	8,014,106
2013.....	20,758,902	2,358,033	5,675,383	472,952	8,506,368	4,232,823	8,019,711
2014.....	20,335,730	2,509,468	5,345,215	493,772	8,348,455	4,021,926	7,965,349
2015.....	21,186,243	2,673,257	5,628,842	504,124	8,806,223	4,017,084	8,362,936
2016.....	21,261,873	2,619,485	5,634,536	525,668	8,779,689	4,008,961	8,473,223
2017p.....	21,593,136	2,597,475	5,742,509	516,915	8,856,899	4,058,447	8,677,790

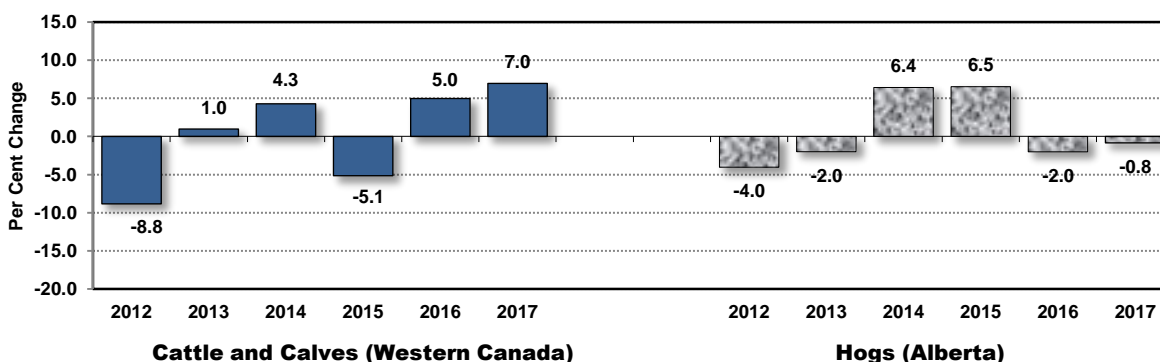
	Canada	Western* Canada	Western Canada and Ontario	Quebec and Atlantic Provinces
Sheep and Lambs - Head				
2010.....	524,796	105,248	367,450	157,346
2011.....	507,086	100,305	360,018	147,068
2012.....	518,668	106,889	369,624	149,044
2013.....	568,794	121,464	423,201	145,593
2014.....	585,572	118,747	438,055	147,517
2015.....	562,569	127,243	421,288	141,281
2016.....	552,800	-	410,571	142,229
2017p.....	543,646	-	401,307	142,339

(1) Data represent livestock slaughtered in federally and provincially inspected plants, irrespective of origin.

*Western Canada slaughter no longer available due to confidentiality.

Source: Agriculture and Agri-Food Canada

Fig. 25 Slaughter Activity in Alberta and Western Canada, Annual Per Cent Change, 2012-2017



Source: Agriculture and Agri-Food Canada

**Table 53: Livestock Slaughtered in Alberta (1) and Western Canada (2),
2008-2017**

		Total				Total Cattle			
		Steers (2)	Heifers (2)	Cows (2)	Bulls (2)	Cattle (2)	Calves (2)	& Calves (2)	Hogs (1)
		Head							
2008		1,151,303	818,712	593,555	19,315	2,582,885	3,057	2,585,942	2,701,366
2009		1,172,694	840,690	478,867	16,700	2,508,951	3,070	2,512,187	2,599,175
2010		1,163,001	898,075	424,379	29,995	2,515,450	3,199	2,518,649	2,662,056
2011		1,078,659	761,327	344,075	23,959	2,208,020	3,188	2,211,200	2,507,035
2012		1,011,800	691,643	292,787	16,391	2,012,621	3,053	2,015,506	2,406,048
2013		988,483	654,298	380,018	8,830	2,031,629	2,781	2,034,410	2,358,033
2014		1,066,752	727,136	345,788	9,991	2,149,667	2,204	2,151,871	2,509,468
2015	Jan	75,580	41,640	33,547	517	151,284	172	151,456	197,099
	Feb	65,896	57,263	31,572	552	155,283	159	155,442	213,057
	Mar	64,183	65,977	23,046	508	153,714	226	153,940	261,485
	Apr	69,885	86,693	24,896	1,011	182,485	156	182,641	198,692
	May	75,487	47,875	17,779	1,425	142,566	170	142,736	192,353
	Jun	94,833	38,241	18,677	1,358	153,109	181	153,290	256,295
	Jul	123,052	42,046	23,561	1,613	190,272	155	190,427	200,967
	Aug	102,277	40,118	19,941	1,244	163,580	159	163,739	202,972
	Sep	125,407	55,422	22,964	1,338	205,131	209	205,340	253,508
	Oct	91,985	47,768	21,209	1,252	162,214	171	162,385	207,166
	Nov	78,904	48,924	27,229	1,222	156,279	174	156,453	207,112
	Dec	76,470	53,884	33,797	938	165,089	277	165,366	282,551
	Annual (3)	1,043,959	625,851	298,218	12,978	1,981,006	2,209	1,983,215	2,673,257
2016	Jan	69,464	47,542	33,259	1,021	151,286	126	151,412	210,556
	Feb	61,960	41,134	33,211	1,258	137,563	153	137,716	208,149
	Mar	77,294	68,578	34,040	1,555	181,467	200	181,667	255,671
	Apr	61,794	64,504	24,368	1,178	151,844	154	151,998	205,414
	May	83,446	51,297	19,156	1,209	155,108	157	155,265	194,945
	Jun	124,883	51,484	25,453	1,374	203,194	213	203,407	241,738
	Jul	116,230	39,588	20,638	997	177,453	170	177,623	205,479
	Aug	141,935	58,580	24,846	1,599	226,960	159	227,119	199,350
	Sep	118,011	54,683	19,382	1,440	193,516	194	193,710	251,290
	Oct	95,986	55,810	23,050	1,341	176,187	177	176,364	201,853
	Nov	83,676	80,631	48,893	1,891	215,091	311	215,402	208,366
	Dec	58,690	49,214	31,880	1,403	141,187	190	141,377	236,674
	Annual (3)	1,093,393	663,049	338,178	16,266	2,110,886	2,204	2,113,090	2,619,485
2017p	Jan	60,482	47,610	34,481	1,122	143,695	474	144,169	202,599
	Feb	69,679	43,418	34,652	1,374	149,123	228	149,351	203,714
	Mar	85,407	79,546	36,034	1,768	202,755	182	202,937	251,336
	Apr	63,179	68,526	26,300	1,829	159,834	125	159,959	192,339
	May	111,959	75,222	27,141	2,072	216,394	167	216,561	192,925
	Jun	114,365	47,926	23,373	1,727	187,391	201	187,592	241,549
	Jul	123,362	47,870	22,573	1,630	195,435	256	195,691	205,685
	Aug	134,947	70,254	27,834	1,991	235,026	131	235,157	194,955
	Sep	112,215	52,107	22,009	1,697	188,028	144	188,172	242,639
	Oct	88,312	68,265	25,828	2,222	184,627	95	184,722	200,953
	Nov	93,568	90,350	43,718	2,559	230,195	120	230,315	216,334
	Dec	61,296	64,518	37,989	1,562	165,365	158	165,523	252,447
	Annual (3)	1,118,771	755,612	361,932	21,553	2,257,868	2,281	2,260,149	2,597,475

(1) Data represents hogs slaughtered in federally and provincially inspected plants in Alberta, irrespective of origin.

(2) Data represents cattle and calves slaughtered in federally and provincially inspected plants in Western Canada, irrespective of origin.

(3) Cattle by class type: monthly data do not add up to totals as revisions are unavailable.

Source: "Red Meat Market Information", Agriculture and Agri-Food Canada; and Canadian Beef Grading Agency

Fig. 26 Number of Cattle Slaughtered (Excluding Calves), Western Canada as a Per Cent of Canada, 2010-2017

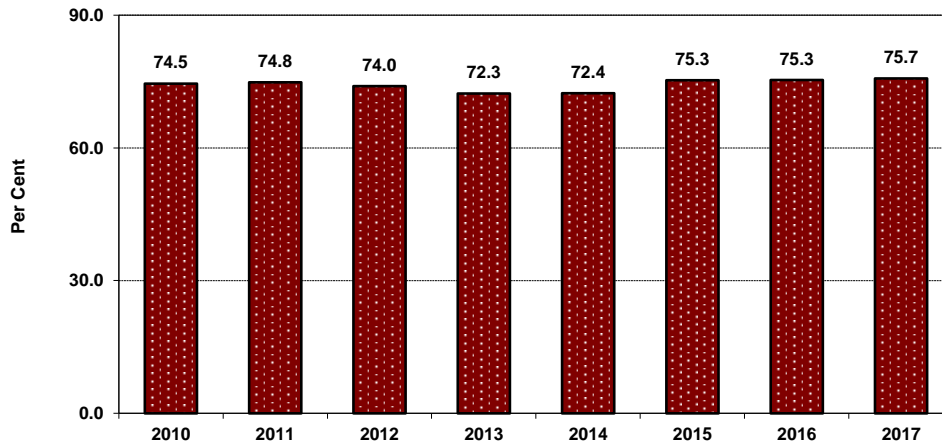
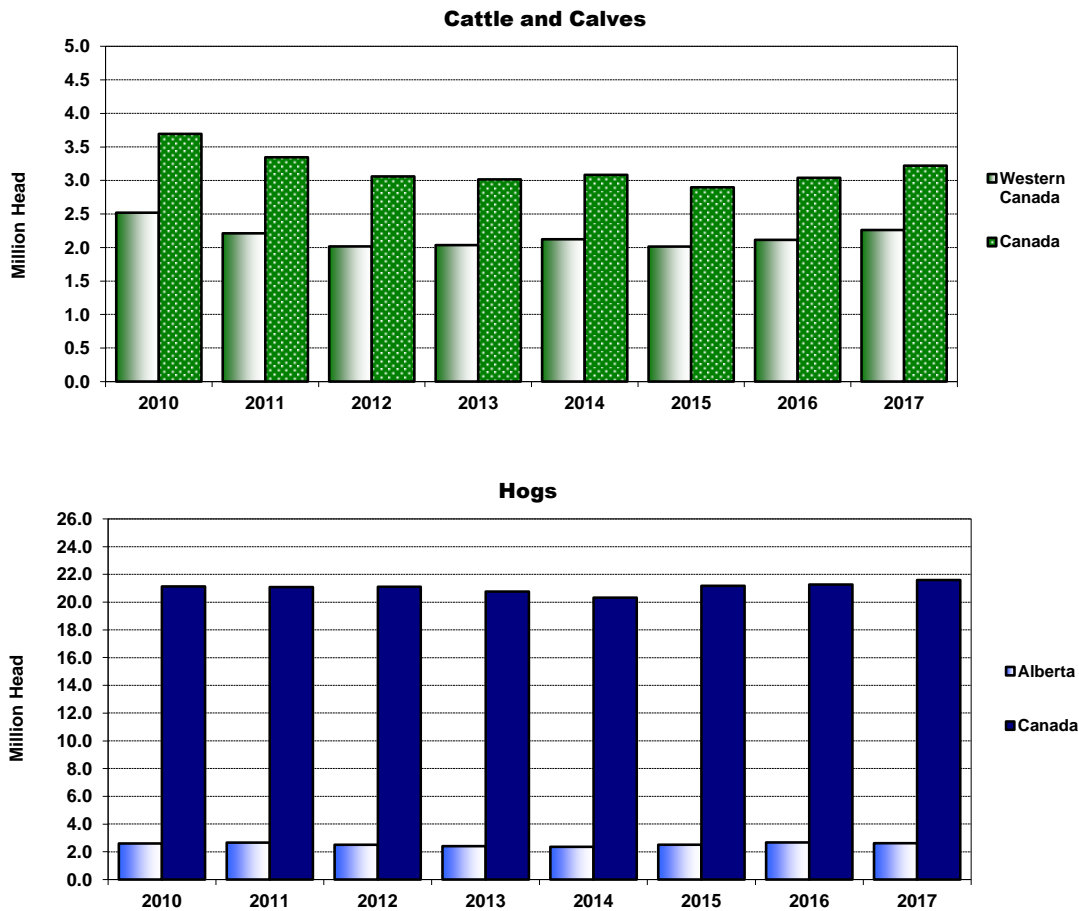


Fig. 27 Cattle and Calves and Hogs Slaughtered in Alberta, Western Canada and Canada, 2010-2017



Note: Data represents livestock slaughtered in federally and provincially inspected plants in Western Canada and Alberta, irrespective of origin.

Source: "Red Meat Market Information", Agriculture and Agri-Food Canada; and Canadian Beef Grading Agency

Table 54: Summary of Alberta Slaughter Hog Marketings (1), 2008-2017

	Head		Head
2008.....	3,033,482	2013.....	2,304,581
2009.....	2,589,814	2014.....	2,149,507
2010.....	2,456,888	2015.....	2,273,733
2011.....	2,382,741	2016.....	2,231,766
2012.....	2,414,551	2017p.....	2,210,139

(1) Data represents slaughter in federally and provincially inspected plants by province of origin.

Source: "Red Meat Market Information", Agriculture and Agri-Food Canada

Table 55: Alberta Supply and Disposition Livestock Balance Sheet, 2015-2017

July 1 to June 30	Cattle and Calves			Pigs			Sheep and Lambs		
	2015r	2016r	2017p	2015r	2016r	2017p	2015r	2016r	2017p
	'000 Head								
Beginning Inventory at									
July 1 (previous year).....	5,425.0	5,235.0	5,205.0	1,370.0	1,395.0	1,465.0	200.0	197.0	195.0
Births (1).....	1,465.5	1,504.3	1,600.8	2,988.8	3,141.8	3,141.5	133.0	139.2	135.1
Interprovincial Imports (2).....	762.8	800.1	798.6	43.6	42.4	31.6	14.1	16.1	12.8
International Imports.....	0.7	0.7	15.7	-	0.1	-	3.3	0.6	0.0
Total Supply	7,654.0	7,540.1	7,620.1	4,402.4	4,579.3	4,638.1	350.4	352.9	342.9
Interprovincial Exports (2).....	169.5	154.0	124.0	20.0	20.0	20.0	12.5	8.8	9.8
International Exports.....	299.9	236.3	292.8	639.7	654.9	759.8	-	-	-
Total Slaughter (3).....	1,763.8	1,759.0	1,882.5	2,202.5	2,289.1	2,235.9	119.7	127.7	118.2
Deaths (4).....	185.8	185.8	185.8	145.2	150.3	152.4	21.2	21.4	20.9
Total Disposition	2,419.0	2,335.1	2,485.1	3,007.4	3,114.3	3,168.1	153.4	157.9	148.9
Ending Inventory at									
June 30 (current year)	5,235.0	5,205.0	5,135.0	1,395.0	1,465.0	1,470.0	197.0	195.0	194.0

(1) Birth estimates for pigs have been adjusted for peri-natal mortality.

(2) Interprovincial imports and exports of feeder animals only. This number reflects net interprovincial movements in the case of sheep and lambs.

(3) Animals slaughtered in federally and provincially inspected plants (adjusted for interprovincial movements) and farm slaughter.

(4) Deaths include on-farm mortality and condemnations at slaughter.

Source: Statistics Canada, Tables 32-10-0139-01, 32-10-0141-01 and 32-10-0147-01

Table 56: Estimated Beef and Pork Production in Alberta, Western Canada (1) and Canada, 2000-2017

	Beef		Pork	
	Western Canada (1)	Canada	Alberta	Canada
	tonnes (Total cold dressed weight)			
2000.....	888,738	1,188,256	178,932	1,631,074
2001.....	912,361	1,191,079	191,916	1,725,536
2002.....	933,984	1,235,052	222,597	1,850,519
2003.....	819,994	1,118,051	240,320	1,876,549
2004.....	1,046,887	1,416,876	262,390	1,934,434
2005.....	1,018,385	1,395,764	273,480	1,912,959
2006.....	895,627	1,259,855	290,244	1,891,561
2007.....	896,042	1,234,519	266,445	1,889,190
2008.....	930,810	1,245,204	244,212	1,939,155
2009.....	885,644	1,185,691	232,704	1,939,450
2010.....	912,010	1,227,452	236,785	1,921,881
2011.....	787,040	1,090,404	227,130	1,960,487
2012.....	731,565	1,009,518	219,848	1,989,256
2013.....	741,086	1,007,231	211,115	1,965,266
2014.....	771,461	1,040,173	221,995	1,947,206
2015.....	758,351	1,013,546	242,189	2,048,879
2016.....	815,180	1,090,234	242,145	2,064,896
2017p.....	856,526	1,141,669	240,111	2,111,738

(1) Beef production in Western Canada; Alberta data unavailable.

Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

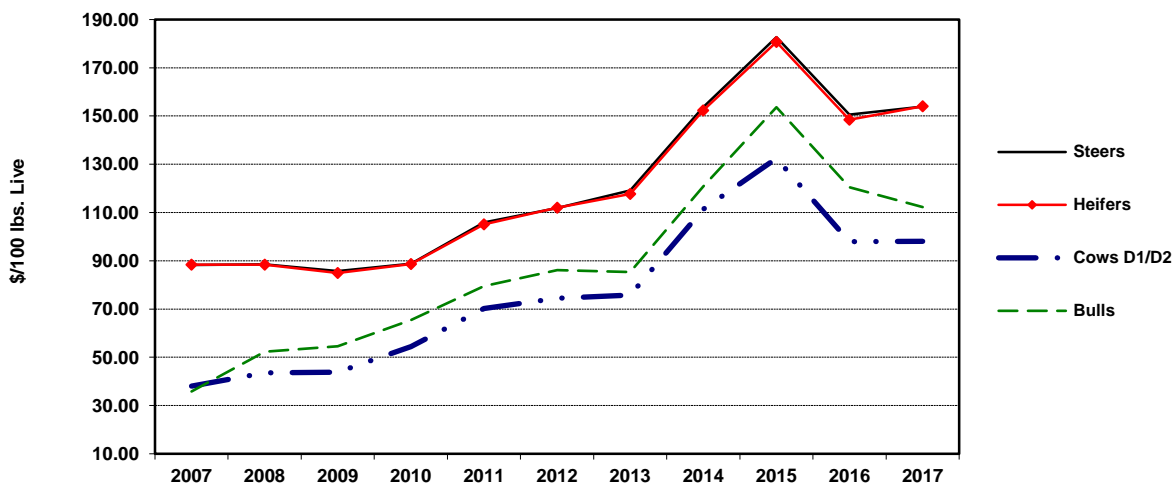
Table 57: Alberta Slaughter Cattle Prices, 2007-2017

	Slaughter Steers (1)	Slaughter Heifers (1)	Cows D1/D2	Cows D3	Feeder Cows	Bulls
	\$/100 lbs. Live					
2007.....	88.32	88.34	38.06	31.14	39.37	35.85
2008.....	88.57	88.44	43.56	36.73	45.5	52.33
2009.....	85.75	84.97	43.86	38.33	45.85	54.58
2010.....	88.73	88.64	54.49	48.64	57.03	65.47
2011.....	105.83	105.04	70.21	62.04	75.62	79.45
2012.....	111.91	111.99	74.46	66.45	78.91	86.12
2013.....	119.19	117.66	75.84	67.81	76.60	85.28
2014.....	153.67	152.35	111.38	99.03	113.84	120.76
2015.....	182.71	180.75	132.45	118.03	139.69	153.63
2016.....	150.57	148.50	97.95	87.10	103.97	120.54
2017 Jan.....	159.46	158.70	97.25	86.39	103.94	104.48
Feb.....	157.82	157.13	94.79	83.50	96.68	105.95
Mar.....	167.82	167.40	101.26	89.98	107.48	119.26
Apr.....	173.91	171.55	106.49	94.94	114.01	124.35
May.....	178.25	175.08	110.49	98.93	119.96	128.23
Jun.....	159.66	158.93	110.92	97.44	116.57	128.68
Jul.....	143.46	141.87	104.65	92.70	114.50	122.81
Aug.....	140.64	139.67	98.28	88.13	106.19	115.59
Sep.....	133.39	132.22	87.62	78.83	100.33	103.57
Oct.....	137.23	137.43	88.90	79.11	98.22	100.99
Nov.....	148.97	148.11	86.63	77.36	99.33	96.79
Dec.....	158.51	156.80	88.90	78.39	102.38	96.55
Annual.....	153.89	154.09	98.02	87.14	106.63	112.27

(1) Weighted average of weekly prices.

Source: Canfax

Fig. 28 Alberta Slaughter Cattle Prices, 2007-2017



Source: Canfax

Table 58: Average Feeder Cattle Prices (1), Northern Alberta, 2005-2017

	Feeder Steers				Feeder Heifers			
	800 to +900 lbs.	700 to 900 lbs.	600 to 800 lbs.	500 to 700 lbs.	700 to +800 lbs.	600 to 800 lbs.	500 to 700 lbs.	400 to 600 lbs.
	\$/100 lbs. Live				\$/100 lbs. Live			
2005.....	98.87	104.78	110.75	117.73	97.44	101.23	105.70	110.99
2006.....	100.24	106.36	113.04	121.11	100.42	105.34	110.94	117.76
2007.....	92.88	97.26	102.34	108.64	90.09	93.32	97.04	101.64
2008.....	88.95	92.24	96.06	100.47	84.93	86.32	88.58	91.32
2009.....	91.74	96.34	101.75	107.48	88.90	92.23	95.11	98.25
2010.....	96.31	102.09	107.87	115.02	94.57	98.29	102.83	108.07
2011.....	116.43	123.68	131.17	140.62	115.31	120.70	127.41	135.40
2012.....	127.61	134.95	144.03	154.00	125.77	131.81	139.34	148.31
2013.....	127.49	133.63	140.36	148.19	122.97	126.96	131.71	137.82
2014.....	187.40	200.28	212.23	228.69	184.76	195.72	206.95	219.67
2015.....	230.24	243.48	260.72	283.35	228.95	240.82	257.96	277.02
2016 Jan.....	214.50	220.45	230.94	245.57	203.04	209.19	220.10	234.96
Feb.....	195.90	204.76	218.77	245.14	190.09	200.71	215.17	233.80
Mar.....	182.93	192.58	208.45	230.38	179.80	191.20	206.12	224.12
Apr.....	165.28	178.86	197.54	218.61	164.50	174.02	186.69	201.99
May.....	161.88	175.94	193.19	211.08	159.42	171.29	178.85	189.92
Jun.....	161.25	175.67	185.25	195.00	157.83	171.50	180.81	186.81
Jul.....	164.63	172.50	189.00	199.50	157.81	169.25	176.92	185.67
Aug.....	170.00	178.46	187.50	198.20	165.45	170.06	176.00	184.67
Sep.....	164.13	171.21	178.63	182.15	159.60	162.91	166.00	170.96
Oct.....	155.43	160.58	166.44	171.07	150.35	145.69	148.38	152.17
Nov.....	162.49	167.68	171.76	177.56	152.77	153.10	156.13	159.92
Dec.....	163.89	168.52	173.91	183.02	157.94	160.00	164.13	169.35
Annual.....	171.86	180.60	191.78	204.77	166.55	173.24	181.28	191.20
2017 Jan.....	168.14	174.14	177.27	188.52	155.94	159.06	165.21	174.04
Feb.....	158.38	162.23	169.22	185.83	149.17	154.93	161.93	172.48
Mar.....	159.04	165.07	176.50	195.33	153.13	159.94	169.58	181.19
Apr.....	165.88	174.75	189.95	209.89	160.53	171.25	181.47	190.35
May.....	187.57	198.94	218.86	237.05	185.05	196.50	209.17	219.50
Jun.....	182.50	200.17	221.63	236.19	182.25	198.50	208.58	223.56
Jul.....	172.75	-	-	-	-	-	-	-
Aug.....	170.31	185.00	200.25	202.75	167.63	176.00	181.58	185.42
Sep.....	180.28	191.56	205.58	209.92	175.35	179.35	181.35	186.06
Oct.....	189.14	199.94	211.26	220.31	182.07	188.58	192.77	199.95
Nov.....	191.33	201.41	210.11	218.70	185.92	190.98	196.53	204.03
Dec.....	187.22	193.24	201.33	211.03	180.21	183.51	190.67	198.67
Annual.....	176.05	186.04	198.36	210.50	170.66	178.05	185.35	194.11

(1) Simple average prices.

Source: Canfax

Table 59: Average Feeder Cattle Prices (1), Southern Alberta, 2005-2017

	Feeder Steers				Feeder Heifers			
	+900 lbs.	800 to 900 lbs.	700 to 800 lbs.	600 to 700 lbs.	+800 lbs.	700 to 800 lbs.	600 to 700 lbs.	500 to 600 lbs.
	\$/100 lbs. Live				\$/100 lbs. Live			
2005.....	98.83	105.22	110.94	118.13	99.43	102.96	107.77	113.23
2006.....	100.79	107.16	113.68	121.59	101.14	106.00	111.76	118.29
2007.....	93.09	98.17	103.61	109.85	91.81	94.60	98.40	102.92
2008.....	89.20	92.35	96.31	100.89	86.21	87.83	89.72	92.39
2009.....	92.10	96.86	102.35	108.49	90.39	93.49	96.91	99.43
2010.....	96.36	102.67	108.31	115.25	95.90	99.06	103.81	108.00
2011.....	116.50	123.74	131.17	140.51	115.81	121.38	128.01	135.69
2012.....	128.17	135.74	143.47	155.27	125.93	132.73	140.55	149.28
2013.....	128.51	133.60	140.09	147.91	123.27	127.23	131.41	137.37
2014.....	186.96	198.73	211.68	227.28	182.16	195.03	206.24	221.16
2015.....	233.18	243.79	258.76	280.85	229.63	239.56	257.20	279.50
2016 Jan.....	215.75	222.67	227.75	241.33	-	209.17	220.25	237.13
Feb.....	192.50	213.67	220.44	242.24	192.88	200.31	215.19	230.81
Mar.....	186.31	194.39	210.90	234.65	182.20	188.78	207.25	225.32
Apr.....	166.75	178.63	196.08	218.92	162.27	174.82	185.30	195.74
May.....	156.63	176.63	189.22	207.00	156.63	169.33	180.38	190.88
Jun.....	162.65	174.17	195.50	212.42	157.44	171.33	182.00	188.00
Jul.....	166.71	171.33	190.75	200.00	159.44	171.00	172.75	183.00
Aug.....	173.54	180.17	186.10	194.50	165.83	172.08	173.25	174.00
Sep.....	160.25	167.75	179.00	184.00	160.56	165.74	166.57	169.13
Oct.....	156.25	157.63	163.43	170.90	146.58	147.18	149.45	151.65
Nov.....	162.83	164.05	170.91	177.34	152.07	152.05	156.00	160.60
Dec.....	163.38	168.25	172.25	181.67	156.72	156.50	160.00	167.21
Annual.....	171.96	180.78	191.86	205.41	162.97	173.19	180.70	189.46
2017 Jan.....	165.25	172.50	175.25	191.63	158.46	159.92	167.79	171.50
Feb.....	159.21	162.18	168.83	184.69	150.00	155.20	161.79	173.13
Mar.....	159.88	166.15	177.69	192.65	152.84	162.08	171.35	180.81
Apr.....	165.00	174.44	190.17	209.16	161.38	170.88	180.81	191.38
May.....	186.15	201.90	217.75	236.30	181.30	194.33	207.70	220.38
Jun.....	183.50	198.75	-	-	177.83	189.88	207.67	-
Jul.....	171.66	184.17	199.88	205.67	165.33	177.67	190.17	196.00
Aug.....	176.65	184.55	192.58	198.75	167.77	172.88	-	178.75
Sep.....	180.92	190.50	199.75	208.08	174.57	177.72	183.67	187.81
Oct.....	191.50	199.32	212.64	220.27	182.84	188.57	194.80	201.02
Nov.....	196.73	203.33	212.20	219.15	186.00	188.32	196.03	203.28
Dec.....	181.50	190.00	-	212.00	182.00	-	186.00	204.00
Annual.....	176.50	185.65	194.67	207.12	170.03	176.13	186.16	191.64

(1) Simple average prices.

Source: Canfax

Table 60: Average Calf Prices (1), Northern Alberta, 2005-2017

	Feeder Steer Calves			Feeder Heifer Calves	
	500 to 600 lbs.	400 to 500 lbs.	Under 400 lbs.	400 to 500 lbs.	300 to 400 lbs.
	\$/100 lbs. Live			\$/100 lbs. Live	
2005.....	124.28	130.53	133.57	116.11	119.07
2006.....	130.77	139.49	144.30	124.75	129.71
2007.....	115.31	121.02	123.93	106.37	109.80
2008.....	105.26	108.88	110.58	94.40	95.14
2009.....	113.08	118.00	120.12	102.41	104.70
2010.....	122.10	129.45	133.45	113.23	115.86
2011.....	152.03	164.34	172.52	144.62	151.52
2012.....	167.62	180.06	189.61	159.13	167.11
2013.....	157.62	167.06	176.38	144.56	150.86
2014.....	244.28	263.00	279.29	235.60	248.92
2015.....	305.10	333.01	362.64	299.48	319.74
2016 Jan.....	271.50	301.92	318.44	254.46	275.23
Feb.....	268.85	294.80	312.04	250.19	263.50
Mar.....	254.31	273.53	287.80	237.33	243.32
Apr.....	230.80	242.70	258.58	214.33	225.08
May.....	221.42	227.50	225.50	194.44	195.75
Jun.....	205.67	221.75	217.25	196.25	197.00
Jul.....	210.19	216.67	213.88	189.33	190.00
Aug.....	200.88	208.55	213.00	187.28	201.00
Sep.....	188.45	195.94	206.59	180.38	189.68
Oct.....	175.72	187.63	205.24	162.24	172.70
Nov.....	186.14	200.20	218.27	170.05	179.51
Dec.....	196.60	217.31	235.08	185.90	195.54
Annual.....	217.54	232.38	242.64	201.85	210.69
2017 Jan.....	203.59	225.33	232.54	188.49	197.54
Feb.....	203.28	221.29	230.44	182.98	189.31
Mar.....	211.57	225.99	227.01	192.89	195.90
Apr.....	218.83	231.41	231.51	202.94	206.06
May.....	246.85	254.13	249.13	229.80	230.31
Jun.....	242.00	258.31	261.83	233.38	237.50
Jul.....	-	-	-	-	-
Aug.....	213.25	222.25	224.50	191.00	203.17
Sep.....	212.91	223.78	239.50	196.97	209.43
Oct.....	228.55	247.09	277.56	213.83	235.86
Nov.....	229.87	255.13	287.25	216.53	235.32
Dec.....	227.76	252.29	279.60	210.04	230.48
Annual.....	221.68	237.91	249.17	205.35	215.53

(1) Simple average prices.

Source: Canfax

Table 61: Average Calf Prices (1), Southern Alberta, 2005-2017

	Feeder Steer Calves			Feeder Heifer Calves		
	500 to 600 lbs.	400 to 500 lbs.	Under 400 lbs.	400 to 500 lbs.	300 to 400 lbs.	
	\$/100 lbs. Live			\$/100 lbs. Live		
2005.....	124.47	130.16	134.30	118.90	121.74	
2006.....	129.82	136.81	143.28	124.66	129.80	
2007.....	116.74	120.23	123.23	107.12	111.47	
2008.....	105.03	108.17	109.77	95.12	96.50	
2009.....	113.65	118.08	120.98	103.37	105.34	
2010.....	121.42	129.93	133.88	114.58	117.54	
2011.....	150.56	163.23	174.29	144.07	152.39	
2012.....	168.68	182.13	193.02	161.66	172.41	
2013.....	156.71	167.99	176.87	143.59	147.26	
2014.....	243.86	261.66	286.66	233.18	248.55	
2015.....	306.63	328.94	356.24	300.80	315.42	
2016	Jan.....	274.00	301.50	320.00	254.25	279.00
	Feb.....	269.25	280.00	306.50	254.50	268.75
	Mar.....	250.70	280.75	241.00	242.58	237.00
	Apr.....	227.32	224.89	267.50	-	-
	May.....	220.44	217.33	216.13	196.83	-
	Jun.....	212.25	219.00	216.50	190.50	188.75
	Jul.....	205.75	213.50	198.50	-	-
	Aug.....	196.00	202.00	209.50	193.50	-
	Sep.....	190.38	-	205.34	179.13	189.25
	Oct.....	177.15	189.07	200.69	163.45	173.83
	Nov.....	185.69	201.45	211.01	170.59	177.05
	Dec.....	196.17	210.50	230.25	185.06	193.50
	Annual.....	217.09	230.91	235.24	203.04	213.39
2017	Jan.....	202.33	215.78	223.75	186.50	188.00
	Feb.....	203.69	217.75	222.56	186.23	186.39
	Mar.....	210.75	219.63	232.50	187.50	198.02
	Apr.....	224.50	227.75	234.00	195.83	204.19
	May.....	243.75	251.88	-	224.94	228.00
	Jun.....	243.50	250.33	-	-	-
	Jul.....	219.33	-	-	-	-
	Aug.....	-	214.19	225.83	189.00	-
	Sep.....	208.75	228.11	241.67	196.31	212.75
	Oct.....	229.23	246.65	275.69	215.91	233.77
	Nov.....	230.22	251.53	280.85	215.14	232.92
	Dec.....	226.63	246.00	279.11	213.78	228.33
	Annual.....	222.06	233.60	246.22	201.11	212.49

(1) Simple average prices.

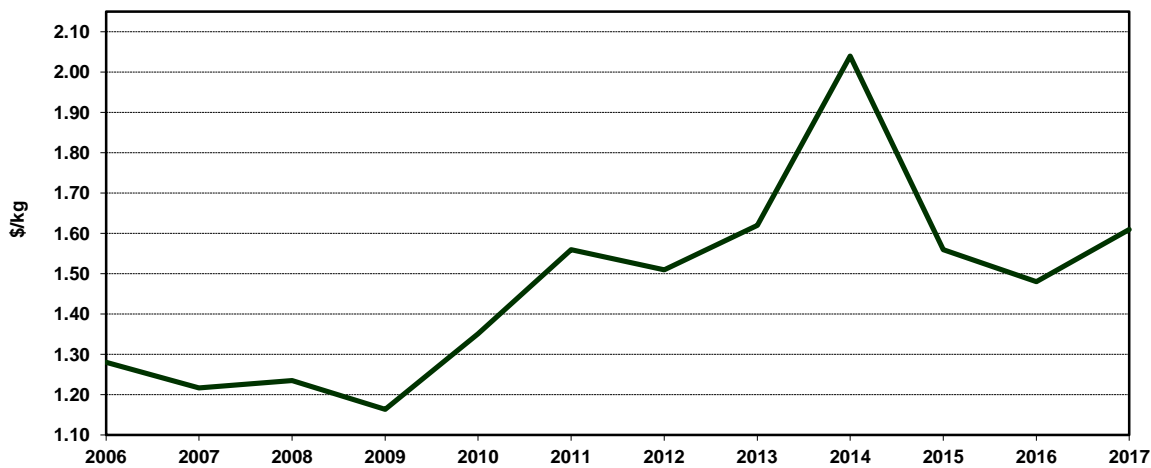
Source: Canfax

Table 62: Alberta Average Slaughter Hog Prices (Index 100), 2006-2017

	Annual Average Price			Monthly Average Price		% Chg. '17/'16
	Price	% Chg.		Price		
	\$/kg	%		2016	2017	
				\$/kg	%	
2006.....	1.28	-12.4	Jan.....	1.39	1.44	3.6
2007.....	1.22	-4.9	Feb.....	1.58	1.68	6.3
2008.....	1.24	1.5	Mar.....	1.53	1.65	7.8
2009.....	1.16	-5.8	Apr.....	1.51	1.47	-2.6
2010.....	1.35	16.1	May.....	1.73	1.70	-1.7
2011.....	1.56	15.5	Jun.....	1.84	1.97	7.1
2012.....	1.51	-3.2	Jul.....	1.78	2.02	13.5
2013.....	1.62	7.3	Aug.....	1.52	1.78	17.1
2014.....	2.04	25.9	Sep.....	1.35	1.33	-1.5
2015.....	1.56	-23.5	Oct.....	1.16	1.34	15.5
2016.....	1.48	-5.1	Nov.....	1.08	1.46	35.2
2017.....	1.61	8.8	Dec.....	1.28	1.40	9.4

Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 29 Alberta Average Slaughter Hog Prices (Index 100), 2006-2017



Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 63: Central Alberta Average Market Lamb Prices (95-115 lbs.) (1), 2006-2017

	Annual Average Price	Monthly Average Price	
		2016	2017
	\$/100 lbs.	\$/100 lbs.	
2006.....	123.37	Jan.....	168.18 188.26
2007.....	116.86	Feb.....	160.54 188.95
2008.....	119.23	Mar.....	169.86 191.87
2009.....	124.62	Apr.....	169.48 189.84
2010.....	135.23	May.....	171.76 202.20
2011.....	172.42	Jun.....	193.90 205.02
2012.....	139.36	Jul.....	200.83 198.98
2013.....	107.05	Aug.....	195.36 207.35
2014.....	148.43	Sep.....	206.26 201.40
2015.....	191.15	Oct.....	197.44 199.90
2016.....	185.15	Nov.....	193.32 193.87
2017.....	196.88	Dec.....	191.90 192.94

Note: Plant price converted to live weight equivalent.
 (1) Simple average prices.

Source: Alberta Agriculture and Forestry, Statistics and Data Development Section

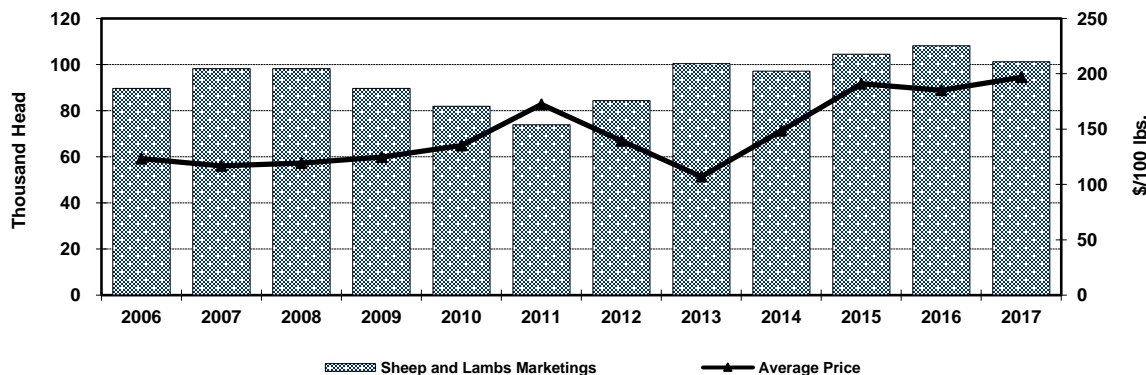
Table 64: Alberta Sheep and Lamb Marketings (1), 2006-2017

	Total Sheep and Lambs	Total Sheep and Lambs	
	Head	Head	
2006.....	89,700	2012.....	84,400
2007.....	98,200	2013.....	100,400
2008.....	98,200	2014r.....	97,100
2009.....	89,700	2015.....	104,500
2010.....	81,900	2016r.....	108,200
2011.....	73,900	2017p.....	101,200

(1) Estimate from Alberta's sheep and lamb balance sheets. These data represent sheep and lambs of Alberta origin slaughtered in Alberta and Canadian provinces.

Source: Statistics Canada

Fig. 30 Alberta Sheep and Lamb Marketings and Average Market Lamb Price, 2006-2017



Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 65: Alberta Brand Inspection Record of Live Cattle and Calf Shipments Out-of-Province (1), 2016 and 2017

	B.C.		Saskatchewan		Manitoba		Ontario		Quebec	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
Head										
Feeders.....	4,400	5,457	46,936	51,054	6,350	6,633	56,264	46,071	3,037	2,205
Bulls.....	123	122	3,689	5,186	34	16	99	191	21	0
Cows.....	701	969	4,318	4,766	39	18	70	35	170	0
Heifers.....	1,282	1,017	12,092	14,815	2,309	772	5,775	3,812	287	254
Steers.....	417	492	15,796	14,205	2,396	3,923	21,642	17,118	1,468	732
Calves.....	697	1,105	3,740	8,324	1,166	1,553	18,623	16,596	813	682
Yearlings.....	1,180	1,752	7,301	3,758	406	351	10,055	8,319	278	537
Slaughter.....	5,991	4,957	15,500	8,667	1,148	597	304	641	103	602
Bulls.....	376	276	7,098	5,356	690	432	0	0	7	0
Cows.....	4,953	4,100	8,143	2,919	457	162	0	0	89	0
Heifers.....	175	216	123	207	1	0	0	0	7	0
Steers.....	360	302	133	182	0	3	89	140	0	0
Calves.....	0	0	0	0	0	0	0	8	0	602
Yearlings.....	127	63	3	3	0	0	215	493	0	0
Replacement.....	1,967	3,472	14,835	14,982	1,141	664	470	293	725	219
Bulls.....	448	570	1,083	1,205	59	53	29	31	32	4
Cows.....	618	1,732	6,242	7,536	506	271	165	83	662	4
Heifers.....	739	799	6,154	3,813	264	292	210	160	31	211
Calves.....	162	371	1,356	2,428	312	48	66	19	0	0
All Classes.....	12,358	13,886	77,271	74,703	8,639	7,894	57,038	47,005	3,865	3,026
Head										
Head										
	Maritimes		United States		Other		Total			
	2016	2017	2016	2017	2016	2017	2016	2017		
Feeders.....	0	1	20,596	18,449	15	106	137,598	129,976		
Bulls.....	0	0	9	0	0	0	3,975	5,515		
Cows.....	0	0	0	2	0	0	5,298	5,790		
Heifers.....	0	0	10,831	9,484	0	65	32,576	30,219		
Steers.....	0	0	4,141	2,263	0	41	45,860	38,774		
Calves.....	0	0	1,612	984	0	0	26,651	29,244		
Yearlings.....	0	1	4,003	5,716	15	0	23,238	20,434		
Slaughter.....	0	0	255,591	288,523	3	0	278,640	303,987		
Bulls.....	0	0	0	1	3	0	8,174	6,065		
Cows.....	0	0	0	0	0	0	13,642	7,181		
Heifers.....	0	0	95,266	118,663	0	0	95,572	119,086		
Steers.....	0	0	135,714	156,753	0	0	136,296	157,380		
Calves.....	0	0	0	0	0	0	0	610		
Yearlings.....	0	0	24,611	13,106	0	0	24,956	13,665		
Replacement.....	62	5	554	531	66	121	19,820	20,287		
Bulls.....	4	3	200	242	13	23	1,868	2,131		
Cows.....	36	1	102	72	0	45	8,331	9,744		
Heifers.....	3	1	143	131	45	34	7,589	5,441		
Calves.....	19	0	109	86	8	19	2,032	2,971		
All Classes.....	62	6	276,741	307,503	84	227	436,058	454,250		

(1) Shipments exclude unclassified animals.

Source: Livestock Identification Services Ltd.

Table 66: Registrations and Sales of Registered Horses in Alberta, 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017p
Registration by Breed Association - Head										
Arabian.....	229	221	202	128	187	212	157	-	369	182
Appaloosa.....	85	52	45	108	63	86	45	48	17	40
Morgan.....	161	158	122	104	82	89	86	64	57	73
Paint.....	862	783	605	538	458	564	499	469	404	372
Quarter Horse.....	5,856	4,915	4,237	3,944	3,441	3,366	3,538	3,102	2,848	2,842
Standardbred.....	322	288	203	197	137	147	168	192	-	145
Thoroughbred.....	484	411	353	257	260	252	206	233	266	218
Draft.....	232	152	200	166	177	173	163	129	173	160
Other	539	394	373	298	241	324	384	261	248	81
Warmblood (2).....	268	219	210	89	205	181	100	175	168	99
Total (3).....	9,933	8,518	6,550	5,829	5,251	5,394	5,346	4,673	4,550	4,212
Ownership Transfers - Head										
Arabian (1).....	232	350	216	175	218	185	197	-	-	127
Appaloosa.....	91	77	77	73	53	50	46	29	34	-
Morgan.....	200	207	154	135	168	143	85	96	113	101
Paint.....	-	-	-	-	-	-	-	-	-	-
Quarter Horse.....	5,517	4,642	4,642	3,892	3,772	3,450	3,468	3,577	3,304	3,002
Standardbred.....	-	-	-	-	-	-	-	-	-	-
Thoroughbred.....	-	-	-	-	-	-	-	-	-	-
Draft.....	226	167	180	183	219	244	142	101	192	150
Other	514	452	453	398	433	462	338	427	543	172
Warmblood (2).....	302	296	248	118	324	294	182	290	270	187
Total (3).....	7,449	7,452	7,278	4,974	5,187	4,828	4,458	4,520	4,456	3,739

(1) Part breed transfers are not recorded (except when made at time of registration).

(2) Warmblood figures included in "Other" up to 2007.

(3) Transfer totals do not include Standardbreds, Thoroughbreds and Paints.

Source: Alberta Agriculture and Forestry, Food Safety and Technology Division, Animal Health and Assurance Branch, Livestock Traceability Section; and Breed Registries

Table 67: Alberta Horse Meat Exports by Destination (1), 2008-2017

	2008	2009	2010	2011	2012	2013	2014r	2015r	2016r	2017p
tonnes										
Japan.....	3,164	3,056	2,189	2,387	2,660	2,678	2,773	3,288	3,308	2,103
France.....	3,760	3,869	2,681	2,363	2,352	1,727	2,024	1,969	1,696	1,062
Switzerland.....	1,039	1,331	1,197	1,103	917	1,117	1,172	1,487	801	610
Belgium.....	105	666	1,846	1,279	1,141	586	401	148	102	47
Vietnam.....	-	6	-	8	-	24	52	24	102	-
Other Countries.....	1,924	1,586	797	286	1,741	2,179	2,230	2	64	-
Total.....	9,991	10,514	8,709	7,426	8,811	8,312	8,652	6,919	6,072	3,822
Value - \$'000										
Japan.....	16,926	18,571	14,735	13,992	17,058	17,919	20,350	24,556	26,868	20,676
France.....	19,937	22,407	14,904	13,026	12,008	9,067	13,495	13,292	12,817	8,586
Switzerland.....	11,155	12,944	11,224	10,909	9,157	11,585	12,180	12,628	10,298	8,443
Belgium.....	321	2,296	6,121	3,116	2,996	1,660	1,563	307	576	588
Vietnam.....	-	52	-	24	-	41	152	76	305	-
Other Countries.....	4,347	4,028	2,177	840	4,717	5,843	6,085	31	184	-
Total.....	52,685	60,299	49,160	41,908	45,935	46,115	53,825	50,891	51,049	38,293

(1) Refers to fresh or chilled and frozen horse meat and may include some meat of asses and mules.

Source: Statistics Canada; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 68: Alberta Game Farming Industry, 2008-2017

	Licenced Game Farms	Farms With Elk	Elk on Farms	Farms With Deer	Whitetail Deer on Farms	Mule Deer on Farms	Reindeer on Farms
Number							
2008.....	406	312	22,992	77	4,584	99	139
2009.....	355	290	19,983	65	3,434	92	84
2010.....	335	265	16,543	52	2,630	50	85
2011.....	292	235	15,772	40	2,145	39	60
2012.....	239	212	13,327	34	1,540	19	47
2013.....	212	192	12,872	25	1,344	16	49
2014.....	196	171	13,008	25	988	1	26
2015.....	188	168	12,007	20	928	0	30
2016.....	195	159	12,164	22	1,026	0	24
2017p.....	191	151	12,008	19	1,359	0	15

Source: Alberta Agriculture and Forestry, Animal Health and Assurance Branch, Inspection and Investigation Section

Table 69: Alberta Dairy Industry, 2012-2017

	2012	2013	2014	2015	2016	2017p
Number of Milk Producers.....	586	574	556	540	529	520
Milk Production ('000 litres).....	679,935	653,530	668,400	701,242	732,337	768,059
Average Daily Shipment Per Milk Producer (litres).....	3,177	3,122	3,293	3,555	3,791	4,047
	2012	2013	2014	2015r	2016r	2017p
\$'000						
Farm Cash Receipts - Dairy Products.....	520,665	514,937	530,455	544,106	561,055	587,782
Manufacturing Sales of Dairy Products						
Total Dairy Products	x	893,347	753,297	734,886	809,226	1,219,784
Dairy Products (Except Frozen).....	1,178,628	865,173	x	x	779,025	x
Fluid Milk Manufacturing	x	x	x	x	x	x
Butter, Cheese, Dry and Condensed Products.....	x	x	x	x	x	x
Ice Cream and Frozen Desert Products.....	x	28,174	x	x	x	x
Total International Exports of Dairy Products.....	4,933	531	3,504	283	820	11,470

Note: Use preliminary numbers (p) with caution.

Source: Alberta Milk; Statistics Canada, Tables 32-10-0045-01, 16-10-0038-01, 16-10-0117-01, and 16-10-0048-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 70: Output and Value of Poultry Meats, Alberta, 2006-2017

	Total Production		Consumed by Producers		Sold	
	tonnes	\$'000	tonnes	\$'000	tonnes	\$'000
Stewing Hen and Chicken						
2006.....	88,150	138,493	430	733	87,721	137,760
2007.....	89,888	152,800	418	647	89,470	152,154
2008.....	90,622	172,983	404	704	90,218	172,279
2009.....	91,128	177,365	384	687	90,744	176,678
2010.....	95,121	178,120	373	632	94,748	177,488
2011.....	96,692	207,663	355	687	96,337	206,975
2012r.....	98,448	220,208	351	686	98,097	219,522
2013r.....	98,456	224,386	340	683	98,116	223,702
2014r.....	99,022	216,054	333	649	98,689	215,405
2015r.....	107,138	226,721	340	625	106,798	226,096
2016r.....	112,746	237,470	334	610	112,412	236,860
2017p.....	116,369	241,959	335	614	116,035	241,345
Turkey						
2006.....	13,242	23,738	29	52	13,213	23,686
2007.....	13,997	27,872	29	58	13,968	27,814
2008.....	16,200	36,016	30	67	16,170	35,949
2009.....	13,330	29,312	29	65	13,301	29,247
2010.....	13,317	27,068	28	57	13,288	27,011
2011.....	14,636	32,783	27	61	14,609	32,722
2012r.....	15,830	37,677	25	60	15,805	37,617
2013r.....	16,258	38,964	24	59	16,233	38,906
2014r.....	15,465	36,447	23	53	15,442	36,394
2015r.....	15,982	37,264	23	53	15,959	37,211
2016r.....	16,637	38,531	22	51	16,615	38,480
2017p.....	15,795	36,425	22	50	15,774	36,375
Total Stewing Hen, Chicken and Turkey						
2006.....	101,392	162,231	459	785	100,933	161,446
2007.....	103,886	180,672	447	704	103,438	179,968
2008.....	106,822	208,999	434	771	106,388	208,228
2009.....	104,459	206,677	414	752	104,045	205,925
2010.....	108,438	205,188	401	690	108,037	204,498
2011.....	111,329	240,445	383	748	110,946	239,697
2012r.....	114,279	257,885	376	746	113,902	257,140
2013r.....	114,714	263,350	364	742	114,350	262,608
2014r.....	114,487	252,502	355	702	114,131	251,799
2015r.....	123,119	263,984	362	677	122,757	263,307
2016r.....	129,383	276,001	356	661	129,027	275,340
2017p.....	132,165	278,383	356	664	131,808	277,720

Source: Statistics Canada, Table 32-10-0117-01

Table 71: Production, Disposition and Value of Eggs, Alberta, 2006-2017

	Production		Disposition						
	Average No. of Layers	Dozens	Sold (Includes Exports)				Leakers and Rejects	Producer Use for Consump.	Value
			For	Value	For	Value			
			Consumption		Hatching				
'000	'000	'000 doz.	\$'000	'000 doz.	\$'000	'000 doz.	'000 doz.	\$'000	
2006.....	2,308	48,261	40,634	44,121	6,265	22,676	942	420	530
2007.....	2,339	48,049	40,129	44,350	6,589	26,282	936	396	504
2008.....	2,337	48,769	40,889	53,503	6,507	27,843	952	420	589
2009.....	2,290	48,479	41,122	52,966	5,990	26,205	946	420	573
2010.....	2,367	50,779	43,320	53,901	6,050	26,410	989	420	552
2011.....	2,411	51,421	44,155	61,872	5,832	28,152	1,002	432	635
2012.....	2,422	54,939	47,627	70,414	5,795	28,984	1,073	444	687
2013.....	2,432	56,912	49,410	79,776	5,924	31,465	1,110	468	791
2014.....	2,517	57,863	50,338	79,587	5,918	30,221	1,127	480	792
2015r.....	2,630	61,406	53,304	81,605	6,400	32,539	1,198	504	809
2016r.....	2,786	65,191	56,798	89,684	6,606	33,891	1,271	516	853
2017p Jan.....	2,885	5,628	4,913	7,727	562	2,895	110	43	70
Feb.....	2,904	5,612	4,963	7,647	497	2,561	109	43	70
Mar.....	2,872	5,734	5,040	7,766	539	2,764	112	43	70
Apr.....	2,925	6,009	5,251	8,090	598	3,067	117	43	70
May.....	2,988	5,787	5,038	7,762	593	3,043	113	43	70
Jun.....	3,023	5,858	5,087	7,838	614	3,194	114	43	70
Jul.....	3,055	5,926	5,126	7,898	641	3,393	116	43	70
Aug.....	3,081	6,171	5,357	8,222	652	3,461	120	43	70
Sep.....	3,120	6,034	5,198	7,978	675	3,585	118	43	70
Oct.....	3,115	5,990	5,186	7,960	644	3,436	117	43	70
Nov.....	3,103	5,992	5,213	8,079	619	3,302	117	43	70
Dec.....	3,073	6,035	5,342	8,300	532	2,840	118	43	70
Annual.....	3,012	70,777	61,713	95,267	7,167	37,541	1,381	516	840

Source: Statistics Canada, Tables 32-10-0119-01 and 32-10-0121-01

Table 72: Chickens Slaughtered in Registered Stations, Alberta, 2005-2017

	Under 1 kg	1 to 2 kg	2 kg and Over	Total
	Eviscerated Weight - tonnes			
2005.....	19	85,287	30	85,337
2006.....	33	84,853	70	84,956
2007.....	41	86,975	48	87,063
2008.....	36	86,111	33	86,181
2009.....	39	87,969	36	88,043
2010.....	36	91,148	15	91,199
2011.....	31	90,223	0	90,255
2012.....	31	90,479	412	90,922
2013.....	34	90,544	465	91,043
2014.....	43	91,460	29	91,531
2015.....	42	98,706	108	98,855
2016.....	44	103,907	22	103,972
2017p.....	44	110,644	7	110,695

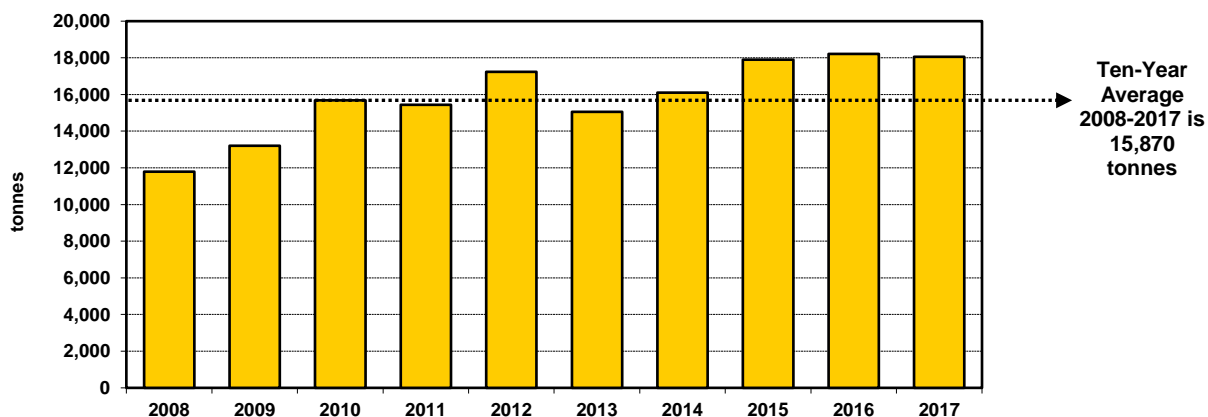
Source: Agriculture and Agri-Food Canada

Table 73: Alberta Honey Statistics, 1999-2017

	Colonies			Honey			
	Beekeepers	Colonies	Per	Yield per Colony	Production	Price	Value
			Beekeeper				
Number			kg	tonnes	\$/kg	\$'000	
1999.....	725	205,000	283	55	11,251	1.79	20,157.5
2000.....	747	217,000	290	50	10,926	1.81	19,741.4
2001.....	739	227,000	307	54	12,150	2.26	27,488.0
2002.....	700	227,000	324	59	13,488	4.32	58,320.0
2003.....	755	221,000	293	57	12,630	4.50	56,845.0
2004.....	695	248,000	357	61	15,186	3.32	50,455.0
2005.....	728	251,000	345	58	14,459	2.17	31,428.0
2006.....	733	254,000	347	83	21,199	2.19	46,375.0
2007.....	726	237,000	326	55	13,115	2.26	29,627.0
2008.....	620	226,000	365	52	11,789	3.20	37,755.0
2009.....	683	251,000	367	53	13,207	3.70	48,837.0
2010.....	769	266,000	346	59	15,685	3.58	56,230.0
2011.....	798	274,600	344	56	15,445	3.83	59,168.0
2012.....	883	278,400	315	62	17,237	3.96	68,340.0
2013.....	890	278,100	312	54	15,059	4.84	72,905.0
2014.....	1,015	282,900	279	57	16,103	4.95	79,788.0
2015.....	1,064	296,880	279	60	17,899	4.72	84,555.0
2016r.....	1,453	309,000	213	59	18,221	3.42	62,388.0
2017p.....	1,360	311,000	229	58	18,057	3.79	68,454.0

Source: Statistics Canada, Table 32-10-0353-01

Fig. 31 Honey Production in Alberta, 2008-2017



Source: Statistics Canada, Table 32-10-0353-01

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Alberta Crops in 2017

The 2017 Crop Season

The season started out with a wet spring and left over unharvested crops from 2016. This posed some challenges and delayed seeding, especially for Alberta producers in the North East, North West and Peace Regions. In general, weather conditions during the season were not uniform across the province and resulted in variable seeding and harvest progress, yields and crop quality.

More specifically, seeding was slow at the beginning of the season, due to the cool April temperatures experienced throughout the province. The situation was worse in the northern parts of the province, where cool temperatures hampered the dry down of already saturated soils caused by the wet conditions from the fall of 2016. Surface soil moisture condition at the beginning of May was reported as seven per cent fair, 26 per cent good, 44 per cent excellent and 23 per cent excessive. Regionally, excessive soil moisture was rated at three per cent in the Southern Region and nine per cent in the Central Region. For the Northern parts of Alberta, it was much higher. The excessive soil moisture reported at 49 per cent in the North East Region, 43 per cent in the North West Region and 25 per cent in the Peace Region. Fall seeded crops emerged from the winter with 89 per cent rated provincially as good or excellent and 11 per cent fair.

Saturated soils throughout the North East, North West and Peace Regions continued to impede field operations in May. As well, showers especially in the western parts of the province hampered seeding operations. By the end of May, seeding progress in Alberta was 79 per cent complete, well behind the provincial five-year average (2012-2016) of 97 per cent. Crop stage development was also behind normal, as only 43 per cent of crops emerged, compared to 78 per cent in 2016. Surface soil moisture improved slightly and was reported as one per cent poor, eight per cent fair, 40 per cent good, 36 per cent excellent and 15 per cent excessive, as of May 30. Good to excellent pasture conditions remained dominant, with ratings of nine per cent fair, 69 per cent good and 22 per cent excellent, as of May 30. Regionally, no pasture rating fell below 85 per cent good or excellent.

The delay in seeding and unfavorable weather conditions caused producers to change their seeding intentions and shift their acres to barley, away from spring wheat, canola and field peas in the first week of June. By mid-June, about 96 per cent of crops across the province were seeded and 86 per cent had emerged. Seeding in the Southern and Central Regions was complete, while seeding progress was 97 per cent in the North East, 95 per cent in the North West and 78 per cent in the Peace Regions, as of June 13. By the end of June, crop development was in line with the long term averages for the Southern and Central Regions, marginally delayed in the North East Region and well behind in the North West and Peace Regions, due to late seeding. Although precipitation was variable across the province in June, provincially crop growing conditions remained above normal in this month. As of June 27, crop growing conditions was rated as 78 per cent good or excellent, up five per cent from the five-year average.

Hot and dry weather settled in most parts of the province at the beginning of July, with some areas in the Southern Region experiencing high temperatures. Highly variable precipitation across the province also resulted in crop conditions starting to deteriorate. Hot, dry weather continued throughout the Southern Region and broadened its hold in the Central Region. Precipitation in July was also highly variable across the province. While most of the areas in the Peace Region and northern parts of the North East Region and North West Region saw at least near normal precipitation, the rest of the province remained quite dry. Consequently, surface soil moisture was highly variable across the province. Wet conditions and excessive soil moisture in the northern parts and dry conditions in the southern parts of the province resulted in deteriorating crop growing conditions, with only 60 per cent of crops rated as good or excellent by July 25, compared to the five-year average of 74 per cent. The initial crop yield estimates by the end of July indicated that the provincial yield index was 98.9, down 1.1 index points from the five-year average.

Dry conditions in southern parts of the province continued into the month of August, contributing to an early harvest. Harvest progress by the end of August stood at 18 per cent provincially, largely due to advances in the Southern (52 per cent) and Central Regions (14 per cent). Following a wet spell in the spring, some drier weather started to prevail by mid-August in the North East, North West and Peace Regions, allowing for some crop maturity. Even so, harvest progress was still behind in these regions, with only three per cent of crops harvested in the North East Region, less than one per cent in the North West Region and seven per cent in the Peace Region, as of August 29. Scattered rain across the province in August was too light and variable to significantly improve soil moisture and crop conditions, especially, in the Southern and Central Regions. By the end of August, surface and sub-surface soil moisture, as well as pasture growth conditions reflected the effects of the continuing dry conditions in southern parts of the province.

Warm and dry conditions prevailed across the province until mid-September, allowing provincial harvest progress to advance 45 per cent. After mid-September, cooler weather moved into the province resulting in frost in most areas. There was also precipitation, especially in the North West and Peace Regions, which slowed down harvest progress. By the end of September, 99 per cent of the crops in the Southern Region, 76 per cent in the Central Region, 32 per cent in the North East Region, 14 per cent in the North West Region and 40 per cent in the Peace Region were in the bin, with quality better than what was anticipated earlier in the season.

Cold and wet weather remained dominant in October, bringing killing frost to almost all areas in the province and some harvest challenges for the northern areas. Despite the unfavorable weather, producers were still able to make some good

harvest progress which stood at 87 per cent by mid-October. Producers in the North East, North West and Peace Regions also had to contend with wet snow up to six inches, which flattened standing cereal crops and required some drying after harvest. Overall, the dryland yield index for the province was estimated at 97.8 per cent by October 17, while crop quality deteriorated, reflecting the effect of a slow harvest, but still higher than their five-year averages.

As of October 31, harvest was provincially complete across the province, with 98.6 per cent of crops in the bin. The final estimate for the provincial dryland yield index was 97.4 per cent, down 2.6 per cent from five-year averages. Dryland yields for the Southern Region were below the five-year averages, while for the Central Region, these were in line with the five-year averages. For the northern regions, dryland yields were above the five-year averages. Crop quality was also variable across the province. Provincially, crop quality for the top two grades of hard red spring wheat, durum wheat, malt barley, canola and dry peas were above their five-year averages, while for barley number one and the top two grades of oats it was below.

Insects and Crop Diseases

In 2017, populations of pea leaf weevil, cabbage seedpod weevil and lygus were generally lower than in previous years. Both grasshoppers and wheat stem sawfly population were higher than normal. Potato psyllids were present for most of the growing season, with a peak in August. In southern Alberta, concerns about insects was not huge until July when a very large outbreak of diamondback moths occurred. Wheat midge was also an issue in some parts of the Central Region.

Forage and Pasture

The season started with 72 per cent of hay and pasture rated as good or excellent, with very good moisture. However, growth was slow, due to cool temperatures. The good to excellent situation remained dominant until mid-July, when dry conditions blanketed southern parts of the province. After this, pasture conditions deteriorated for the rest of the season. As of August 22, pasture conditions were reported as 29 per cent poor, 23 per cent fair, 31 per cent good and 17 per cent excellent. Dry conditions in the southern parts of the province coupled with wet conditions in the northern parts affected pasture growing conditions. Provincially, by the end of October, only 28 per cent of pasture was rated as good to excellent, 28 per cent poor and 44 per cent fair. Some precipitation in early fall improved pasture growing conditions in the Southern Region to 32 per cent good or excellent. For the other regions, the comparable rating was 10 per cent in the Central Region, 20 per cent in the North East Region, 15 per cent in the North West Region and 78 per cent in the Peace Region.

After several years, dry conditions in the southern parts of the province were favourable for haying operations. First cut dryland hay (five-year averages shown in brackets) was 97 (89) per cent complete by August 8, with an average yield of 1.6 (1.5) tons per acre and quality rated at 82 (67) per cent good or excellent. Irrigated haying operations were 99 (99) per cent complete, with average yield at 2.8 (2.3) tons per acre and quality rated at 92 (71) per cent good or excellent. As of September 19, the average yield for second cut hay was 1.1 tons per acre for dryland, and 1.8 tons per acre for irrigated. Some producers even had a third cut of irrigated hay, with the average yield at 1.3 ton per acre. The quality for second cut hay was reported as 64 and 93 per cent good to excellent for dryland and irrigated hay, respectively. The quality of third cut hay was rated as 100 per cent good to excellent.

Alberta Crop Production

Based on the Statistics Canada, production of selected field crops (including forages) in Alberta totaled 33.5 million tonnes in 2017, down 2.4 per cent from 2016. Excluding forages, selected field crops production was at 24.8 million tonnes, two per cent lower than a year ago. It is important to note that although estimates were lower for 2017, they are still 13.3 and 17.6 per cent higher respectively, than the 10-year averages (2007-2016). Provincial average yields for most major crops fell from 2016, but were still higher than the 10-year averages.

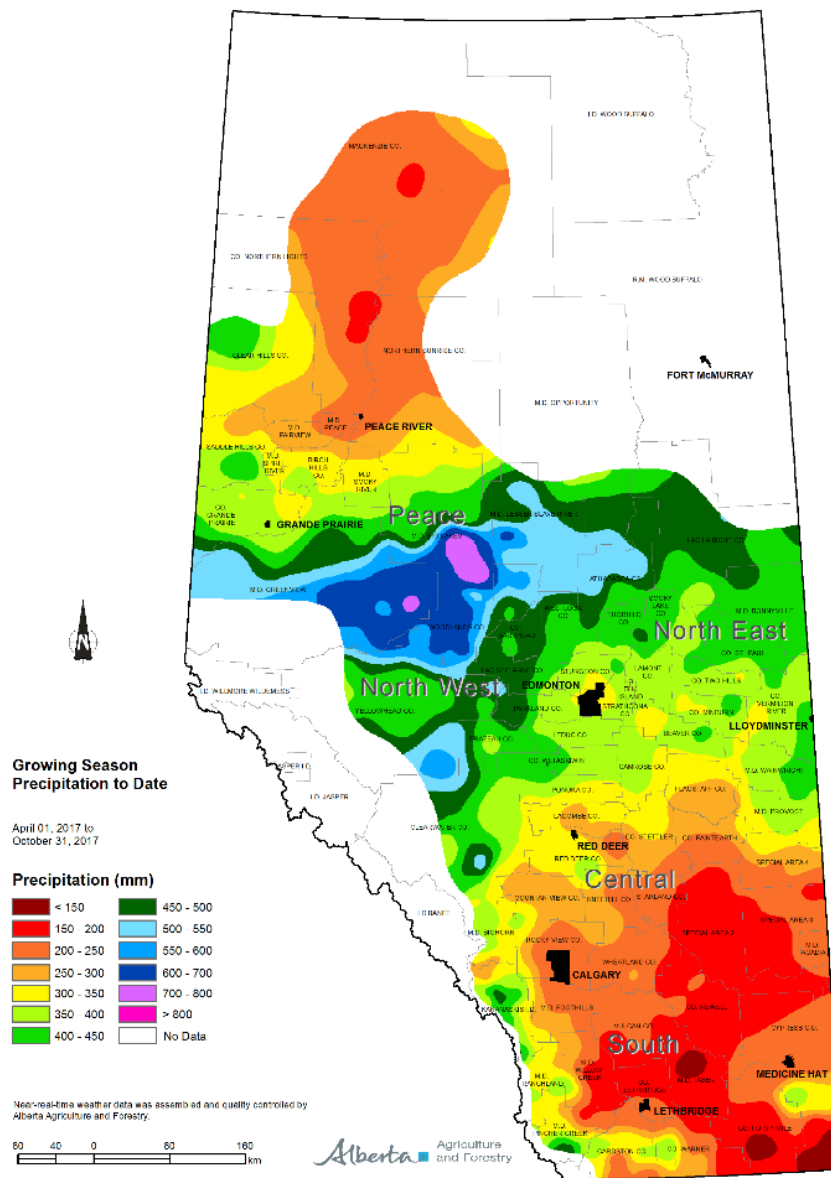
Total production of spring wheat in 2017, increased 6.3 per cent, to 8.7 million tonnes. The higher production stemmed from an increase in harvested area (up 12.7 per cent) compensating for the decline in yield (down 5.6 per cent). The provincial average yield was estimated at 55.5 bushels per acre, with harvested area at 5.8 million acres. Durum wheat production decreased 31.6 per cent to 1.1 million tonnes, due to a 31.5 per cent decline in average yield from last year to 36.7 bushels per acre. For all wheat, production slightly decreased by 1.3 per cent, to 10 million tonnes. The lower production was due to yield declining 9.5 per cent to 52.6 bushel per acre, despite a nine per cent increase in harvested area to seven million acres.

Total barley production fell 11.2 per cent from last year to 3.9 million tonnes. The average yield was down 5.4 per cent to 71.8 bushels per acre, while harvested area declined six per cent to 2.5 million acres. Total canola production increased 10.9 per cent from 2016 to a record of 6.8 million tonnes. This was attributed to a higher harvested area of 6.9 million acres (up 15.1 per cent from 2016), despite average yield falling 3.7 per cent to 43.7 bushels per acre. Dry peas production fell 12.3 per cent to two million tonnes, due to a lower yield of 40.9 bushels per acre (down 11.3 per cent from 2016) and harvested area of 1.8 million acres (down 1.1 per cent). Despite the production decline, it was still the second highest on record and 76.2 per cent above the 10-year average. Total oats production dropped 2.5 per cent, to 609,200 tonnes, due to a 1.4 per cent decrease in yield to 92.9 bushels per acre, as well as a 1.2 per cent decline in harvested area to 425,000 acres. Corn for grain production increased significantly, by 56 per cent to a record of 152,900 tonnes (98,000 tonnes in 2016) and was 166.7 per cent above the 10-year average. The higher production was driven by a 50 per cent increase in harvested area (to 45,000 acres), as well as a four per cent increase in yield to 133.8 bushels per acre. For sugar beets,

production decreased five per cent to 771,100 tonnes. The lower production was the result of a 7.1 per cent decrease in harvested area to 26,000 acres, despite a 2.2 per cent increase in yield to 32.7 tons per acre.

Crop Prices and Marketings

Local and international market prices for wheat, oats and canola in 2017 were up from 2016, while barley prices declined. In Alberta, the average price of all wheat increased 9.9 per cent to \$6.97 per bushel, the average price for oats increased by one per cent to \$2.86 per bushel, and the average price for canola was estimated at \$11.20 per bushel, up five per cent from 2016. The average price for barley decreased to \$4.04 per bushel, down 5.1 per cent from 2016. With respect to marketings, year-over-year changes varied substantially among major crops. Marketings for total wheat and barley in 2017 increased to 8.6 and 1.3 million tonnes, respectively, while oats was down to 156,000 tonnes. For canola, total marketings increased to 6.2 million tonnes, 2.7 per cent above 2016. While marketing for all wheat and canola was respectively 3.3 per cent and 12.5 per cent higher than the five-year average (2012-2016), marketings for barley and oats remained lower than the five-year average. Marketings for lentils and dry peas dropped by 22.8 and 16.3 per cent, respectively, to 220,800 tonnes and 1.6 million tonnes, which is still 23.2 and 67.1 per cent higher than the five-year averages. For corn, total marketings increased 35.2 per cent, to 88,100 tonnes.



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Map: Precipitation Accumulation Relative to 1961-2017 Normal, April 01, 2017 to October 31, 2017

Table 74: Major Crop Production, Canada and Provinces, 2008-2017

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
All Wheat - '000 tonnes								
2008.....	28,619.2	8,736.2	12,342.3	4,280.9	46.7	3,003.2	149.5	60.4
2009.....	26,949.9	7,440.7	12,993.5	4,144.9	71.2	2,108.5	148.5	42.6
2010.....	23,299.6	8,201.3	9,566.3	3,250.9	43.7	2,038.5	157.0	41.9
2011.....	25,288.0	8,839.6	11,525.8	2,228.9	121.6	2,407.9	116.0	48.2
2012r.....	27,246.0	8,368.8	12,727.3	3,923.0	96.0	1,924.2	160.0	46.7
2013r.....	37,589.1	11,329.0	18,298.3	5,160.0	151.8	2,423.8	183.3	42.9
2014r.....	29,442.1	9,372.8	14,158.1	3,797.5	109.4	1,750.0	204.5	49.8
2015r.....	27,647.4	8,290.0	13,044.5	4,218.3	134.9	1,605.7	281.5	72.5
2016r.....	32,139.9	10,106.7	14,548.5	4,217.5	139.6	2,743.4	310.0	74.2
2017p.....	29,984.2	9,980.1	12,900.4	4,367.7	61.0	2,299.7	295.0	80.3
Oats - '000 tonnes								
2008.....	4,272.6	541.3	2,267.1	1,116.6	33.9	67.9	205.0	40.8
2009.....	2,911.5	308.4	1,465.1	771.1	33.9	79.8	220.0	33.2
2010.....	2,451.4	647.7	771.1	616.9	35.5	75.6	263.0	41.6
2011.....	3,157.6	738.7	1,582.3	431.8	86.4	64.4	223.0	31.0
2012r.....	2,829.6	518.2	1,326.3	601.5	66.3	60.9	220.0	36.4
2013r.....	3,927.6	601.5	2,328.7	613.8	85.9	75.6	189.0	33.1
2014r.....	2,976.8	542.9	1,557.6	524.4	51.8	70.9	191.5	37.7
2015r.....	3,425.0	393.3	1,927.8	595.3	58.0	154.2	249.0	47.4
2016r.....	3,231.2	624.6	1,653.3	569.1	56.3	80.2	204.4	43.3
2017p.....	3,724.2	609.2	1,989.0	820.5	41.3	71.1	149.0	44.1
Barley - '000 tonnes								
2008.....	11,785.8	5,447.5	4,594.0	1,121.3	50.9	191.6	258.0	122.5
2009.....	9,528.2	3,840.7	4,080.2	958.0	45.7	236.2	276.0	91.4
2010.....	7,627.2	4,528.7	1,937.7	487.7	30.2	267.8	270.0	105.1
2011.....	7,891.5	4,668.0	2,438.5	261.3	64.2	161.1	196.0	102.4
2012r.....	8,012.3	4,463.3	2,351.4	618.3	55.8	165.5	234.0	124.0
2013r.....	10,281.6	5,545.4	3,411.7	756.6	85.8	134.6	221.0	126.5
2014r.....	7,116.8	4,131.3	2,172.9	354.9	42.7	151.3	163.5	100.2
2015r.....	8,256.6	4,289.2	2,863.1	598.7	67.5	158.9	168.0	111.2
2016r.....	8,839.4	4,398.0	3,374.7	587.9	58.8	130.6	175.0	114.4
2017p.....	7,891.3	3,906.0	3,135.2	437.6	37.6	99.9	171.0	104.0
Flaxseed - '000 tonnes								
2008.....	861.1	33.0	666.8	161.3	-	-	-	-
2009.....	914.9	28.4	708.7	177.8	-	-	-	-
2010.....	418.5	30.5	311.2	76.8	-	-	-	-
2011.....	398.9	54.7	289.6	54.6	-	-	-	-
2012r.....	491.5	44.5	381.0	66.0	-	-	-	-
2013r.....	730.7	73.7	584.2	72.8	-	-	-	-
2014r.....	883.3	98.4	706.2	78.7	-	-	-	-
2015r.....	943.1	83.8	787.4	71.9	-	-	-	-
2016r.....	591.4	59.8	473.7	57.9	-	-	-	-
2017p.....	555.1	62.2	447.6	45.3	-	-	-	-
Canola - '000 tonnes								
2008.....	12,644.9	4,322.7	5,629.1	2,576.4	31.8	49.9	35.0	-
2009.....	12,898.1	3,628.7	6,259.6	2,891.7	49.9	44.7	23.5	-
2010.....	12,788.6	4,740.0	5,692.6	2,215.8	39.7	75.5	25.0	-
2011.....	14,608.1	5,347.9	7,348.2	1,746.3	56.0	73.7	36.0	-
2012r.....	13,868.5	5,097.2	6,486.4	2,100.1	82.8	61.2	33.0	7.8
2013r.....	18,551.0	6,168.9	9,178.4	3,025.5	88.7	49.9	33.5	6.1
2014r.....	16,410.1	5,796.9	7,971.9	2,510.6	71.9	31.3	27.5	-
2015r.....	18,376.5	5,851.3	9,536.8	2,857.6	70.8	34.0	26.0	-
2016r.....	19,599.2	6,157.5	10,682.1	2,608.2	81.6	37.1	32.7	-
2017p.....	21,313.2	6,826.6	11,181.1	3,147.9	75.7	45.4	36.5	-

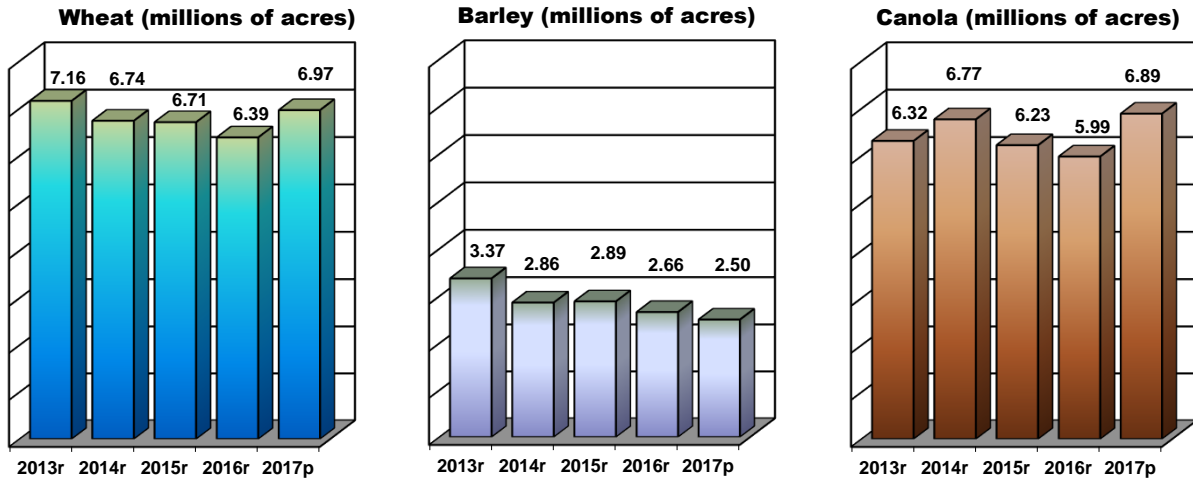
Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 75: Acreage and Production of Principal Field Crops, Prairie Provinces and Canada, 2017

	Alberta	Sask.	Manitoba	Canada	Alberta	Sask.	Manitoba
	Seeded Acres - '000				% of Canada		
All Wheat	7,055.0	11,305.0	2,695.0	22,391.1	31.5	50.5	12.0
Winter Wheat.....	105.0	235.0	70.0	1,384.8	7.6	17.0	5.1
Spring Wheat.....	5,860.0	6,955.0	2,625.0	15,801.3	37.1	44.0	16.6
Durum Wheat.....	1,090.0	4,115.0	-	5,205.0	20.9	79.1	-
Oats	690.0	1,660.0	520.0	3,200.3	21.6	51.9	16.2
Barley	2,850.0	2,325.0	265.0	5,766.0	49.4	40.3	4.6
Fall Rye	45.0	100.0	80.0	259.8	17.3	38.5	30.8
Mixed Grains	135.0	30.0	13.0	303.4	44.5	9.9	4.3
Flaxseed	85.0	900.0	55.0	1,040.0	8.2	86.5	5.3
Canola	6,930.0	12,730.0	3,160.0	22,997.1	30.1	55.4	13.7
Corn for Grain	60.0	-	410.0	3,575.5	1.7	-	11.5
Peas, Dry	1,800.0	2,165.0	65.0	4,093.0	44.0	52.9	1.6
Lentils	485.0	3,920.0	-	4,405.0	11.0	89.0	-
Mustard Seed	95.0	290.0	-	385.0	24.7	75.3	-
Beans, Dry	50.0	-	136.0	333.1	15.0	-	40.8
Triticale	35.0	30.0	-	65.0	53.8	46.2	-
Fodder Corn	130.0	70.0	87.0	813.5	16.0	8.6	10.7
Tame Hay	4,460.0	3,840.0	1,620.0	14,510.8	30.7	26.5	11.2
	Harvested Acres - '000				% of Canada		
All Wheat	6,965.0	11,223.0	2,682.0	22,198.6	31.4	50.6	12.1
Winter Wheat.....	105.0	233.0	70.0	1,381.8	7.6	16.9	5.1
Spring Wheat.....	5,775.0	6,915.0	2,612.0	15,656.8	36.9	44.2	16.7
Durum Wheat.....	1,085.0	4,075.0	-	5,160.0	21.0	79.0	-
Oats	425.0	1,420.0	480.0	2,592.8	16.4	54.8	18.5
Barley	2,500.0	2,170.0	250.0	5,222.3	47.9	41.6	4.8
Fall Rye	25.0	88.0	66.0	239.8	10.4	36.7	27.5
Mixed Grains	25.0	5.0	4.0	133.1	18.8	3.8	3.0
Flaxseed	85.0	890.0	60.0	1,035.0	8.2	86.0	5.8
Canola	6,890.0	12,680.0	3,155.0	22,896.3	30.1	55.4	13.8
Corn for Grain	45.0	-	390.0	3,474.6	1.3	-	11.2
Peas, Dry	1,790.0	2,143.0	63.0	4,058.0	44.1	52.8	1.6
Lentils	483.0	3,900.0	-	4,383.0	11.0	89.0	-
Mustard Seed	93.0	285.0	-	378.0	24.6	75.4	-
Beans, Dry	50.0	-	135.0	325.1	15.4	-	41.5
Triticale	15.0	15.0	-	30.0	50.0	50.0	-
Fodder Corn	90.0	50.0	80.0	732.1	12.3	6.8	10.9
Tame Hay	4,160.0	3,390.0	1,575.0	13,536.9	30.7	25.0	11.6
	Production - '000 tonnes				% of Canada		
All Wheat	9,980.1	12,900.4	4,367.7	29,984.2	33.3	43.0	14.6
Winter Wheat.....	176.9	290.5	117.7	2,855.3	6.2	10.2	4.1
Spring Wheat.....	8,720.0	8,730.9	4,250.0	22,166.7	39.3	39.4	19.2
Durum Wheat.....	1,083.2	3,879.0	-	4,962.2	21.8	78.2	-
Oats	609.2	1,989.0	820.5	3,724.2	16.4	53.4	22.0
Barley	3,906.0	3,135.2	437.6	7,891.3	49.5	39.7	5.5
Fall Rye	33.5	113.0	114.3	323.8	10.3	34.9	35.3
Mixed Grains	33.0	3.7	4.1	149.2	22.1	2.5	2.7
Flaxseed	62.2	447.6	45.3	555.1	11.2	80.6	8.2
Canola	6,826.6	11,181.1	3,147.9	21,313.2	32.0	52.5	14.8
Corn for Grain	152.9	-	1,270.1	14,095.3	1.1	-	9.0
Peas, Dry	1,991.5	1,973.8	80.3	4,112.2	48.4	48.0	2.0
Lentils	264.4	2,294.1	-	2,558.5	10.3	89.7	-
Mustard Seed	27.1	94.5	-	121.6	22.3	77.7	-
Beans, Dry	61.5	-	130.4	322.4	19.1	-	40.4
Triticale	23.2	9.8	-	33.0	70.3	29.7	-
Fodder Corn	1,564.9	816.5	1,238.3	13,267.5	11.8	6.2	9.3
Tame Hay	7,175.8	3,519.9	2,993.7	24,155.7	29.7	14.6	12.4

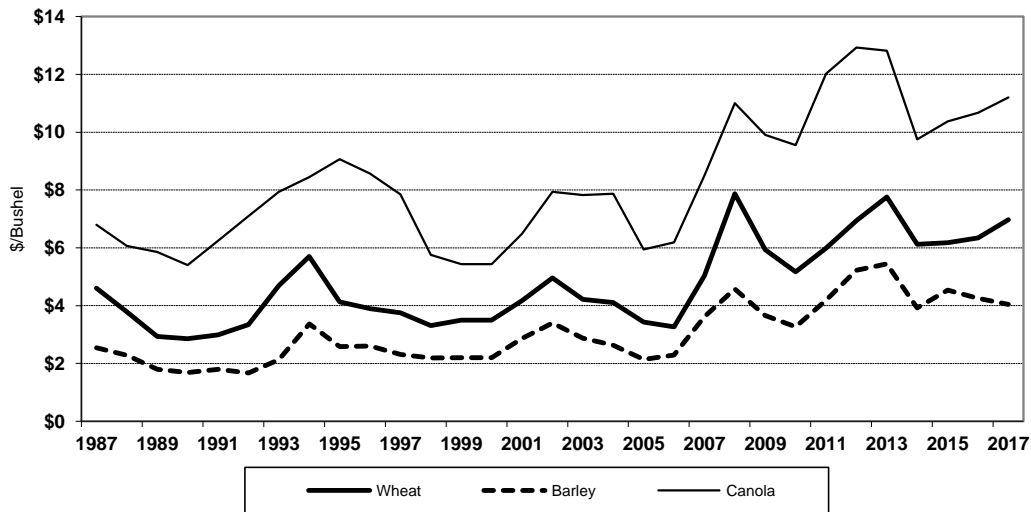
Source: Statistics Canada, Table 32-10-0359-01 ; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 32 Harvested Acreage of Alberta Wheat, Barley and Canola, 2013-2017



Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 33 Price of Alberta Wheat, Barley and Canola, 1987-2017



Source: Statistics Canada; Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 76: Alberta Principal Field Crops - Area, Yield and Production, 2013-2017

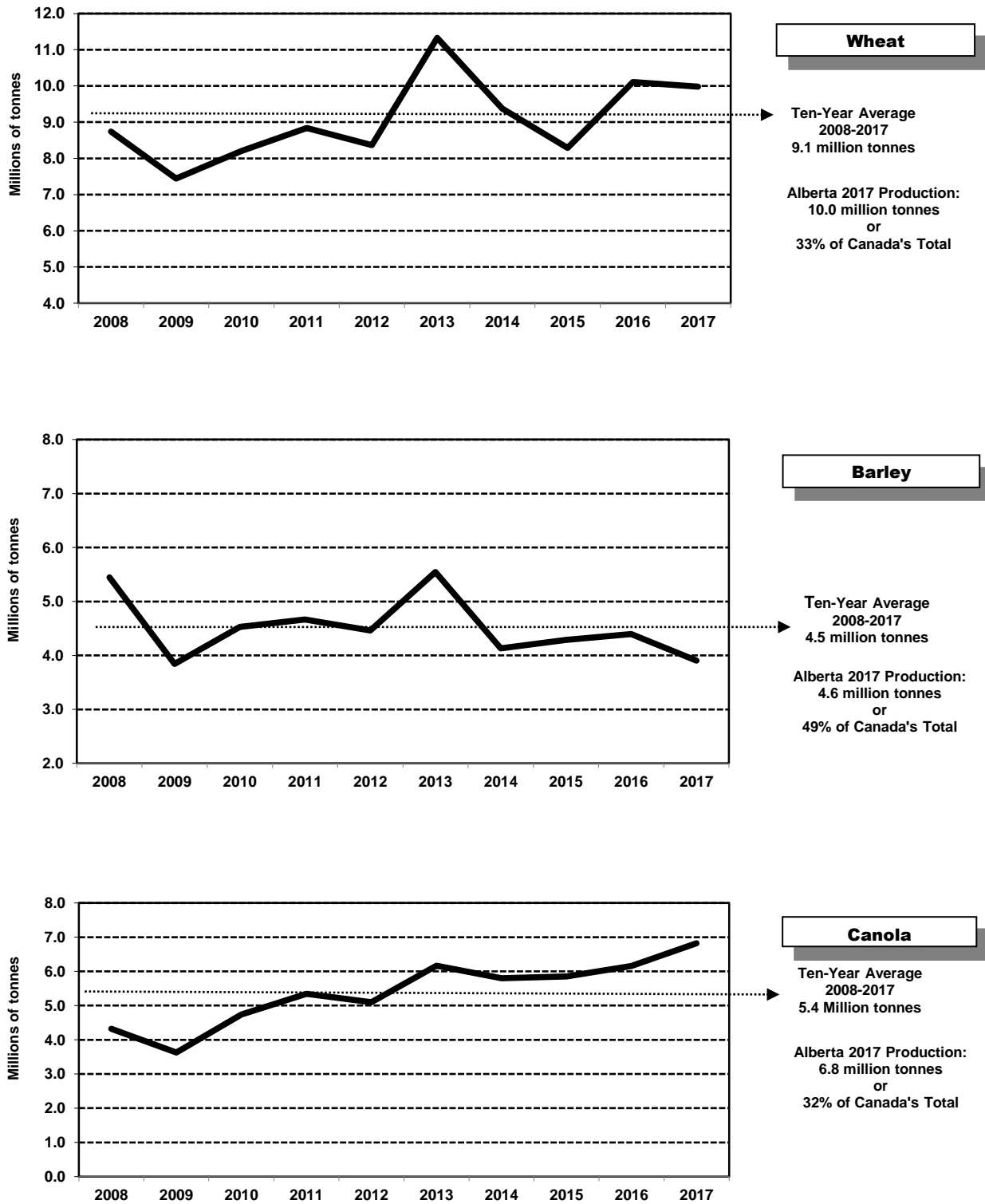
	2013r	2014r	2015r	2016r	2017p	2013r	2014r	2015r	2016r	2017p
	Seeded Acres - '000					Harvested Acres - '000				
All Wheat	7,240.0	6,885.0	6,980.0	7,024.0	7,080.0	7,160.0	6,740.0	6,710.0	6,389.0	6,965.0
Winter Wheat (1).....	170.0	185.0	160.0	179.0	105.0	155.0	185.0	160.0	179.0	105.0
Spring Wheat.....	6,440.0	6,095.0	5,910.0	5,728.5	5,860.0	6,390.0	5,985.0	5,680.0	5,125.0	5,775.0
Durum Wheat.....	620.0	580.0	890.0	1,101.5	1,090.0	615.0	570.0	870.0	1,085.0	1,085.0
Oats	580.0	670.0	725.0	822.2	690.0	410.0	455.0	360.0	430.0	425.0
Barley	3,700.0	3,250.0	3,500.0	3,413.9	2,850.0	3,370.0	2,860.0	2,885.0	2,660.0	2,500.0
Fall Rye	40.0	40.0	45.0	81.0	45.0	30.0	30.0	30.0	52.0	25.0
Flaxseed	90.0	135.0	120.0	78.6	85.0	90.0	135.0	119.0	72.0	85.0
Canola	6,340.0	6,800.0	6,265.0	6,165.7	6,930.0	6,315.0	6,770.0	6,225.0	5,985.0	6,890.0
Mixed Grains	140.0	140.0	115.0	242.2	135.0	12.0	12.0	10.0	25.0	25.0
Corn for Grain	25.0	50.0	40.0	40.9	60.0	20.0	35.0	32.0	30.0	45.0
Peas, Dry	1,040.0	1,355.0	1,515.0	1,909.5	1,800.0	1,030.0	1,335.0	1,480.0	1,810.0	1,790.0
Lentils	100.0	110.0	285.0	463.5	485.0	95.0	108.0	283.0	458.0	483.0
Mustard Seed	95.0	135.0	90.0	135.0	95.0	92.0	133.0	88.0	132.0	93.0
Beans, Dry	40.0	55.0	40.0	57.0	50.0	40.0	53.0	38.0	57.0	50.0
Fababeans	-	75.0	80.0	45.0	35.0	-	75.0	77.0	41.0	34.0
Triticale	25.0	30.0	35.0	50.4	35.0	13.0	15.0	10.0	20.0	15.0
Fodder Corn	125.0	125.0	135.0	200.3	130.0	100.0	85.0	95.0	100.0	90.0
Sugar Beets	22.0	20.0	18.0	28.3	26.0	22.0	20.0	18.0	28.0	26.0
Tame Hay	4,975.0	4,800.0	4,575.0	4,382.3	4,460.0	4,520.0	4,430.0	3,965.0	4,010.1	4,160.0
Total	24,567.0	24,650.0	24,543.0	25,124.8	24,966.0	23,319.0	23,291.0	22,425.0	22,299.1	23,701.0

	2013r	2014r	2015r	2016r	2017p	2013r	2014r	2015r	2016r	2017p
	Yield Per Acre					Production - '000 tonnes				
All Wheat (bu.)	58.1	51.1	45.4	58.1	52.6	11,329.0	9,372.8	8,290.0	10,106.7	9,980.1
Winter Wheat (bu.).....	68.4	58.8	51.9	65.4	61.9	288.5	296.1	225.9	318.4	176.9
Spring Wheat (bu.).....	58.5	51.4	46.9	58.8	55.5	10,169.6	8,369.1	7,247.6	8,204.4	8,720.0
Durum Wheat (bu.).....	52.0	45.6	34.5	53.6	36.7	870.9	707.6	816.5	1,583.9	1,083.2
Oats (bu.)	95.1	77.4	70.8	94.2	92.9	601.5	542.9	393.3	624.6	609.2
Barley (bu.)	75.6	66.3	68.3	75.9	71.8	5,545.4	4,131.3	4,289.2	4,398.0	3,906.0
Fall Rye (bu.)	47.7	40.5	43.3	45.2	52.8	36.3	30.9	33.0	59.7	33.5
Flaxseed (bu.)	32.2	28.7	27.7	32.7	28.8	73.7	98.4	83.8	59.8	62.2
Canola (bu.)	43.1	37.8	41.4	45.4	43.7	6,168.9	5,796.9	5,851.3	6,157.5	6,826.6
Mixed Grains (bu.)	54.2	52.5	60.0	60.0	64.6	13.3	12.9	12.2	30.6	33.0
Corn for Grain (bu.)	130.0	102.9	107.8	128.7	133.8	66.0	91.4	87.6	98.0	152.9
Peas, Dry (bu.)	47.1	40.6	32.6	46.1	40.9	1,321.3	1,475.1	1,314.5	2,271.2	1,991.5
Lentils (lbs.)	2,558.0	1,724.0	1,375.0	2,175.0	1,207.0	110.3	84.4	176.4	451.8	264.4
Mustard Seed (lbs.)	892.0	985.0	800.0	1,224.0	642.0	37.2	59.4	31.9	73.3	27.1
Beans, Dry (cwt.)	26.5	27.5	27.8	23.8	27.1	48.1	66.0	47.9	61.6	61.5
Fababeans (cwt.)	-	31.6	23.4	29.3	29.4	-	107.5	81.6	54.4	45.4
Triticale (bu.)	51.2	46.0	57.0	59.5	60.8	16.9	17.5	14.5	30.2	23.2
Fodder Corn (tons)	17.1	16.2	16.1	20.0	19.2	1,551.3	1,251.9	1,388.0	1,814.4	1,564.9
Sugar Beets (tons)	30.0	32.0	30.8	32.0	32.7	598.7	580.6	503.5	811.9	771.1
Tame Hay (tons)	1.9	1.7	1.3	2.0	1.9	7,588.6	6,976.3	4,640.2	7,239.3	7,175.8
Total.....	...	...	...	...	...	35,106.5	30,696.2	27,238.9	34,343.0	33,528.4

(1) The area remaining in June after winterkill.

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Fig. 34 Production of Alberta Wheat, Barley and Canola, 2008-2017



Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 77: Alberta Major Crops - Acreage, 1966-2017

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye	Total	% Chg.
Seeded Acres - '000								
1966.....	6,506	2,082	3,880	347	624	172	13,611	5.3
1967.....	6,380	1,960	4,280	145	875	160	13,800	1.4
1968.....	6,460	1,960	4,650	285	450	114	13,919	0.9
1969.....	5,300	1,900	4,900	450	816	180	13,546	-2.7
1970.....	2,600	2,600	4,500	650	1,450	225	12,025	-11.2
1971.....	3,443	2,443	5,689	271	1,988	250	14,084	17.1
1972.....	4,300	2,400	5,200	170	1,300	220	13,590	-3.5
1973.....	4,700	2,500	5,300	200	1,300	240	14,240	4.8
1974.....	4,200	2,300	5,300	200	1,150	350	13,500	-5.2
1975.....	4,500	2,100	5,500	200	1,700	300	14,300	5.9
1976.....	5,600	2,300	5,700	75	750	184	14,609	2.2
1977.....	4,800	2,000	5,700	125	1,550	200	14,375	-1.6
1978.....	5,100	1,800	5,300	100	2,950	250	15,500	7.8
1979.....	5,200	1,600	4,700	250	3,500	250	15,500	0.0
1980.....	6,000	1,800	5,650	170	2,200	250	16,070	3.7
1981.....	6,700	1,800	6,550	100	1,450	300	16,900	5.2
1982.....	6,800	1,800	6,450	160	1,900	290	17,400	3.0
1983.....	7,700	1,600	5,500	60	2,500	255	17,615	1.2
1984.....	7,300	1,800	5,750	80	3,000	195	18,125	2.9
1985.....	7,600	1,850	6,150	80	2,800	200	18,680	3.1
1986.....	7,620	1,760	5,900	85	2,800	225	18,390	-1.6
1987.....	7,280	1,650	5,900	55	2,900	260	18,045	-1.9
1988.....	7,010	1,850	5,000	35	3,600	320	17,815	-1.3
1989.....	7,770	1,900	5,450	85	2,700	340	18,245	2.4
1990.....	7,770	1,600	5,450	135	2,450	290	17,695	-3.0
1991.....	7,791	1,285	5,404	71	2,982	175	17,709	0.1
1992.....	8,055	1,700	4,800	45	2,850	175	17,625	-0.5
1993.....	7,400	1,600	5,100	60	3,650	125	17,935	1.8
1994.....	6,190	1,500	4,900	70	5,000	135	17,795	-0.8
1995.....	6,730	1,200	5,150	90	4,450	115	17,735	-0.3
1996.....	7,350	1,400	5,800	35	3,150	110	17,845	0.6
1997.....	6,725	1,400	5,600	70	4,000	115	17,910	0.4
1998.....	6,810	1,350	5,200	70	4,350	145	17,925	0.1
1999.....	7,190	1,400	4,750	80	4,550	125	18,095	0.9
2000.....	7,242	1,300	5,400	35	3,800	125	17,902	-1.1
2001.....	6,940	1,400	4,900	40	2,700	130	16,110	-10.0
2002.....	6,319	1,650	5,360	50	2,950	115	16,444	2.1
2003.....	6,313	1,600	5,300	50	3,350	220	16,833	2.4
2004.....	6,330	1,450	4,720	50	3,975	165	16,690	-0.8
2005.....	6,597	1,250	4,225	80	4,300	150	16,602	-0.5
2006.....	6,489	1,269	4,095	60	4,500	210	16,624	0.1
2007.....	5,842	1,050	4,850	30	5,035	105	16,912	1.7
2008.....	6,930	850	4,150	45	5,200	100	17,275	2.1
2009.....	7,095	845	3,960	50	5,000	75	17,025	-1.4
2010.....	6,580	940	3,730	40	5,550	70	16,910	-0.7
2011.....	6,728	892	3,610	70	6,072	55	17,426	3.0
2012r.....	6,570	675	3,800	55	6,700	40	17,840	1.1
2013r.....	7,240	580	3,700	90	6,340	40	17,990	0.7
2014r.....	6,885	670	3,250	135	6,800	40	17,780	-1.0
2015r.....	6,980	725	3,500	120	6,265	45	17,635	-1.8
2016r.....	7,024	822	3,414	79	6,166	81	17,585	-3.1
2017p.....	7,080	690	2,850	85	6,930	45	17,680	0.5

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 78: Alberta Major Crops - Yield, 1966-2017

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
	Bushels per Acre					
1966.....	29.4	48.5	41.0	15.9	17.6	25.0
1967.....	22.7	40.8	32.2	11.7	13.9	19.4
1968.....	25.7	48.0	38.3	15.1	16.7	21.1
1969.....	26.4	51.6	40.0	14.0	14.3	19.4
1970.....	27.7	57.1	42.0	16.3	17.6	23.1
1971.....	26.4	51.7	39.4	12.9	16.1	24.0
1972.....	27.4	56.8	44.2	15.9	18.5	23.1
1973.....	27.0	55.5	39.0	14.5	16.5	24.2
1974.....	24.3	47.1	36.9	12.5	16.3	23.7
1975.....	30.0	55.3	42.2	16.0	17.9	28.3
1976.....	32.5	58.9	45.4	16.0	19.7	28.3
1977.....	24.8	58.1	45.9	16.0	22.9	25.0
1978.....	29.8	52.4	45.1	20.0	21.0	35.2
1979.....	28.5	58.4	45.9	17.6	18.1	27.6
1980.....	33.0	63.1	50.7	19.4	22.7	28.8
1981.....	34.1	62.3	49.6	22.0	23.1	42.0
1982.....	32.4	62.9	49.5	20.0	22.6	31.0
1983.....	32.5	59.1	45.9	18.3	18.8	32.5
1984.....	24.6	53.9	41.0	15.0	20.0	27.7
1985.....	23.7	54.5	41.7	13.8	19.6	23.5
1986.....	34.9	72.3	59.5	22.4	25.0	37.3
1987.....	29.3	67.5	54.0	21.8	25.3	27.4
1988.....	27.7	73.8	57.2	22.9	24.2	20.5
1989.....	31.1	61.9	51.1	20.0	23.0	29.3
1990.....	33.1	62.6	56.3	22.2	23.1	25.7
1991.....	37.0	60.0	54.0	21.3	24.0	37.5
1992.....	30.6	56.0	51.3	18.8	21.6	31.1
1993.....	39.6	79.2	64.4	26.7	26.1	40.0
1994.....	33.8	67.0	55.2	22.9	21.8	35.0
1995.....	40.3	66.7	61.9	23.3	24.5	34.7
1996.....	39.8	66.7	61.3	22.9	25.0	31.5
1997.....	37.9	63.5	57.0	21.4	23.5	37.1
1998.....	37.1	62.5	56.5	22.1	25.3	32.1
1999.....	42.4	70.0	65.5	22.1	29.0	38.0
2000.....	37.7	71.0	56.3	20.0	26.1	33.4
2001.....	33.3	64.0	54.5	22.9	27.3	27.1
2002.....	28.2	53.3	42.0	20.0	21.6	25.4
2003.....	38.6	65.4	56.3	20.0	29.7	36.2
2004.....	45.6	76.7	65.4	25.6	34.2	40.7
2005.....	47.7	79.7	66.8	28.0	37.9	44.4
2006.....	43.3	65.0	59.5	26.0	33.7	40.9
2007.....	39.3	65.6	55.0	21.3	30.0	36.3
2008.....	46.9	70.2	66.7	28.9	36.9	45.0
2009.....	40.9	66.7	58.2	28.0	32.7	37.5
2010.....	46.9	79.2	66.6	31.6	38.0	44.4
2011.....	49.1	81.9	67.0	31.7	39.5	42.5
2012r.....	47.4	77.8	59.9	31.8	33.8	45.0
2013r.....	58.1	95.1	75.6	32.2	43.1	47.7
2014r.....	51.1	77.4	66.3	28.7	37.8	40.5
2015r.....	45.4	70.8	68.3	27.7	41.4	43.3
2016r.....	58.1	94.2	75.9	32.7	45.4	45.2
2017p.....	52.6	92.9	71.8	28.8	43.7	52.8

Source: Statistics Canada, Table 32-10-0359-01 ; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 80: Alberta Major Crops - Unit Value, 1966-2017

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
	\$/Bushel					
1966.....	1.73	0.67	1.03	2.75	2.47	1.09
1967.....	1.61	0.64	0.84	3.08	1.92	1.08
1968.....	1.31	0.53	0.81	2.93	1.83	1.04
1969.....	1.17	0.53	0.62	2.56	2.29	0.88
1970.....	1.35	0.55	0.69	2.24	2.33	0.92
1971.....	1.30	0.50	0.67	2.24	2.16	0.82
1972.....	1.84	0.84	1.26	4.00	3.16	1.54
1973.....	4.24	1.61	2.50	9.17	5.72	2.61
1974.....	3.96	1.52	2.20	9.24	7.06	2.23
1975.....	3.51	1.42	2.31	6.51	5.09	2.64
1976.....	2.80	1.13	1.88	6.78	6.07	2.17
1977.....	2.75	0.95	1.60	5.48	6.39	2.30
1978.....	3.66	1.02	1.72	7.29	6.36	2.55
1979.....	4.86	1.42	2.31	7.56	6.14	3.76
1980.....	5.36	1.79	3.03	8.33	6.38	4.52
1981.....	5.03	1.59	2.50	7.77	6.33	3.63
1982.....	4.54	1.17	1.96	6.20	6.30	2.18
1983.....	4.71	1.56	2.53	8.18	8.60	2.79
1984.....	4.44	1.60	2.71	7.92	7.98	2.49
1985.....	3.55	1.46	2.14	6.93	6.39	2.28
1986.....	2.55	1.06	1.65	4.34	4.47	1.63
1987.....	3.04	1.39	1.45	5.39	5.83	2.13
1988.....	4.60	2.05	2.54	9.30	6.80	2.77
1989.....	3.78	1.30	2.28	8.61	6.06	2.08
1990.....	2.93	1.04	1.80	5.08	5.85	1.70
1991.....	2.85	1.31	1.68	3.94	5.40	1.80
1992.....	2.99	1.51	1.80	5.46	6.24	2.13
1993.....	3.34	1.36	1.67	5.84	7.10	2.21
1994.....	4.69	1.36	2.13	6.81	7.94	2.31
1995.....	5.70	2.61	3.37	7.44	8.44	2.75
1996.....	4.13	1.56	2.58	8.04	9.07	3.39
1997.....	3.90	1.89	2.60	8.08	8.57	2.50
1998.....	3.75	1.81	2.31	8.09	7.85	2.20
1999.....	3.31	1.57	2.19	6.28	5.75	2.05
2000.....	3.50	1.55	2.20	5.13	5.44	1.88
2001.....	4.17	2.34	2.87	6.92	6.49	2.57
2002.....	4.95	3.02	3.40	8.51	7.94	3.80
2003.....	4.22	2.65	2.87	8.91	7.82	3.36
2004.....	4.11	1.80	2.63	9.50	7.87	3.35
2005.....	3.43	1.76	2.13	8.89	5.94	2.46
2006.....	3.27	1.79	2.29	5.74	6.19	2.28
2007.....	5.03	2.42	3.61	8.35	8.50	3.70
2008.....	7.87	2.67	4.57	14.76	11.00	6.21
2009.....	5.93	2.38	3.66	10.31	9.91	4.17
2010.....	5.17	2.36	3.27	10.93	9.55	3.84
2011.....	5.99	2.99	4.18	14.05	12.02	5.46
2012.....	6.94	2.81	5.23	13.94	12.93	5.87
2013.....	7.76	3.24	5.44	14.35	12.81	6.23
2014r.....	6.12	2.56	3.92	12.83	9.75	6.25
2015r.....	6.18	2.73	4.54	12.68	10.37	6.38
2016.....	6.34	2.83	4.26	11.61	10.67	5.48
2017p.....	6.97	2.86	4.04	12.44	11.20	4.05

Note: Average unit (farm) values are estimated using grade distributions, quantities delivered (marketed) and final prices reported for the year. The prices produced are weighted according to these variables.

Source: Statistics Canada; Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 81: Alberta Wheat Crop by Type - Area, Yield and Production, 2008-2017

	Seeded Area	Yield Per Acre	Production
	'000 Acres	Bushels	'000 tonnes
All Wheat			
2008.....	6,930	46.9	8,736.2
2009.....	7,095	40.9	7,440.7
2010.....	6,580	46.9	8,201.3
2011.....	6,728	49.1	8,839.6
2012r.....	6,570	47.4	8,368.8
2013r.....	7,240	58.1	11,329.0
2014r.....	6,885	51.1	9,372.8
2015r.....	6,980	45.4	8,290.0
2016r.....	7,024	58.1	10,106.7
2017p.....	7,080	52.6	9,980.1
Spring Wheat			
2008.....	5,700	47.3	7,272.0
2009.....	5,875	41.1	6,180.6
2010.....	6,020	46.8	7,515.5
2011.....	5,972	49.5	7,957.8
2012r.....	5,825	47.4	7,429.9
2013r.....	6,440	58.5	10,169.6
2014r.....	6,095	51.4	8,369.1
2015r.....	5,910	46.9	7,247.6
2016r.....	5,729	58.8	8,204.4
2017p.....	5,860	55.5	8,720.0
Durum Wheat			
2008.....	930	43.0	1,077.7
2009.....	930	40.6	993.4
2010.....	360	44.3	421.8
2011.....	536	43.0	620.5
2012r.....	600	45.2	732.1
2013r.....	620	52.0	870.9
2014r.....	580	45.6	707.6
2015r.....	890	34.5	816.5
2016r.....	1,102	53.6	1,583.9
2017p.....	1,090	36.7	1,083.2
Winter Wheat			
2008.....	270	52.6	386.5
2009.....	260	37.7	266.7
2010.....	175	55.4	264.0
2011.....	196	53.3	261.3
2012r.....	130	58.5	206.8
2013r.....	170	68.4	288.5
2014r.....	185	58.8	296.1
2015r.....	160	51.9	225.9
2016r.....	179	65.4	318.4
2017p.....	105	61.9	176.9

Source: Statistics Canada, Table 32-10-0359-01 ; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 82: Alberta Summerfallow Area by Census Division, 2010-2017

C.D.	2010	2011	2012	2013	2014	2015r	2016r	2017p
'000 Acres								
1	362.7	272.6	210.8	152.1	146.2	81.3	81.7	51.1
2	205.6	184.3	131.4	98.2	94.3	70.8	88.5	29.9
3	68.2	25.9	8.3	5.3	5.1	3.5	0.0	0.0
4	381.7	394.0	303.8	263.3	253.1	180.3	201.4	148.2
5	200.3	138.8	102.6	79.3	76.2	35.5	23.7	21.5
6 & 15	40.4	24.6	10.9	11.3	10.9	5.0	7.5	4.3
7	73.6	82.3	46.6	42.4	40.7	26.3	38.3	34.6
8	13.4	16.6	5.9	6.9	6.6	0.0	3.5	8.0
9	4.0	6.0	6.9	-	0.0	2.4	1.5	3.9
10	48.9	58.7	53.7	29.5	28.4	23.6	28.1	126.8
11	31.0	29.7	9.6	18.9	18.1	9.2	8.0	39.7
12	17.2	31.2	17.5	14.5	13.9	14.0	9.6	36.2
13	43.8	36.1	30.9	30.6	29.4	26.8	18.3	84.0
14	4.8	6.1	4.2	7.3	7.0	5.7	2.4	12.2
16	-	-	-	-	-	-	-	-
17	67.9	80.6	56.3	63.2	60.7	51.4	37.2	71.1
18	12.8	14.3	12.6	8.0	7.7	5.9	8.2	17.6
19	73.7	73.1	87.6	66.8	64.2	32.1	29.9	138.1
Province	1,600.0	1,306.7	950.0	900.0	865.0	575.0	590.0	830.0

Note: Unavailable numbers may not be zero, therefore totals may not add up.

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 85: Durum Wheat Acreage and Production for Alberta Census Divisions, 2008-2017

C.D.	2008	2009	2010	2011	2012r	2013r	2014r	2015r	2016r	2017p
Seeded Acres - '000										
1	295.8	320.0	96.7	149.8	193.4	200.6	187.7	291.5	368.0	357.0
2	295.5	325.0	150.3	187.9	228.5	196.7	184.0	305.4	403.6	374.1
3	73.0	53.1	10.6	22.2	22.2	44.4	41.5	36.8	48.8	45.0
4	111.5	64.4	40.4	71.5	83.9	112.3	105.1	133.1	167.3	163.0
5	128.2	136.9	46.6	51.3	57.2	56.3	52.7	92.8	88.7	113.6
6 & 15	11.1	8.0	-	9.7	-	-	-	-	-	-
7	-	-	-	8.1	-	-	-	-	-	-
8	-	-	-	3.3	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	-	-	-	14.0	-	-	-	-	-	-
11	-	-	-	7.6	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	3.2	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-
17	-	-	-	3.5	-	-	-	-	-	-
18	-	-	-	2.8	-	-	-	-	-	-
19	-	-	-	5.1	-	-	-	-	-	-
Province	930.0	930.0	360.0	536.0	600.0	620.0	580.0	890.0	1,101.5	1,090.0
Yield per Acre - Bushels										
1	42.4	43.8	48.4	54.7	44.8	50.1	43.9	30.9	55.1	32.8
2	46.8	41.0	45.4	40.8	49.4	56.5	49.6	39.9	55.3	42.4
3	44.5	43.0	42.0	-	43.0	57.5	50.4	51.9	51.5	55.2
4	34.7	35.4	31.4	42.6	41.0	47.0	41.2	21.5	47.0	22.9
5	43.6	33.9	46.8	57.7	40.2	50.3	44.1	40.3	53.8	42.9
6 & 15	37.5	35.7	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
Province	43.0	40.6	44.3	43.0	45.2	52.0	45.6	34.5	53.6	36.7
Production - '000 tonnes										
1	336.8	374.1	126.1	219.7	233.8	272.4	221.4	239.7	542.7	318.0
2	374.1	357.3	176.7	203.1	305.2	298.7	242.7	329.6	605.1	437.3
3	88.3	60.6	11.2	-	25.8	67.3	54.7	51.8	68.3	68.8
4	105.3	55.2	33.9	82.3	93.3	143.5	116.6	71.9	208.9	95.4
5	145.0	120.0	58.9	79.8	62.2	76.9	62.5	101.5	125.7	134.7
6 & 15	11.3	7.8	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
Province	1,077.7	993.4	421.8	620.5	732.1	870.9	707.6	816.5	1,583.9	1,083.2

Note: Unavailable numbers may not be zero, therefore totals may not add up.

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 87: Oats (1) Acreage and Production for Alberta Census Divisions, 2008-2017

C.D.	2008	2009	2010	2011	2012r	2013r	2014r	2015r	2016r	2017p
Harvested Acres - '000										
1	6.4	3.2	3.3	4.2	2.7	3.4	3.8	-	-	-
2	3.9	-	4.4	9.5	3.2	2.7	3.0	4.3	3.5	5.1
3	7.4	3.4	2.8	4.1	4.1	0.0	0.0	1.7	2.9	2.1
4	26.6	7.4	20.3	24.3	12.5	14.6	16.2	10.1	15.4	12.0
5	7.3	3.8	10.0	13.6	6.7	6.0	6.6	4.7	3.1	5.5
6 & 15	15.5	4.5	20.0	14.7	16.1	11.4	12.6	7.4	9.0	8.7
7	52.0	22.3	61.5	53.1	49.2	50.2	55.7	23.0	36.1	27.2
8	19.7	10.9	27.3	19.2	19.0	14.5	16.1	7.5	11.7	8.9
9	3.6	4.6	5.7	-	4.5	5.3	5.9	4.3	2.5	5.1
10	63.3	41.4	53.7	55.9	63.3	59.0	65.5	49.0	54.3	57.8
11	48.1	26.9	53.0	46.6	37.6	51.8	57.5	30.2	38.2	35.7
12	55.8	25.2	35.9	33.4	34.6	31.4	34.8	24.9	41.6	29.3
13	55.6	41.8	73.7	61.8	60.0	54.1	60.0	46.9	57.8	55.4
14	8.0	4.6	7.4	12.8	7.4	3.8	4.3	12.2	7.8	14.5
16	-	-	-	-	-	-	-	-	-	-
17	60.5	44.6	70.7	75.9	47.4	51.0	56.6	63.9	87.2	75.4
18	22.0	7.0	17.2	16.0	19.5	13.8	15.3	9.3	7.6	11.0
19	44.2	46.7	63.0	67.9	44.3	34.8	38.6	57.7	48.9	68.2
Province	500.0	300.0	530.0	585.0	432.0	410.0	455.0	360.0	430.0	425.0
Yield per Acre - Bushels										
1	47.3	69.3	81.8	49.4	79.1	66.9	54.4	-	-	-
2	75.2	-	85.6	26.1	91.0	101.0	82.1	90.0	87.7	118.0
3	53.6	82.5	82.7	80.0	70.7	-	-	73.6	109.5	96.6
4	43.7	43.1	61.7	46.9	54.5	63.7	51.8	47.6	76.9	62.4
5	79.8	63.9	89.9	72.2	78.5	87.5	71.1	64.6	82.3	84.7
6 & 15	87.4	75.1	89.4	87.1	83.3	100.1	81.4	102.5	92.7	134.4
7	56.4	51.1	77.9	73.7	74.0	79.2	64.4	64.6	89.0	84.7
8	93.1	79.1	95.7	94.9	83.5	102.8	83.6	93.6	111.2	122.8
9	68.9	60.1	83.7	-	63.0	64.0	52.0	73.9	92.7	96.9
10	71.8	57.1	82.0	88.6	84.9	97.3	79.2	90.7	101.7	119.0
11	77.1	67.1	88.7	83.8	77.7	108.6	88.3	77.4	102.5	101.6
12	78.0	70.4	87.1	75.2	78.3	98.6	80.2	75.6	100.0	99.1
13	77.6	66.1	89.2	89.6	94.3	96.3	78.3	72.6	99.7	95.3
14	83.6	84.1	91.1	50.8	65.1	78.5	63.9	60.0	82.8	78.7
16	-	-	-	-	-	-	-	-	-	-
17	71.9	79.0	77.5	97.9	62.5	99.7	81.1	48.9	77.5	64.2
18	60.8	62.8	42.9	101.6	73.5	80.2	65.2	69.1	77.7	90.7
19	61.5	67.0	53.4	87.3	69.6	104.7	85.2	72.4	107.4	95.1
Province	70.2	66.7	79.2	81.9	77.8	95.1	77.4	70.8	94.2	92.9
Production - '000 tonnes										
1	4.7	3.4	4.2	3.2	3.2	3.5	3.2	-	-	-
2	4.5	-	5.8	3.8	4.5	4.2	3.8	6.0	4.7	9.2
3	6.1	4.3	3.6	5.1	4.5	-	-	2.0	4.9	3.1
4	17.9	4.9	19.3	17.6	10.5	14.4	13.0	7.4	18.3	11.5
5	9.0	3.7	13.9	15.2	8.1	8.1	7.3	4.7	4.0	7.2
6 & 15	20.9	5.2	27.5	19.7	20.7	17.6	15.9	11.6	12.8	18.0
7	45.2	17.6	73.9	60.4	56.1	61.3	55.3	22.9	49.6	35.5
8	28.3	13.3	40.2	28.1	24.4	23.0	20.8	10.8	20.0	16.8
9	3.9	4.3	7.4	4.3	4.4	5.3	4.7	4.9	3.6	7.7
10	70.1	36.4	68.0	76.5	82.9	88.7	80.0	68.5	85.2	106.1
11	57.2	27.8	72.6	60.3	45.1	86.8	78.3	36.1	60.4	55.9
12	67.1	27.3	48.2	38.7	41.8	47.7	43.0	29.0	64.2	44.9
13	66.5	42.6	101.4	85.4	87.3	80.4	72.5	52.6	89.0	81.5
14	10.3	6.0	10.4	10.0	7.5	4.6	4.2	11.3	9.9	17.6
16	-	-	-	-	-	-	-	-	-	-
17	67.1	54.3	84.6	114.7	45.7	78.4	70.8	48.2	104.2	74.7
18	20.6	6.8	11.4	25.1	22.1	17.1	15.4	10.0	9.2	15.4
19	41.9	48.2	51.9	91.4	47.6	56.2	50.8	64.5	80.9	99.9
Province	541.3	308.4	647.7	738.7	518.2	601.5	542.9	393.3	624.6	609.2

Note: Unavailable numbers may not be zero, therefore totals may not add up.

(1) Oats for Grain.

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 90: Alberta Special Crops - Area, Yield, Production and Price, 2008-2017

	Harvested Area	Yield	Production	Average Value
	Acres	Per Acre	tonnes	\$/Unit
Corn for Grain				
2008.....	15,000	93.3 bu.	35,600	5.15 /bu.
2009.....	15,000	113.3 bu.	43,200	4.69 /bu.
2010.....	-	-	-	4.06 /bu.
2011.....	15,000	93 bu.	35,600	5.08 /bu.
2012.....	15,000	93.3 bu.	35,600	5.08 /bu.
2013.....	20,000	130.0 bu.	66,000	5.53 /bu.
2014r.....	35,000	102.9 bu.	91,400	4.03 /bu.
2015r.....	32,000	107.8 bu.	87,600	4.29 /bu.
2016r.....	30,000	128.7 bu.	98,000	4.46 /bu.
2017p.....	45,000	133.8 bu.	152,900	4.10 /bu.
Dry Peas				
2008.....	700,000	38.4 bu.	731,400	303.54 /tonne
2009.....	750,000	32.7 bu.	666,700	227.64 /tonne
2010.....	925,000	39.0 bu.	982,500	197.85 /tonne
2011.....	695,000	42.6 bu.	805,600	282.23 /tonne
2012.....	1,060,000	41.9 bu.	1,208,400	296.15 /tonne
2013r.....	1,030,000	47.1 bu.	1,321,300	311.18 /tonne
2014r.....	1,335,000	40.6 bu.	1,475,100	259.48 /tonne
2015r.....	1,480,000	32.6 bu.	1,314,500	301.69 /tonne
2016.....	1,810,000	46.1 bu.	2,271,200	331.92 /tonne
2017p.....	1,790,000	40.9 bu.	1,991,500	291.26 /tonne
Dry Beans				
2008.....	35,000	22.0 cwt.	34,900	35.11 /cwt.
2009.....	58,000	20.9 cwt.	55,100	34.26 /cwt.
2010.....	40,000	17.4 cwt.	31,500	30.55 /cwt.
2011.....	41,000	23.7 cwt.	44,000	33.34 /cwt.
2012.....	43,000	22.9 cwt.	44,700	41.96 /cwt.
2013.....	40,000	26.5 cwt.	48,100	36.91 /cwt.
2014.....	53,000	27.5 cwt.	66,000	37.64 /cwt.
2015.....	38,000	27.8 cwt.	47,900	37.42 /cwt.
2016r.....	57,000	23.8 cwt.	61,600	37.77 /cwt.
2017p.....	50,000	27.1 cwt.	61,500	35.00 /cwt.
Lentils				
2008.....	-	-	-	-
2009.....	50,000	1,476 lbs.	33,400	545.56 /tonne
2010.....	102,000	1,774 lbs.	82,000	618.18 /tonne
2011.....	97,775	1,715 lbs.	76,000	502.77 /tonne
2012.....	83,000	1,807 lbs.	68,100	439.14 /tonne
2013.....	95,000	2,558 lbs.	110,300	435.99 /tonne
2014.....	108,000	1,724 lbs.	84,400	475.62 /tonne
2015.....	283,000	1,237 lbs.	176,400	742.15 /tonne
2016r.....	458,000	2,175 lbs.	451,800	750.19 /tonne
2017p.....	483,000	1,207 lbs.	264,400	575.92 /tonne
Mustard Seed				
2008.....	100,000	820 lbs.	37,200	879.57 /tonne
2009.....	115,000	915 lbs.	47,700	850.16 /tonne
2010.....	100,000	1,052 lbs.	47,700	630.51 /tonne
2011.....	62,500	949 lbs.	26,800	598.82 /tonne
2012.....	93,000	850 lbs.	35,900	665.08 /tonne
2013.....	92,000	892 lbs.	37,200	783.30 /tonne
2014.....	133,000	985 lbs.	59,400	-
2015.....	88,000	800 lbs.	31,900	-
2016r.....	132,000	1,224 lbs.	73,300	-
2017p.....	93,000	642 lbs.	27,100	-

Source: Statistics Canada, Table 32-10-0359-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 90 (Cont'd.): Alberta Special Crops - Area, Yield, Production and Price, 2008-2017

	Harvested Area	Yield	Production	Average Value
	Acres	Per Acre	tonnes	\$/Unit
Triticale				
2008.....	14,000	54.6 bu.	19,400	-
2009.....	10,000	50.0 bu.	12,700	-
2010.....	25,000	60.0 bu.	38,100	-
2011.....	18,000	47.2 bu.	21,600	-
2012r.....	17,000	44.1 bu.	19,100	-
2013r.....	13,000	51.2 bu.	16,900	-
2014r.....	15,000	46.0 bu.	17,500	-
2015r.....	10,000	57.0 bu.	14,500	-
2016r.....	20,000	59.5 bu.	30,200	-
2017p.....	15,000	60.8 bu.	23,200	-
Potatoes				
2008.....	52,000	336.0 cwt.	792,530	11.14 /cwt.
2009.....	49,700	322.0 cwt.	725,896	10.89 /cwt.
2010.....	45,000	314.0 cwt.	640,937	10.70 /cwt.
2011.....	50,100	328.0 cwt.	745,401	11.25 /cwt.
2012.....	54,695	341.8 cwt.	848,005	11.12 /cwt.
2013.....	51,083	357.0 cwt.	827,094	10.35 /cwt.
2014.....	51,742	361.2 cwt.	847,764	11.10 /cwt.
2015.....	50,142	384.3 cwt.	874,072	12.24 /cwt.
2016.....	51,577	388.0 cwt.	907,729	12.11 /cwt.
2017p.....	52,490	390.7 cwt.	930,182	12.60 /cwt.
Fodder Corn				
2008.....	40,000	15.8 tons	571,500	-
2009.....	70,000	17.4 tons	1,102,200	-
2010.....	50,000	15.0 tons	680,400	-
2011.....	85,000	18.0 tons	1,388,000	-
2012r.....	78,000	16.1 tons	1,138,500	-
2013r.....	100,000	17.1 tons	1,551,300	-
2014r.....	85,000	16.2 tons	1,251,900	-
2015r.....	95,000	16.1 tons	1,388,000	-
2016r.....	100,000	20.0 tons	1,814,400	-
2017p.....	90,000	19.2 tons	1,564,900	-

Note: Potato prices from 2013 on are estimated.

Source: Statistics Canada, Tables 32-10-0359-01 and 32-10-0358-01 ; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 91: Provincial and Regional Dryland 5-year Yield Index Estimates, 2011- 2017

	2011	2012	2013	2014	2015	2016	2017
	Yield (Bushel/Acre)						
Provincial							
Spring Wheat.....	45.7	44.8	52.6	46.5	40.2	53.3	47.8
Durum Wheat.....	41.6	39.8	52.1	46.0	36.3	47.1	35.8
Winter Wheat.....	43.5	45.1	48.7	49.9	42.2	51.1	42.3
Barley.....	64.0	61.5	72.5	67.6	58.3	72.7	60.4
Oats.....	76.1	73.5	86.7	81.3	65.5	81.8	77.0
Canola.....	36.9	34.4	43.4	38.7	35.0	43.7	39.2
Dry Peas.....	40.9	41.9	51.0	44.7	35.0	43.6	39.3
5-year Yield Index.....	113.1%	107.6%	126.0%	110.3%	88.3%	114.1%	97.4%
Southern Region							
Spring Wheat.....	43.2	42.6	49.8	43.8	37.3	46.5	35.2
Durum Wheat.....	44.9	43.4	52.1	46.7	37.0	46.8	34.3
Winter Wheat.....	48.6	49.9	52.5	51.5	43.7	51.4	42.5
Barley.....	61.1	62.3	69.6	63.9	55.2	66.3	41.8
Oats.....	67.1	67.1	71.6	62.5	60.9	70.1	41.1
Canola.....	41.4	37.3	42.7	38.7	31.0	42.5	26.8
Dry Peas.....	42.7	47.0	48.2	44.5	33.4	40.1	30.2
5-year Yield Index*.....	115.3%	112.9%	117.2%	102.8%	82.0%	106.3%	73.4%
Central Region							
Spring Wheat.....	43.7	42.3	55.1	44.3	41.7	55.7	49.7
Durum Wheat.....	38.3	35.2	55.8	41.0	32.2	49.0	44.8
Winter Wheat.....	44.3	43.1	48.5	41.4	37.5	47.1	40.8
Barley.....	70.0	63.5	74.5	64.7	62.5	77.1	67.4
Oats.....	80.7	71.3	84.0	72.3	65.2	82.9	72.3
Canola.....	39.7	36.2	46.1	37.7	37.7	49.2	40.3
Dry Peas.....	41.0	40.9	52.4	44.8	35.0	47.5	44.6
5-year Yield Index*.....	121.8%	110.5%	136.3%	105.3%	93.2%	120.5%	100.2%
North East Region							
Spring Wheat.....	43.2	46.3	49.7	50.6	41.8	57.4	54.8
Winter Wheat.....	68.1	62.2	77.8	75.0	56.6	78.1	74.2
Barley.....	78.1	76.9	85.5	85.1	63.9	84.6	83.5
Oats.....	41.8	40.9	39.3	49.0	28.0	57.5	42.5
Canola.....	35.6	30.9	45.6	42.1	36.9	44.9	43.0
Dry Peas.....	39.4	38.5	47.8	47.4	36.0	45.5	45.4
5-year Yield Index*.....	109.2%	102.3%	117.9%	115.7%	88.7%	119.1%	108.6%
North West Region							
Spring Wheat.....	55.0	53.3	58.8	58.4	49.9	63.1	60.6
Barley.....	65.0	60.4	78.2	76.6	59.8	74.4	68.9
Oats.....	78.2	73.2	100.0	92.9	71.8	89.9	84.3
Canola.....	39.3	39.3	47.5	46.1	41.4	45.5	43.4
Dry Peas.....	46.7	46.1	53.2	48.1	40.5	49.2	45.6
5-year Yield Index*.....	111.4%	100.5%	123.2%	113.2%	90.5%	109.6%	101.2%
Peace Region							
Spring Wheat.....	42.7	39.3	48.8	39.2	33.6	47.1	43.7
Barley.....	54.6	58.8	61.5	61.9	53.0	58.3	56.5
Oats.....	72.3	77.4	86.2	76.9	61.6	69.6	75.0
Canola.....	27.8	27.4	34.5	30.2	28.6	35.6	40.5
Dry Peas.....	35.0	37.5	52.8	39.8	36.7	45.3	47.9
5-year Yield Index*.....	110.2%	110.9%	136.5%	109.4%	94.2%	116.1%	117.4%

* 5-year yield index compares each year yields to their last 5-year averages in general

Source: Alberta Crop Reporting Program, Alberta Agriculture and Forestry

Table 92: Estimated Crop Quality for Major Crops in Alberta, 2011- 2017

	2011	2012	2013	2014	2015	2016	2017
	Quality (%)						
Canada Western Red Spring (CWRS) Wheat							
No. 1 CWRS.....	48.3	60.6	59.1	32.6	44.5	23.8	54.1
No. 2 CWRS.....	25.1	23.7	33.0	31.7	31.8	42.4	32.1
No. 3 CWRS.....	14.3	10.3	5.9	23.9	13.8	17.5	9.9
Feed Grade.....	12.3	5.4	2.0	11.8	9.9	16.3	3.9
Top Two Grades	73.4	84.3	92.1	64.3	76.3	66.2	86.2
Canada Western Amber Durum (CWAD) Wheat							
No. 1 CWAD.....	48.5	70.8	38.7	12.1	51.6	22.5	57.8
No. 2 CWAD.....	34.6	21.7	41.3	35.8	29.3	31.7	27.2
No. 3 CWAD.....	11.6	6.8	13.7	34.8	11.2	26.1	12.8
No. 4 CWAD.....	4.5	0.5	3.9	11.3	3.9	12.8	1.5
No. 5 CWAD.....	0.7	0.3	2.3	6.0	3.9	6.9	0.6
Top Two Grades	83.1	92.5	80.0	47.9	80.9	54.2	85.0
Canada Western (CW) Barley							
Malting Barley.....	18.5	16.7	25.2	14.8	13.0	22.6	24.9
No. 1 CW.....	70.2	62.7	69.6	66.2	64.6	59.9	58.1
No. 2 CW.....	10.2	15.1	5.2	16.8	20.9	14.0	13.6
Feed Grade.....	1.1	5.5	0.0	2.2	1.5	3.5	3.4
Top Two Grades	88.7	79.4	94.8	81.0	77.6	82.5	83.0
Canada Western (CW) Oats							
No. 1 CW.....	47.3	51.2	49.7	35.0	34.8	28.6	31.0
No. 2 CW.....	33.8	30.2	39.6	45.4	22.8	29.4	22.8
No. 3 CW.....	18.2	17.8	10.7	16.7	39.4	36.2	45.4
Other Grades.....	0.7	0.8	0.0	3.0	3.0	5.8	0.8
Top Two Grades	81.1	81.4	89.3	80.4	57.6	58.0	53.8
Canada (CAN) Canola							
No. 1 CAN.....	78.4	81.4	89.3	75.7	80.3	81.5	87.3
No. 2 CAN.....	12.4	12.6	7.9	15.1	12.8	13.5	10.1
No. 3 CAN.....	6.1	4.3	2.1	6.3	5.2	3.7	2.4
Sample Canola.....	3.1	1.7	0.7	2.9	1.8	1.2	0.2
Top Two Grades	90.8	94.0	97.2	90.8	93.1	95.0	97.4
Canada (CAN) Peas							
No. 1 CAN.....	26.7	29.7	31.1	36.7	38.2	23.5	30.1
No. 2 CAN.....	41.2	41.5	47.5	37.5	36.2	49.3	57.1
No. 3 CAN.....	25.5	23.6	18.1	20.0	21.0	21.8	11.3
Feed Grade.....	6.6	5.2	3.3	5.7	4.6	5.4	1.5
Top Two Grades	67.9	71.2	78.6	74.2	74.4	72.8	87.2

Source: Alberta Crop Reporting Program, Alberta Agriculture and Forestry

Table 93: Non-Board Feed Grain Prices, 2006-07 to 2016-17

	Lethbridge			Calgary		Red Deer		
	Wheat	Oats	Barley	Wheat	Barley	Wheat	Oats	Barley
	\$/tonne							
2006-07.....	157.38	142.43	157.94	-	145.47	146.30	140.40	142.56
2007-08.....	233.90	183.61	208.26	-	196.41	214.82	-	197.51
2008-09.....	198.34	168.19	176.59	180.70	171.46	179.89	-	170.19
2009-10.....	161.32	153.39	152.55	158.36	148.28	151.54	-	142.60
2010-11.....	192.57	188.60	188.51	187.05	180.90	-	-	-
2011-12.....	227.06	181.23	226.20	222.88	221.03	219.70	173.25	213.13
2012-13.....	290.24	221.97	278.92	290.93	273.10	291.75	208.93	266.03
2013-14.....	192.28	179.97	187.24	191.84	179.70	191.16	173.57	172.55
2014-15.....	200.54	174.71	200.76	197.79	194.84	197.84	170.12	187.57
2015-16.....	227.45	201.98	212.64	202.38	205.00	220.70	179.84	200.98
2016-17p.....	190.56	183.53	171.00	172.65	159.98	187.12	173.50	160.75

	Edmonton			Peace River/ Grande Prairie			Vermilion
	Wheat	Oats	Barley	Wheat	Oats	Barley	Barley
	\$/tonne						
2006-07.....	135.00	-	130.09	138.94	128.38	129.71	132.27
2007-08.....	212.88	-	188.82	203.74	153.77	171.11	183.51
2008-09.....	185.95	-	160.99	186.02	148.44	143.70	147.30
2009-10.....	154.68	-	138.80	155.98	144.37	123.93	125.26
2010-11.....	183.49	150.61	168.81	197.54	181.48	160.14	150.02
2011-12.....	216.36	164.74	203.47	192.74	165.51	180.11	201.03
2012-13.....	290.64	208.80	259.47	265.06	190.77	226.00	258.56
2013-14.....	190.01	173.68	162.36	165.53	141.92	131.63	166.27
2014-15.....	195.76	169.74	178.46	166.52	139.59	152.07	183.00
2015-16p.....	218.58	189.62	197.73	196.45	173.66	173.53	182.83
2016-17p.....	184.66	174.83	156.57	162.08	163.56	137.56	143.12

Source: Alberta Grain Commission; and Alberta Canola Producers Commission

Table 94: Greenhouse Industry, Alberta and Canada, 2009-2017

	2009	2010	2011r	2012r	2013r	2014r	2015r	2016r	2017p
Alberta									
Total Area ('000 sq. ft.).....	11,087	12,152	12,883	12,862	13,150	13,520	13,433	12,203	12,273
Total Sales (\$'000).....	112,485	115,641	115,357	123,905	124,860	138,750	132,439	132,928	134,506
Canada									
Total Area ('000 sq. ft.).....	240,667	242,501	249,143	253,342	259,623	255,984	259,055	266,292	271,588
Total Sales (\$'000).....	2,379,194	2,445,788	2,498,665	2,440,896	2,637,791	2,698,928	2,801,896	2,841,335	2,927,072
Alberta as a % of Canada									
Total Area.....	4.6	5.0	5.2	5.1	5.1	5.3	5.2	4.6	4.5
Total Sales.....	4.7	4.7	4.6	5.1	4.7	5.1	4.7	4.7	4.6

Source: Statistics Canada, Tables 32-10-0018-01 and 32-10-0023-01

Table 95: Sugar Beet Industry, Alberta, 2010-2017

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Contracted (acres).....	30,379	33,598	30,528	24,948	22,053	21,675	28,308	26,906
Planted (acres).....	31,109	33,672	30,527	24,425	22,404	21,836	28,694	27,005
Harvested (acres).....	30,360	33,307	30,306	24,127	22,385	21,836	28,644	26,940
Production (tonnes).....	573,640	784,500	827,434	668,087	638,099	584,560	821,459	876,929
Avg. Yield (tonnes/acre).....	18.90	28.45	27.30	27.69	28.51	26.77	28.68	32.55
Market Price								
Beets (\$/tonne).....	53.12	53.52	55.10	50.74	52.69	58.14	55.49	55.49
Sugar Content % (1).....	18.59	19.35	19.30	18.53	19.07	19.64	19.31	19.23

(1) Factory sugar content.

Source: Alberta Sugar Beet Growers; and Statistics Canada, CANSIM Database Table Number 32-10-0359-01

Table 96: Major Commercial Vegetable Production, Alberta, 2010-2017

	2010	2011r	2012r	2013r	2014r	2015r	2016r	2017p
Harvested Area - Acres								
Beans, Green or Wax.....	-	-	160	153	169	176	167	-
Cabbage.....	379	448	-	435	407	342	321	351
Carrots.....	249	323	341	-	390	454	368	404
Corn, Sweet.....	3,282	4,007	3,017	3,367	3,062	2,760	2,457	2,065
Cucumbers.....	41	102	98	98	102	102	-	82
Dry Onions.....	-	-	-	544	999	-	969	-
Green Peas.....	2,414	3,037	3,153	2,873	3,105	3,348	3,316	3,277
Total Area.....	6,365	7,917	6,769	7,470	8,234	7,182	7,598	6,179
Production - tonnes								
Beans, Green or Wax.....	-	-	211	205	217	219	233	-
Cabbage.....	3,774	3,043	2,527	3,519	4,669	4,405	4,022	4,027
Carrots.....	1,528	2,244	2,357	-	-	-	2,394	3,243
Corn, Sweet.....	13,440	12,727	12,793	13,069	15,039	14,114	15,012	15,956
Cucumbers.....	36	168	138	313	326	261	-	210
Dry Onions.....	-	-	-	6,070	19,115	-	17,661	-
Green Peas.....	2,590	3,713	4,211	3,432	4,701	5,271	4,569	4,309
Total Production.....	21,368	21,895	22,237	26,608	44,067	24,270	43,891	27,745
Total Value - \$'000								
Beans, Green or Wax.....	622	-	301	451	430	548	612	-
Cabbage.....	1,936	1,915	1,842	2,246	3,388	3,853	3,445	-
Carrots.....	1,811	2,704	2,872	-	5,247	5,924	3,679	4,805
Corn, Sweet.....	2,857	3,343	3,081	4,036	4,096	3,933	3,748	3,652
Cucumbers.....	104	486	461	623	1,058	909	-	916
Dry Onions.....	-	-	-	3,592	7,757	-	8,086	-
Green Peas.....	800	1,525	1,686	1,924	1,927	2,021	2,066	2,362
Total Value.....	8,130	9,973	10,243	12,872	23,903	17,188	21,636	11,735

Source: Statistics Canada, Table 32-10-0365-01; and Alberta Agriculture and Forestry, Statistics and Data Development Section

Table 97: Alberta Forage Seed Crops Inspected for Pedigree Status, 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017p
Acres										
Alfalfa.....	17,600	18,235	21,265	20,028	21,953	24,916	27,602	36,985	46,630	51,704
Bromegrass.....	9,515	7,904	5,958	4,557	3,277	3,639	3,315	3,495	5,932	6,228
Clover.....	1,962	1,300	1,303	1,620	1,936	1,693	1,285	1,536	2,034	3,717
Fescue.....	14,492	11,091	9,640	6,587	6,641	6,897	4,952	8,016	11,631	10,326
Ryegrass.....	108	36	201	264	300	270	-	680	550	1,562
Timothy.....	13,094	11,360	9,226	8,486	12,157	15,633	16,272	15,966	12,854	10,063
Wheatgrass.....	4,425	4,479	5,359	4,653	3,495	2,516	3,215	3,349	4,100	4,647

Source: Canadian Seed Growers Association

Table 98: Alberta Pedigreed Acres, 2008-2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017p
Acres										
Wheat.....	66,035	67,825	77,658	90,125	84,014	97,055	68,003	78,516	84,789	92,545
Oats.....	3,229	4,005	7,548	6,951	4,467	5,933	4,264	5,724	7,352	5,001
Barley.....	50,226	49,703	44,396	59,750	58,161	55,777	43,555	49,538	50,378	42,273
Other Cereals.....	1,822	2,294	2,626	2,944	2,148	4,075	5,384	3,425	5,249	3,101
Flax.....	2,511	2,818	4,170	4,604	2,705	5,168	7,493	8,363	4,589	4,996
Oilseeds.....	63,051	48,479	49,989	58,510	60,901	68,167	55,254	47,123	56,860	52,708
Special Crops.....	21,095	22,614	26,686	23,256	26,912	33,972	38,738	41,860	51,127	56,165

Source: Canadian Seed Growers Association

Table 99: Municipal Co-Operative Seed Cleaning in Alberta, 2007-08 to 2016-17

	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17p
Bushels										
Total Seed.....	25,193,714	26,387,763	26,305,396	26,735,092	29,480,516	30,977,284	32,074,607	31,520,747	34,113,143	33,362,945
Farm- Saved Seed.....	21,532,489	22,920,796	23,201,499	22,947,425	24,824,359	26,169,533	27,242,291	27,061,215	29,441,886	27,513,987
Pedigree Seed.....	3,661,225	3,466,967	3,103,897	3,787,667	4,656,157	4,807,751	4,832,316	4,458,772	5,160,636	6,254,531
Dockage Removed.....	3,124,242	5,186,168	4,417,341	6,278,109	12,782,393	5,643,648	7,519,974	6,489,825	6,631,421	9,946,313
Cleaning										
Total.....	27,878,323	31,573,931	30,722,737	33,013,201	42,262,909	36,620,932	39,594,581	38,010,572	41,046,486	43,833,910
Per Plant Average.....	388,000	471,000	445,000	472,000	604,000	530,738	590,964	567,322	612,634	654,237
Treated Seed.....	2,020,647	2,174,138	2,011,883	2,132,741	2,341,645	2,689,893	2,603,611	2,670,735	2,628,504	2,545,793

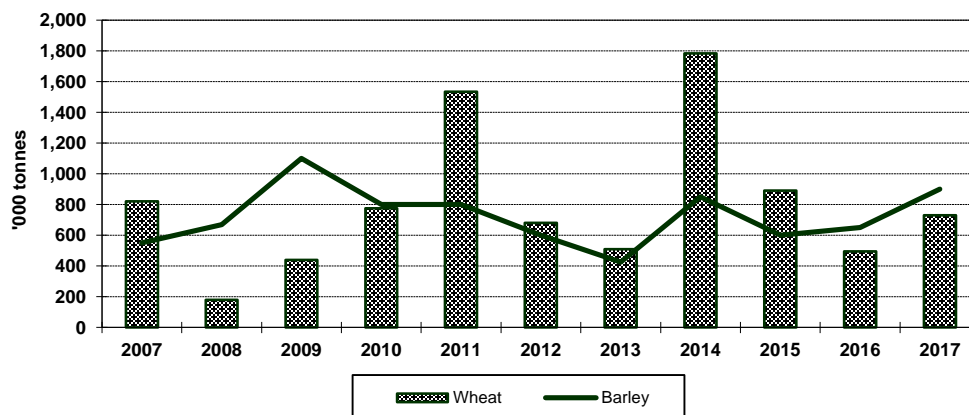
Source: Association of Alberta Co-Op Seed Cleaning Plants

Table 100: Stocks of Grain on Alberta Farms on July 31, 1980-2017

	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola
	'000 tonnes					
1980.....	680	232	500	56	2	120
1981.....	355	230	610	20	10	170
1982.....	1,010	230	1,070	38	3	34
1983.....	500	350	1,560	60	8	15
1984.....	480	200	570	30	3	3
1985.....	260	180	450	35	7	30
1986.....	200	170	400	35	2	85
1987.....	930	450	700	40	10	70
1988.....	550	350	1,200	60	0	40
1989.....	220	250	600	40	0	190
1990.....	245	400	550	40	5	100
1991.....	320	350	750	25	30	50
1992.....	750	200	850	10	30	120
1993.....	850	220	850	10	5	30
1994.....	1,195	390	1,050	10	0	20
1995.....	215	300	600	15	0	70
1996.....	320	150	475	5	10	200
1997.....	600	250	900	5	5	90
1998.....	315	250	800	5	0	40
1999.....	300	350	1,100	20	10	130
2000.....	440	400	1,150	30	15	450
2001.....	570	280	850	15	5	190
2002.....	490	120	750	10	0	150
2003.....	280	100	450	0	5	100
2004.....	400	300	750	5	0	50
2005.....	800	275	1,200	35	0	300
2006.....	1,440	320	1,330	50	25	350
2007.....	820	180	550	25	33	250
2008.....	180	225	670	10	2	165
2009.....	440	300	1,100	25	15	335
2010.....	775	205	800	30	10	250
2011.....	1,535	300	800	10	5	250
2012.....	680	250	600	1	15	55
2013.....	510	140	425	1	1	65
2014.....	1,785	195	850	3	1	480
2015.....	890	150	600	8	5	500
2016r.....	495	130	650	12	17	300
2017p.....	730	255	900	30	15	180

Source: Statistics Canada, Table 32-10-0007-01

Fig. 35 Stocks of Wheat and Barley on Alberta Farms on July 31, 2007-2017



Source: Statistics Canada, Table 32-10-0007-01

**Table 101: Farm Supply and Disposition of Alberta Principal Field Crops,
2008-09 to 2016-17**

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17p
All Wheat - '000 tonnes									
Opening Stocks Aug. 1.....	180.0	440.0	775.0	1,535.0	680.0	510.0	1,785.0	890.0	495.0
Production.....	8,736.2	7,440.7	8,201.3	8,839.6	8,368.8	11,329.0	9,372.8	8,290.0	10,106.7
Total Supply.....	8,916.2	7,880.7	8,976.3	10,374.6	9,048.8	11,839.0	11,157.8	9,180.0	10,601.7
Marketings.....	7,663.5	6,324.8	6,379.4	7,838.1	7,603.7	8,722.8	8,893.3	8,072.3	8,584.9
Seed.....	279.7	258.8	264.8	256.5	282.3	267.1	269.5	264.2	278.5
Carryover.....	440.0	775.0	1,535.0	680.0	510.0	1,785.0	890.0	495.0	730.0
Feed/Waste/Dockage (1).....	533.0	522.1	797.1	1,599.9	652.8	1,064.1	1,105.0	348.5	1,008.3
Total Disposition.....	8,916.2	7,880.7	8,976.3	10,374.6	9,048.8	11,839.0	11,157.8	9,180.0	10,601.7
Barley - '000 tonnes									
Opening Stocks Aug. 1.....	670.0	1,100.0	800.0	800.0	600.0	425.0	850.0	600.0	650.0
Production.....	5,447.5	3,840.7	4,528.7	4,668.0	4,463.3	5,545.4	4,131.3	4,289.2	4,398.0
Total Supply.....	6,117.5	4,940.7	5,328.7	5,468.0	5,063.3	5,970.4	4,981.3	4,889.2	5,048.0
Marketings.....	1,473.7	745.8	1,337.0	1,212.7	1,821.8	1,763.2	1,771.7	1,272.2	1,200.8
Seed.....	134.1	126.3	122.2	127.6	123.6	108.4	113.4	108.4	96.5
Carryover.....	1,100.0	800.0	800.0	600.0	425.0	850.0	600.0	650.0	900.0
Feed/Waste/Dockage (1).....	3,409.8	3,268.6	3,069.4	3,527.7	2,692.9	3,248.8	2,496.1	2,858.6	2,850.7
Total Disposition.....	6,117.5	4,940.7	5,328.7	5,468.0	5,063.3	5,970.4	4,981.3	4,889.2	5,048.0
Oats - '000 tonnes									
Opening Stocks Aug. 1.....	225.0	300.0	205.0	300.0	250.0	140.0	195.0	150.0	130.0
Production.....	541.3	308.4	647.7	738.7	518.2	601.5	542.9	393.3	624.6
Total Supply.....	766.3	608.4	852.7	1,038.7	768.2	741.5	737.9	543.3	754.6
Marketings.....	154.9	163.7	235.3	658.0	202.9	199.6	201.1	184.1	158.2
Seed.....	27.0	30.0	28.5	20.5	18.5	21.4	21.4	23.0	22.1
Carryover.....	300.0	205.0	300.0	250.0	140.0	195.0	150.0	130.0	255.0
Feed/Waste/Dockage (1).....	284.4	209.6	288.9	110.2	406.8	325.4	365.4	206.2	319.3
Total Disposition.....	766.3	608.4	852.7	1,038.7	768.2	741.5	737.9	543.3	754.6
Canola - '000 tonnes									
Opening Stocks Aug. 1.....	165.0	335.0	250.0	250.0	55.0	65.0	480.0	500.0	300.0
Production.....	4,322.7	3,628.7	4,740.0	5,347.9	5,097.2	6,168.9	5,796.9	5,851.3	6,157.5
Total Supply.....	4,487.7	3,963.7	4,990.0	5,597.9	5,152.2	6,233.9	6,276.9	6,351.3	6,457.5
Marketings.....	4,094.8	3,532.4	4,573.0	5,476.9	4,889.8	5,488.9	5,566.5	5,890.0	6,166.7
Seed.....	14.6	16.2	17.7	19.3	18.1	19.7	18.1	17.4	20.2
Carryover.....	335.0	250.0	250.0	55.0	65.0	480.0	500.0	300.0	180.0
Feed/Waste/Dockage (1).....	43.3	165.1	149.3	46.8	179.3	245.3	192.3	143.9	90.5
Total Disposition.....	4,487.7	3,963.7	4,990.0	5,597.9	5,152.2	6,233.9	6,276.9	6,351.3	6,457.5

(1) Feed/Waste/Dockage is calculated as a residual.

Source: Statistics Canada, Table 32-10-0015-01

Table 102: Irrigation in Alberta by District, 2010-2017

	2010	2011	2012	2013	2014	2015	2016	2017p
Assessment Roll Acres								
Aetna.....	4,389	4,390	4,376	4,376	4,511	4,607	4,705	4,705
Bow River.....	233,925	234,014	234,327	241,604	254,909	258,114	259,792	260,008
Eastern.....	290,429	294,373	294,620	296,619	297,884	298,763	299,762	301,428
Leavitt.....	4,793	4,848	4,840	4,853	4,876	4,898	5,031	5,031
Lethbridge Northern.....	176,282	176,187	177,593	179,014	179,719	180,007	182,716	184,831
Magrath.....	18,300	18,300	18,300	18,300	18,300	18,300	18,300	18,300
Mountain View.....	3,700	3,617	3,616	3,698	3,698	3,711	3,733	3,647
Raymond.....	46,302	46,302	46,402	46,500	46,500	46,500	46,500	46,500
Ross Creek.....	1,101	1,101	1,101	1,101	1,101	1,101	1,101	1,091
St. Mary's River.....	373,018	374,408	373,835	380,371	388,039	390,497	393,034	395,991
Taber.....	82,728	82,773	82,750	82,822	83,263	83,584	84,045	84,431
United.....	34,370	34,382	34,382	34,393	34,395	34,391	34,383	34,386
Western.....	95,628	95,754	95,788	95,776	95,641	95,516	95,475	95,320
Total.....	1,364,965	1,370,449	1,371,930	1,389,427	1,412,836	1,419,989	1,428,577	1,435,669
Acres Actually Irrigated								
Aetna.....	150	2,961	2,797	3,285	1,611	1,611	2,467	2,467
Bow River.....	182,483	202,478	208,217	217,417	224,952	228,480	226,492	242,150
Eastern.....	284,127	294,569	294,748	295,923	297,015	297,930	299,336	301,309
Leavitt.....	0	4,714	4,625	1,736	1,736	1,736	3,863	3,863
Lethbridge Northern.....	176,393	175,683	177,593	178,697	179,296	179,625	182,160	184,565
Magrath.....	5,688	12,774	14,175	14,386	14,305	16,182	16,387	16,423
Mountain View.....	500	2,920	535	608	1,801	1,746	1,746	2,089
Raymond.....	17,481	37,163	39,560	39,839	37,511	43,378	43,743	45,183
Ross Creek.....	374	770	878	770	897	897	897	897
St. Mary's River.....	340,078	346,079	338,439	338,588	362,254	370,590	374,554	377,047
Taber.....	72,989	75,048	76,775	76,002	75,838	77,123	77,801	77,996
United.....	17,333	21,003	22,655	22,708	21,044	34,391	22,757	34,099
Western.....	48,700	42,270	52,483	49,791	60,587	67,800	65,735	68,131
Total.....	1,146,296	1,218,432	1,233,480	1,239,750	1,278,847	1,321,489	1,317,938	1,356,219

Source: Alberta Agriculture and Forestry, Irrigation and Farm Water Branch

Table 103: Crop Area Assessment in Alberta Irrigation Districts, 2010-2017

	2010	2011	2012	2013	2014	2015	2016	2017p
Acres								
Cereals.....	426,826	429,805	423,112	483,144	458,084	457,943	449,512	407,191
Forages.....	512,310	473,073	444,947	430,036	445,907	463,331	467,845	468,642
Oilseeds.....	183,895	191,153	208,168	191,585	198,543	196,696	152,652	182,963
Specialty Crops.....	184,499	213,150	248,461	240,748	258,839	257,934	314,706	335,489
Other.....	57,434	63,268	47,242	43,914	50,958	42,726	23,139	21,249
Total Crops.....	1,364,964	1,370,449	1,371,930	1,389,427	1,412,331	1,418,629	1,407,854	1,415,534
<p>Cereals: Barley, CPS Wheat, Durum, Grain Corn, Hard Spring Wheat, Malt Barley, Oats, Rye, Soft Wheat, Triticale, and Winter Wheat.</p> <p>Forages: Alfalfa Hay and Silage, Barley Silage, Brome Hay, Corn Silage, Grass Hay, Green Feed, Milk Vetch, Millet, Native Pasture, Oats Silage, Sorghum/Sudan Grass, Tame Pasture, Timothy Hay, Triticale Silage.</p> <p>Oilseeds: Canola, Flax, Mustard.</p> <p>Specialty Crops: Alfalfa Seed, Canary Seed, Canola Seed, Caraway Seed, Carrots, Dill, Dry Beans, Dry Peas, Faba Beans, Fresh Corn (sweet), Fresh Peas, Grass Seed, Hemp, Lawn Turf, Lentils, Market Gardens, Mint, Monarda, Nursery, Onions, Potatoes, Safflower, Seed Potatoes, Small Fruit, Soy Beans, Sugar Beets, Sunflower.</p> <p>Other: Miscellaneous, Non Crop, Summerfallow, Unknown (not reported).</p>								

Source: Alberta Agriculture and Forestry, Irrigation and Farm Water Branch

**Table 104: Precipitation at Selected Alberta Weather Stations(1),
2013-2017**

	Average						2017 as a % of Average
	1961-2017	2013	2014	2015	2016	2017	
Millimetres (April 1 to September 30)							
Athabasca AGCM.....	341.1	244.5	291.2	241.0	347.7	476.8	139.8
Barrhead CS.....	347.2	282.8	296.5	182.4	448.5	439.4	126.6
Beaverlodge RCS.....	295.6	334.1	225.0	258.1	428.4	345.5	116.9
Brooks CDA.....	242.8	279.6	239.5	145.5	317.1	143.3	59.0
Calgary Int'L CS.....	330.0	381.4	285.8	319.2	370.4	212.1	64.3
Cardston.....	343.1	314.7	348.2	234.0	273.6	151.0	44.0
Champion AGDM.....	295.4	311.1	265.8	243.0	226.5	169.9	57.5
Cleardale AGDM.....	283.4	363.4	185.3	168.2	447.6	259.9	91.7
Coronation Climate.....	276.4	264.3	310.1	321.7	366.4	195.1	70.6
Dupre AGCM.....	324.7	217.5	344.8	234.7	300.9	403.0	124.1
Fincastle IMCIN.....	264.2	322.3	306.1	164.3	314.4	136.2	51.6
Fort Vermilion.....	270.2	227.7	168.0	96.5	207.9	223.2	82.6
Hawk Hills AGCM.....	271.4	220.9	198.8	144.6	263.7	176.5	65.0
Jean Cote AGCM.....	288.5	307.1	167.4	188.6	378.8	258.9	89.7
Killam AGDM.....	301.1	218.9	323.6	271.6	375.8	267.4	88.8
Kitscoty AGCM.....	306.8	233.9	289.6	226.9	290.7	362.7	118.2
La Crete AGCM.....	288.3	196.2	146.0	114.5	203.9	185.1	64.2
Lacombe CDA 2.....	343.1	344.6	290.7	310.1	338.0	252.9	73.7
Lethbridge Demo Farm IMCIN.....	289.5	356.0	384.8	172.9	284.6	175.8	60.7
Mayerthorpe.....	384.8	381.7	266.7	231.9	417.7	427.5	111.1
Medicine Hat RCS.....	245.2	311.2	348.6	135.2	364.0	174.9	71.3
Morrin AGDM.....	280.1	216.9	365.7	324.6	378.2	213.4	76.2
Olds College AGDM.....	365.0	381.5	409.3	389.6	374.0	252.5	69.2
Oliver AGDM.....	328.1	327.4	292.4	235.7	354.1	306.3	93.4
Onefour CDA.....	236.2	413.1	273.5	159.0	233.6	131.1	55.5
Oyen AGDM.....	242.4	224.4	263.5	220.5	366.7	179.8	74.2
Peoria AGDM.....	323.3	319.2	169.4	167.5	459.7	329.7	102.0
Pincher Creek Cr10.....	359.7	441.8	352.3	261.0	338.8	256.4	71.3
Stettler AGDM.....	333.7	313.5	321.0	327.0	332.5	302.8	90.7
Valleyview AGDM.....	344.0	284.1	212.1	249.7	387.7	406.1	118.1
Vegreville.....	295.0	228.2	307.9	235.7	361.0	300.7	101.9
Vilna AGCM.....	329.4	243.4	344.2	262.3	397.7	349.1	106.0
Violet Grove CS.....	435.1	329.1	300.4	318.8	468.2	385.1	88.5
Wainwright CFB Airfield 21.....	292.8	264.6	316.1	273.2	270.2	300.8	102.7
Wetaskiwin AGCM.....	356.5	280.4	294.9	237.3	446.6	364.7	102.3

(1) See reference map on the following page.

Note: Data was provided through the Agro Climatic Information Service (ACIS) and is subject to revision. The latest data for these and other stations can be found on ACIS, at www.agric.gov.ab.ca/acis, by clicking on **Station Data**.

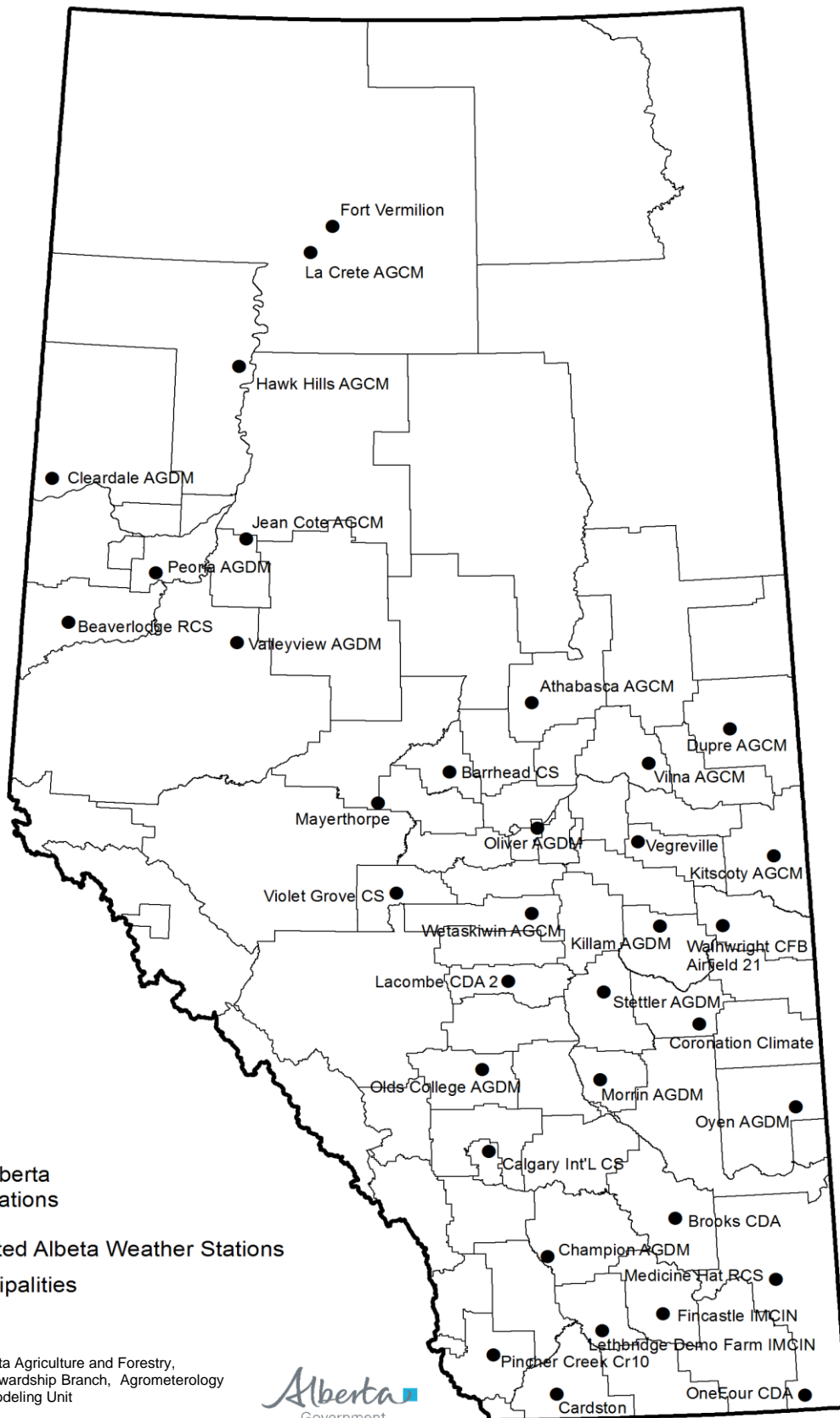
Source: Alberta Agriculture and Forestry, Environmental Stewardship Branch, Agrometeorology Application and Modeling Unit

Table 105: Alberta Crop Insurance, 2011-2017 (as of March 31, 2018)

	2011	2012	2013	2014	2015	2016r	2017p
Insured - Number of Contracts.....	12,825	12,730	12,660	12,087	11,869	12,198	11,539
Acres Insured - '000.....	13,538	14,261	14,682	14,539	14,730	15,187	14,538
Premiums - \$'000.....	398,726	429,679	488,916	364,325	368,722	438,208	388,796
Liability - \$'000.....	3,790,961	4,547,037	4,270,367	3,430,349	3,913,232	4,522,117	4,348,791
Indemnities - \$'000.....	129,560	153,824	37,670	109,257	213,388	180,187	224,410

Note: This table only includes the basic crop insurance program, covering principal field crops, processing vegetables, honey, corn heat units, silage and greenfeed. It does not include the Hail Endorsement, Spring Price Endorsement, Revenue Insurance Coverage, Straight Hail Insurance, Forage Insurance, the Wildlife and Waterfowl Compensation Program or the Income Stabilization programs (Canadian Agricultural Income Stabilization (CAIS) or AgriStability programs).

Source: Agriculture Financial Services Corporation



Selected Alberta Weather Stations

- Selected Alberta Weather Stations
- Municipalities

September, 2016

Compiled by Alberta Agriculture and Forestry,
Environmental Stewardship Branch, Agrometeorology
Application and Modeling Unit



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Census of Agriculture - Notes

- (1) Since 1996, a census farm has been defined as an agricultural operation producing at least one of the following products intended for sale: crops (field crops, tree fruits or nuts, berries or grapes, vegetables, seed); livestock (cattle, hogs, sheep, horses, exotic animals); poultry (hens, chickens, turkeys, exotic birds); animal products (milk, cream, eggs, wool, furs, meats); or other agricultural products (greenhouse or nursery products, Christmas trees, mushrooms, sod, honey and maple syrup). Farm operations producing only Christmas trees were included for the first time in the 1996 census.
- (2) Up to three operators can be reported per farm. As this is a count of distinct operators, operators of two or more separate farms are included only once.
- (3) Starting in 2001, a 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. Farm types are derived based on the North American Industrial Classification System (NAICS). Prior to 2001, farms were classified based on the Standard Industrial Classifications (SIC), thus data for previous census years are not comparable.
- (4) In 1996, the name and definition of "Tame or Seeded Pasture" was changed from the previous census. In 1991, it was called "Improved Land for Pasture or Grazing". Consequently, some respondents may have reported differently in 1996 than in 1991, thereby affecting the comparability of 1996, 2001 and 2006 censuses with earlier censuses.
- (5) Starting 2006, Total Area of Farms is the sum of Area Owned, and Area Rented, Leased, Crop Shared or Used From Others, less Total Area of Land Used by Others.
- (6) The data for land management practices are reported for the year preceding the census year. Operators can apply insecticides and fungicides to the same land. Therefore, the sum of the responses to the two questions in 1996, 2001 and 2006 are not comparable to the response to the single 1991 question which asked for the total area on which insecticides or fungicides were used. The data, however, is still comparable to other years.
- (7) This information was new in 2016.
- (8) As the components of "Other" change from census to census, the data is not comparable between census years.
- (9) Since individual or family holdings were being over-reported in previous censuses, the order and wording of the questions on operating expenses were changed in 1996. While previous censuses asked if the operation was an "individual or family holding", starting with the 1996 Census this question was replaced with one asking if the operation was a "sole proprietorship".
- (10) In 1991, agricultural operators reported the value of farm machinery and equipment located on their operations on Census Day, regardless of ownership. Since the 1996 Census, operators have been asked to report the present market value of all farm machinery and equipment that they owned or leased on Census Day. This change in reporting limits comparability of these data.
- (11) This refers to gross farm receipts of the operation in the preceding calendar year. All values are in current dollars. Percentage changes are calculated based on current dollars.
- (12) This refers to the gross farm operating expenses of the operation in the preceding calendar year. All values are in current dollars. Percentage changes are calculated based on current dollars.
- (13) Farm operators are defined by Statistics Canada 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. Operators can be owners, tenants or hired managers of the agricultural operation. This can include those responsible for management decisions pertinent to particular aspects of the farm, such as planting and harvesting, capital purchases, and marketing. An agricultural operation may have more than one operator, e.g. husband and wife; father and son; two brothers; father, son and wife; etc. Since 1991, the census form has enabled farmers to report up to three operators for each farm, which is why there are more operators than farms. This is a count of distinct operators; hence, operators of two or more separate farms were included only once in the total.
- (14) The application of the "random rounding" confidentiality procedure to data appearing in the farm operator tables has resulted in the following data inconsistencies: Since the totals in a table are randomly rounded independently of their component cell values, some differences may exist between the rounded totals and the sum of their rounded components. For example, the sum of the components of Total Number of Operators is not equal to the total. Similarly, percentage distributions, which are calculated based on rounded cell values, do not necessarily add up to 100%. Averages, however, are calculated based on unrounded data. Random rounding can significantly distort results for variables with small cell counts. Individual data cells containing small numbers may lose their precision as a result. Finally, minor differences can be expected in corresponding totals and cell values appearing in different tables. Random rounding may result in slightly different totals occurring in the tables in which the variable appears.
- (15) Due to changes to the question on average time contribution of non-farm work for 2001, caution should be used when comparing the data to 1996. The 1996 data exclude those operators who reported operating another business whereas 2001, 2006, 2011, 2016 data include them.

Census of Agriculture for Alberta, 2016

Census Farms

The 2016 Census of Agriculture counted 40,638 farms in Alberta, down six per cent from 43,234 farms in 2011. This decline was not unique to Alberta as numbers were down for all provinces, and fell 5.9 per cent nationally to 193,492 farms. However, this was the lowest rate of decline in the last twenty years. Despite the lower farm count for Alberta, the province continued to have the second highest number of farms, behind Ontario (49,600), and accounted for 21 per cent of the farms in Canada. Generally speaking, farm numbers have been declining across Canada after reaching a peak in 1941.

While farm numbers have declined, the average farm size in Alberta increased 5.9 per cent to 1,237 acres (1,168 acres in 2011). Total farm area reported (total area of all land tenures minus total area of land used by others) fell marginally from 2011 by 0.5 per cent to 50.3 million acres, and represented 31.7 per cent of the Canadian total of 158.7 million acres. The decline in farm area is largely due to the sector shedding lower quality and non-agricultural lands and upgrading or divesting generally less productive pasture lands. Nationally, Alberta ranked second to Saskatchewan in total farm area.

Under land tenure, 29.3 million acres was owned in 2016 (30.2 million acres in 2011). The total area rented or leased from others was 12 million acres (11 million acres in 2011), and area leased from governments was 9.5 million acres (9.7 million acres in 2011). Area crop-shared from others was 1.4 million acres (1.5 million acres in 2011) and area used through other arrangements was 535,608 acres (546,417 acres in 2011). The total area of land used by others was 2.5 million acres (2.4 million acres in 2011).

While total farm area declined, the total productive land area under crops in Alberta increased 4.8 per cent to 25.3 million acres (27.1 per cent of the national total). Tame or seeded pasture acreage fell 8.4 per cent to 5.4 million acres, while natural land for pasture declined 0.3 per cent to 15.9 million acres. Land in summerfallow fell 49 per cent, to 644,021 acres.

By farm type, crop farms (21,906 farms) accounted for 53.9 per cent of farms in Alberta, while animal production was 46.1 per cent (18,732 farms). Notable farm types included beef cattle farms at 31.2 per cent, hay at 15 per cent, oilseed (except soybean) at 9.2 per cent, and wheat at 7.1 per cent. The census classifies farms according to the predominant type of production using North American Industry Classification System. 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.

Provincial gross farm receipts from all sources (including market receipts, program payments, custom work, and inter-farm sales), totaled \$17.7 billion, up 55 per cent from \$11.4 billion in 2011 and ranked first among provinces. By size class, the number of Alberta farms with gross receipts \$500,000 or more increased by 48.2 per cent to 6,601 (4,454 in 2011), and accounted for 16.2 per cent of total farms (10.3 per cent in 2011). The number of farms with gross farm receipts of less than \$500,000 declined by 12.2 per cent to 34,037 (38,780 in 2011) and comprised 83.8 per cent of census farms (89.7 per cent in 2011).

Total farm operating expenses in the province increased to \$15 billion from \$9.7 billion in 2011. Unlike the previous census and to reduce response burden, a question for detailed expenses was not asked. Please note that for gross farm receipts and operating expenses, the figures refer to the previous calendar year, or for the last complete accounting (fiscal) year.

The total market value (as of May 10, 2016) of farm capital in the province jumped 50.6 per cent to \$143.9 billion in 2016, compared to \$95.6 billion in 2011. The average capital value per farm increased significantly by 60.2 per cent to \$3.5 million, from \$2.2 million in 2011. The total value of land and buildings accounted for most of the gain, up 47.2 per cent to \$118.3 billion, while machinery and equipment value rose 33.6 per cent to \$14.6 billion, and the value of livestock and poultry rose 158.6 per cent to \$11 billion. The Alberta result was similar to the national totals, where total capital value was \$509.7 billion (up 54.1 per cent), with an average capital value per farm of \$2.6 million (up 63.8 per cent). Alberta led the nation in value of farm capital (\$143.9 billion), followed by Ontario (\$131.8 billion).

In 2016, farms classified by operating arrangement indicated that sole proprietorships were the predominant type of farm classification in Alberta at 21,328 farms or 52.5 per cent of all farms. Family corporations were the second most common type at 22.9 per cent (9,287 farms), while partnerships without a written agreement were 19.3 per cent (7,838 farms). Non-family corporations accounted for two per cent of all farms (803), compared to 1.8 per cent (771) in 2011.

In 2016, there were 424 farms with certified organic and/or transitional production in the province. This represented one per cent of Alberta farms, below the national average of 2.2 per cent.

Note: All dollar values refer to current dollars.

Alberta farms continued to adopt usage of environmentally friendly practices (no-till seeding and conservation tillage). No-till methods were used on 69.3 per cent of land prepared for seeding in 2016, up from 64.8 per cent in 2011. Conservation tillage was used on 19.1 per cent of the land prepared for seeding, down from 22.5 per cent in the five years previous. Conventional tillage fell to 11.6 per cent, from 12.8 per cent in 2011. The number of acres where herbicides, insecticides and/or fungicides was applied increased to 26.7 million acres (22.1 million acres in 2011). Application of commercial fertilizer rose 10.4 per cent to 19.4 million acres in 2016 (17.6 million acres in 2011). New to the 2016 Census of Agriculture, 2,329 Alberta farms reported having trace minerals and nutrients (two million total acres), compared to 14,928 farms nationally (6.8 million total acres).

New on the 2016 Census of Agriculture are questions that measure: the technologies used on farms, direct marketing practices farms may have, whether or not the farm has a written succession plan, and if renewable energy producing systems exist.

Farms reporting using computers or laptops represented 58.4 per cent of the Alberta total. Census farms reporting using smartphones or tablets was 47 per cent and 33.7 per cent reported using GPS technology. Automated steering (auto-steer) was reported on 25.7 per cent of farms in the province.

Alberta farms reporting selling agricultural products to consumers in the year prior to the census (2015) was 5.1 per cent (2,062 farms), compared to 12.7 per cent nationally (24,510 farms). A majority of these farms reported selling unprocessed agricultural products (1,986 farms or 96.3 per cent). In 2016, 8.5 per cent of farms in Alberta reported having a written succession plan, marginally above the national total of 8.4 per cent. Of the Alberta farms reporting having a written succession plan, 96.9 per cent of them were for a family member successor. In 2015, 4.7 per cent of farms (1,928 farms) reported having renewable energy producing systems, compared with 5.3 per cent of farms nationally. Of those farms, 91.3 per cent reported having solar panel systems (1,761 farms) and 13.4 per cent reported having wind turbine systems (258 farms).

Farm Operators

The number of farm operators in Alberta fell 7.2 per cent in 2016 to 57,605 (62,050 in 2011), in line with lower farm numbers. The decline in farm operators was not unique to Alberta and was evident across all the other provinces. Nationally, farm operator numbers dropped 7.5 per cent to 271,935.

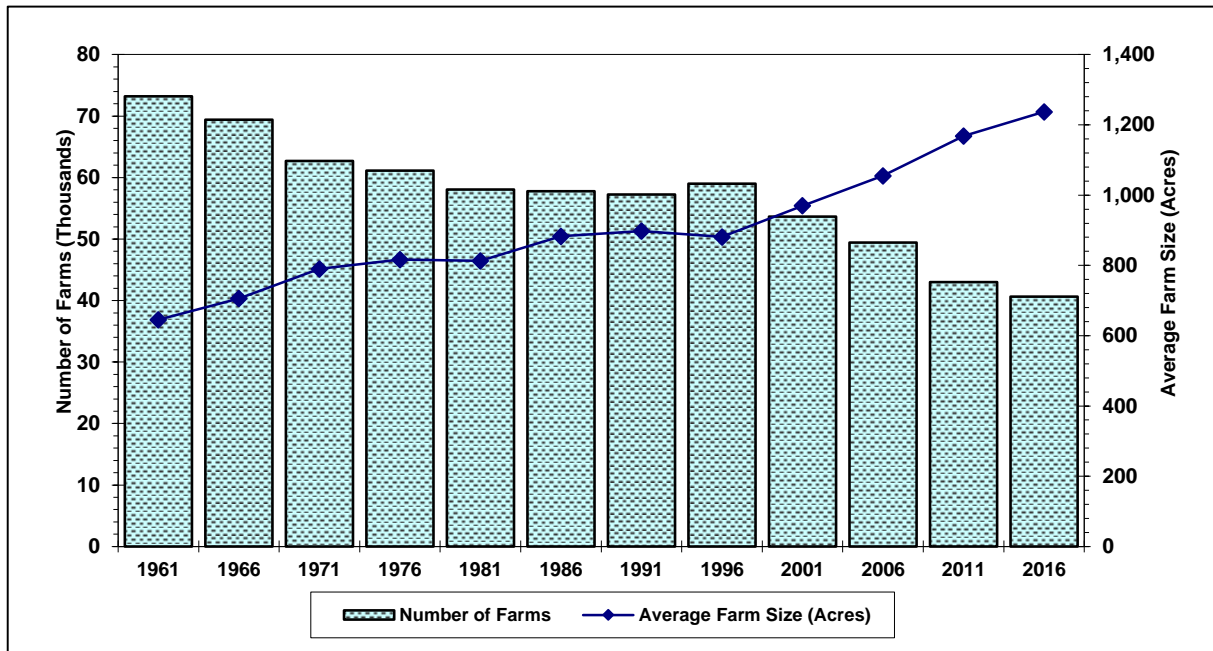
The average age of Alberta farm operators in 2016 was 55.7 years, up from 54.5 years in 2011. This was quite similar to the national trend where the average age was 55 years, up from 54 years in 2011. The proportion of operators "55 years and over" has been increasing, and accounted for 56.5 per cent of operators in 2016 (49.6 per cent in 2011). This was also true for those "under 35 years of age", increasing to 8.5 per cent in 2016 (7.3 per cent in 2011). Operators in the "35 to 54 years" age class fell to 35 per cent (43.1 per cent in 2011).

In 2016, there were 17,760 (30.8 per cent) female and 39,845 (69.2 per cent) male farm operators in the province. Nationally, the split was 28.7 per cent female and 71.3 per cent male. Among provinces, Alberta had the second highest proportion of female operators behind British Columbia (37.6 per cent). Of the 57,605 farm operators in the province, 40.3 per cent were on single operator farms (40.5 per cent in 2011), while 59.7 per cent were on farms with two or more operators (59.5 per cent in 2011).

The percentage of Alberta farm operators reporting paid non-farm work declined from the previous census, slipping to 47.3 per cent, compared to 52 per cent in 2011. Alberta farm operators reported that 27,245 had paid non-farm work in the calendar year prior to the census, down from 32,245 in 2011. For those that did report paid non-farm work, the majority of operators (63.9 per cent) had up to 40 hours of work per week, while the remainder (36.1 per cent) had non-farm work of more than 40 hours per week. Nationally, there were 120,670 farm operators that reported paid non-farm work (44.4 per cent of total operators), down from 137,755 (46.9 per cent of total operators) in 2011.

A total of 9,565 Alberta farms (23.5 per cent of all farms) reported having a total of 33,498 year-round, seasonal, or temporary employees. Of total employees, 50.3 per cent were seasonal or temporary (58.8 per cent in 2011), while 49.7 per cent were year-round (full or part-time), compared to 41.2 per cent in 2011.

Fig. 36 Number and Average Size of Alberta Farms, 1961-2016

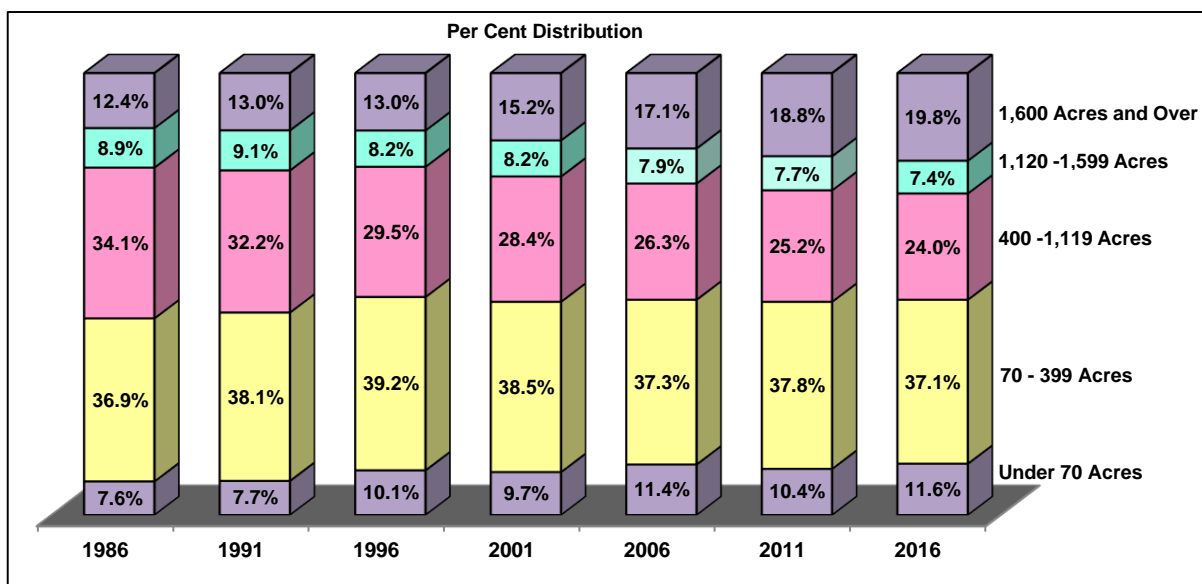


Source: Statistics Canada, Census of Agriculture

The number of census farms in Alberta has generally trended downwards over the years, while average farm size has trended upwards. Between 1961 and 2016, farm numbers decreased 44.5 per cent, from 73,212 to 40,638, while average farm size has increased 91.8 per cent, from 645 acres to 1,237 acres per farm.

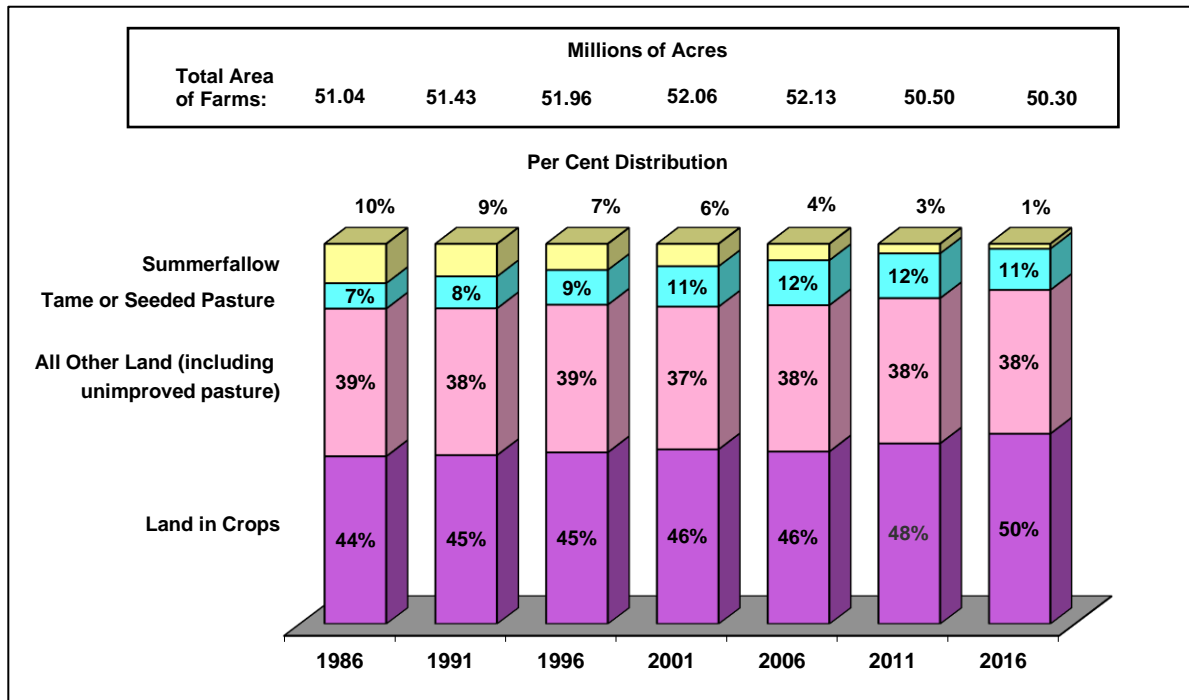
Between 1986 and 2016, the percentage of farms with 1,600 acres or more increased from 12.4 per cent to 19.8 per cent, while the proportion of farms between 1,120 and 1,599 acres slightly decreased from 8.9 per cent to 7.4 per cent. During the same period, the percentage of farms between 400 and 1,119 acres dropped significantly from 34.1 per cent to 24.0 per cent. Farms between 70 and 399 acres have remained fairly steady at around 38 per cent, while farms less than 70 acres increased from 7.6 per cent to 11.6 per cent.

Fig. 37 Alberta Farms Classified by Total Farm Area, 1986-2016



Source: Statistics Canada, Census of Agriculture

Fig. 38 Total Area of Alberta Farms and Land Use Distribution, 1986-2016

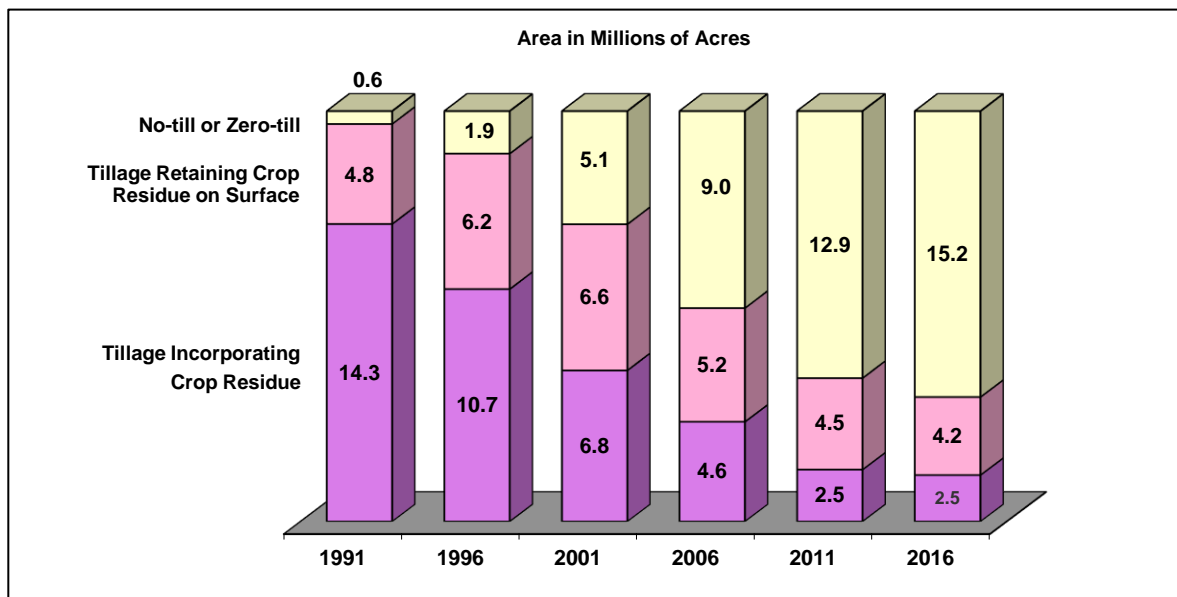


Source: Statistics Canada, Census of Agriculture

While the total farm area has declined to 50.3 million acres in 2016, total productive land under crops in Alberta increased 4.8 per cent to 25.3 million acres, representing 50.3 per cent of the province's total farm area.

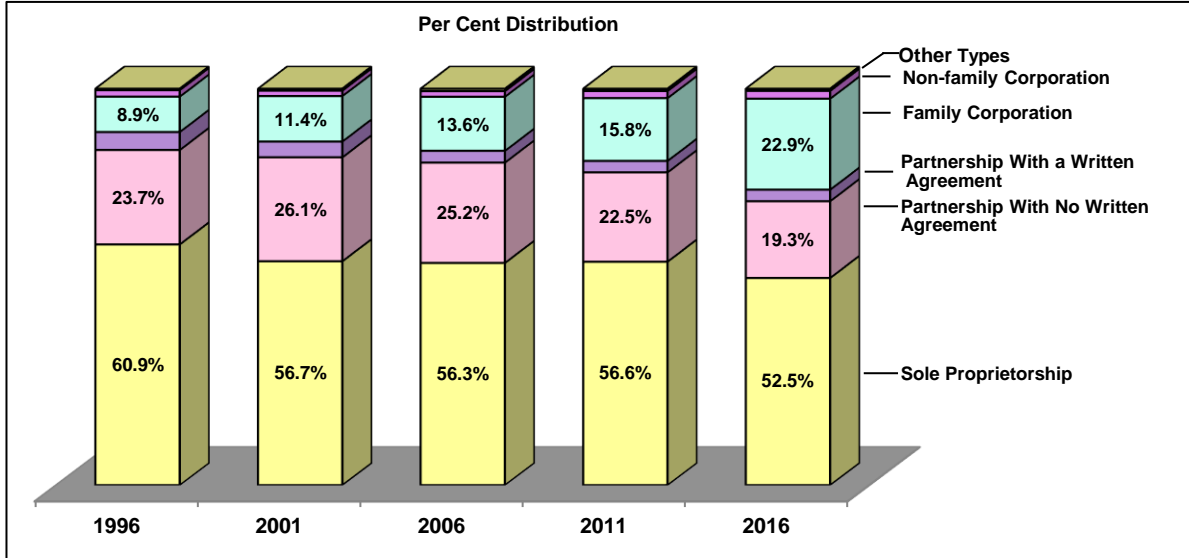
The use of environmentally friendly practices has increased over the past two decades. In 2016, no-till or zero-till methods were used on 15.2 million acres or 60.1 per cent of cropland, compared to 0.6 million acres or 2.7 per cent in 1991.

Fig. 39 Tillage Practices on Alberta Farms, 1991-2016



Source: Statistics Canada, Census of Agriculture

Fig. 40 Alberta Farms Classified by Operating Arrangement, 1996-2016



Source: Statistics Canada, Census of Agriculture

	1996	2001	2006	2011	2016
Sole Proprietorship	60.9%	56.7%	56.3%	56.6%	52.5%
Partnership With No Written Agreement	23.7%	26.1%	25.2%	22.5%	19.3%
Partnership With a Written Agreement	4.5%	4.0%	2.9%	2.9%	2.9%
Family Corporation	8.9%	11.4%	13.6%	15.8%	22.9%
Non-Family Corporation	1.6%	1.4%	1.4%	1.8%	2.0%
Other Types*	0.3%	0.4%	0.6%	0.5%	0.5%

* Includes institutions, community pastures, etc.

Source: Statistics Canada, Census of Agriculture

Farm classified by operating arrangement indicates that sole proprietorships remained the predominant type of farm operating arrangement in Alberta. However, the proportion has declined over the years from 60.9 per cent in 1996 to 52.5 per cent in 2016, while the proportions of partnerships and corporations have increased. In 2016, the proportion of family corporations were the second most common type, accounting for 22.9 per cent of farms in the province, while partnerships without written agreements was 19.3 per cent. Non-family corporations accounted for two per cent of all farms compared to 1.6 per cent in 1996.

Fig. 41 Top Ten Crops Grown in Alberta, 2016

	Acres
1. Total Wheat	7,008,542
<i>Spring Wheat</i>	5,728,527
<i>Durum Wheat</i>	1,101,498
<i>Winter Wheat</i>	178,517
2. Canola	6,165,746
3. Hay and Fodder Crops*	4,218,222
4. Barley	3,413,856
5. Dry Field Peas	1,909,491
6. Oats	822,185
7. Lentils	463,500
8. Mixed Grains	242,206
9. Total Corn	241,151
10. Forage Seed	164,070
Total (Top Ten Crops)	24,648,969
TOTAL (ALL CROPS)	25,261,781

* Includes alfalfa and other tame hay and fodder. Excl. Forage Seed/Corn for Silage

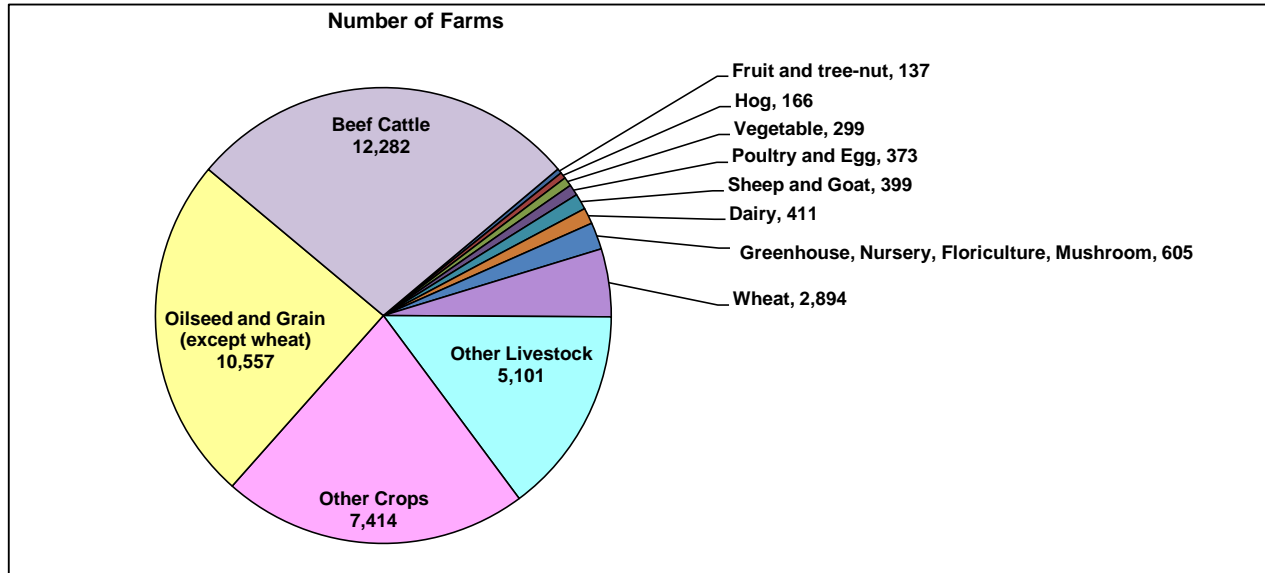
Source: Statistics Canada, Census of Agriculture

In 2016, the top ten crops grown in Alberta accounted for 97.6 per cent of the total area of land in crops. While total wheat remains the province's leading field crop at seven million acres, canola acreage continued to increase (1.6 per cent from 2011) to 6.2 million acres, and remained second place of the top ten crops.

Although spring wheat declined 4.1 per cent (5.7 million acres), durum wheat increased 105.5 per cent (1.1 million acres), which was largely responsible for total wheat posting a 4.6 per cent gain over 2011.

Some specialty crops and pulses also saw marked increases in 2016. These included dry field peas (up 170.2 per cent to 1.9 million acres), lentils (up 374.1 per cent to 463,500 acres), and corn (up 113.4 per cent to 241,151 acres).

Fig. 42 Alberta Farms Classified by Type, 2016



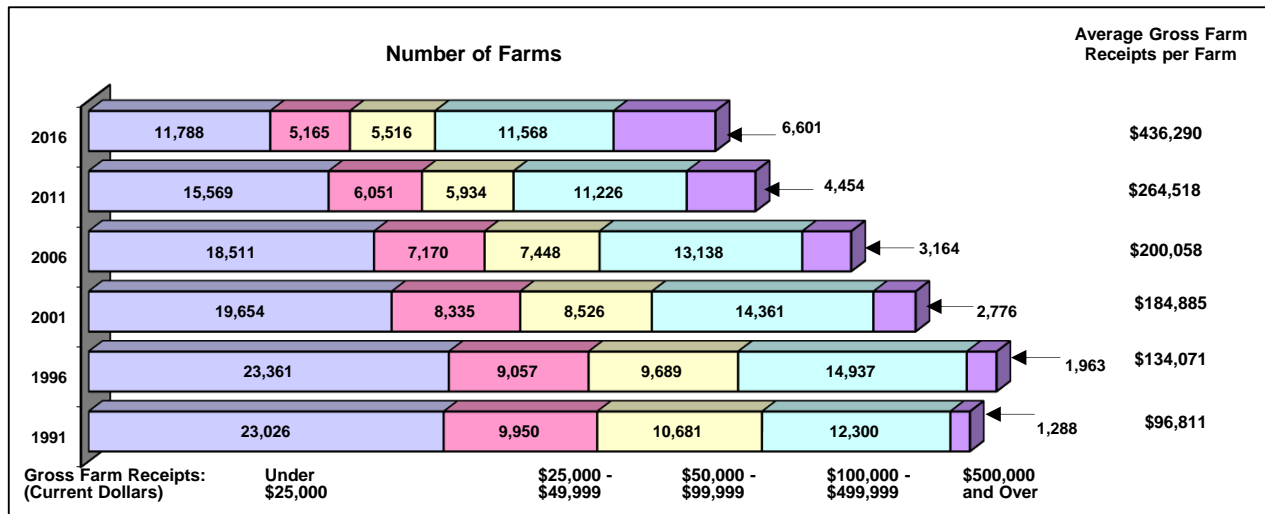
Source: Statistics Canada, Census of Agriculture

The 2016 Census classifies farms according to the predominant type of production based on the North American Industry Classification System. 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.

In 2016, beef cattle farms continued to be the most common farm type in Alberta, accounting for 30.2 per cent or 12,282 of the province's census farms. The number of wheat farms grew 38.9 per cent since 2011, and totaled 2,894 farms. Other crops farms, such as dry field peas and corn for silage, fell 21 per cent since 2011 and totaled 7,414, while the number of oilseed and grain (except wheat) farms was marginally down 0.5 per cent to 10,557.

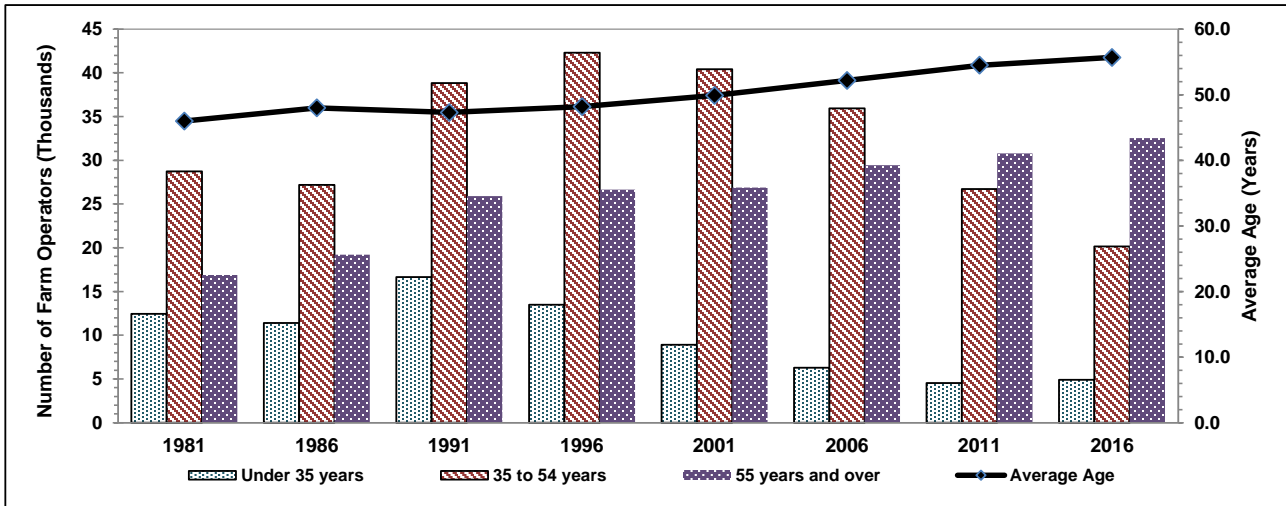
Alberta gross farm receipts in 2016 averaged \$436,290 per farm. The number of farms with \$500,000 or more (in current dollars) of 2015 gross farm receipts increased to 6,601, and represented 16.2 per cent of total farms, yet accounted for 80.8 per cent of total provincial gross farms receipts.

Fig. 43 Alberta Farms Classified by Gross Farm Receipts, 1991-2016



Source: Statistics Canada, Census of Agriculture

Fig. 44 Average Age and Number of Alberta Farm Operators by Age, 1981-2016



Source: Statistics Canada, Census of Agriculture

Census data show the average age of farm operators rising in recent years. In 2016, the average age of Alberta farm operators was 55.7 years, up from 54.5 years in 2011. This was quite similar to the national trend where average age was 55 years in 2016, compared to 54 years in 2011.

Operators aged 55 and over continued to represent the largest share of total farm operators, accounting for 56.5 per cent of Alberta's 57,605 farm operators in 2016. The number of farm operators between 35 to 54 years old dropped to 20,155 and represented 35 per cent of total farm operators, while the group under 35 years old rose to 4,910 or 8.5 per cent.

Fig. 45 Alberta Farms Reporting Technologies, 2016

1. Computers/laptops for farm management	Farms	23,725
2. Smartphones/tablets for farm management		19,093
3. GPS technology		13,684
4. Automated steering (auto-steer)		10,462
5. GIS mapping (e.g., soil mapping)		2,589
6. Automated environmental controls for animal housing		680
7. Automated animal feeding		669
8. Other technologies		164
9. Greenhouse automation		143
10. Robotic milking		62
TOTAL (Alberta Census Farms)		40,638

Source: Statistics Canada, Census of Agriculture

In 2016, 58.4 per cent of farms reported using computers/laptops for farm management, and 47.0 per cent (19,093 farm operators) reported using smartphones/tablets for farm management, both above the national averages of 56.2 per cent using computers/laptops and 42.9 per cent using smartphones/tablets for farm management.

GPS technology was the third most reported technology with 33.7 per cent of farms using it, above the national average of 30.1 per cent. Automated steering was reported by 25.7 per cent of farms, above the national average of 20.5 per cent.

Table 106: Census of Agriculture, Farms and Land, Canada and Provinces, 2001-2016

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
Total Number of Farms (1)											
2001.....	643	1,845	3,923	3,034	32,139	59,728	21,071	50,598	53,652	20,290	246,923
2006.....	558	1,700	3,795	2,776	30,675	57,211	19,054	44,329	49,431	19,844	229,373
2011.....	510	1,495	3,905	2,611	29,437	51,950	15,877	36,952	43,234	19,759	205,730
2016.....	407	1,353	3,478	2,255	28,919	49,600	14,791	34,523	40,638	17,528	193,492
% Change											
'06/'01	-13.2	-7.9	-3.3	-8.5	-4.6	-4.2	-9.6	-12.4	-7.9	-2.2	-7.1
'11/'06	-8.6	-12.1	2.9	-5.9	-4.0	-9.2	-16.7	-16.6	-12.5	-0.4	-10.3
'16/'11	-20.2	-9.5	-10.9	-13.6	-1.8	-4.5	-6.8	-6.6	-6.0	-11.3	-5.9
% Share of Canada											
2001.....	0.3	0.7	1.6	1.2	13.0	24.2	8.5	20.5	21.7	8.2	100.0
2006.....	0.2	0.7	1.7	1.2	13.4	24.9	8.3	19.3	21.6	8.7	100.0
2011.....	0.2	0.7	1.9	1.3	14.3	25.3	7.7	18.0	21.0	9.6	100.0
2016.....	0.2	0.7	1.8	1.2	14.9	25.6	7.6	17.8	21.0	9.1	100.0
Total Land Area of Farms (Acres)											
2001.....	100,271	646,137	1,005,833	958,899	8,443,656	13,507,357	18,784,407	64,903,830	52,058,898	6,392,909	166,802,197
2006.....	89,441	619,885	995,943	976,629	8,557,101	13,310,216	19,073,005	64,253,845	52,127,857	7,006,569	167,010,491
2011.....	77,349	594,324	1,018,075	937,829	8,256,614	12,668,236	18,023,472	61,628,148	50,498,834	6,452,867	160,155,748
2016.....	70,747	575,490	915,657	835,329	8,103,247	12,348,463	17,637,639	61,585,788	50,250,183	6,400,549	158,723,092
% Change											
'06/'01	-10.8	-4.1	-1.0	1.8	1.3	-1.5	1.5	-1.0	0.1	9.6	0.1
'11/'06	-13.5	-4.1	2.2	-4.0	-3.5	-4.8	-5.5	-4.1	-3.1	-7.9	-4.1
'16/'11	-8.5	-3.2	-10.1	-10.9	-1.9	-2.5	-2.1	-0.1	-0.5	-0.8	-0.9
% Share of Canada											
2001.....	0.1	0.4	0.6	0.6	5.1	8.1	11.3	38.9	31.2	3.8	100.0
2006.....	0.1	0.4	0.6	0.6	5.1	8.0	11.4	38.5	31.2	4.2	100.0
2011.....	0.0	0.4	0.6	0.6	5.2	7.9	11.3	38.5	31.5	4.0	100.0
2016.....	0.0	0.4	0.6	0.5	5.1	7.8	11.1	38.8	31.7	4.0	100.0
Average Farm Size (Acres)											
2001.....	156	350	256	316	263	226	891	1,283	970	315	676
2006.....	160	365	262	352	279	233	1,001	1,449	1,055	353	728
2011.....	152	398	261	359	280	244	1,135	1,668	1,168	327	778
2016.....	174	425	263	370	280	249	1,192	1,784	1,237	365	820
Number of Farms (1,120 Acres or Larger)											
2001.....	15	104	81	106	585	1,154	5,480	20,091	12,552	1,139	41,307
2006.....	12	108	90	128	840	1,403	5,599	19,025	12,354	1,231	40,790
2011.....	11	120	90	142	864	1,547	5,135	16,655	11,467	1,153	37,184
2016.....	12	128	93	135	934	1,624	4,904	15,456	11,073	1,052	35,411
% Change											
'06/'01	-20.0	3.8	11.1	20.8	43.6	21.6	2.2	-5.3	-1.6	8.1	-1.3
'11/'06	-8.3	11.1	0.0	10.9	2.9	10.3	-8.3	-12.5	-7.2	-6.3	-8.8
'16/'11	9.1	6.7	3.3	-4.9	8.1	5.0	-4.5	-7.2	-3.4	-8.8	-4.8
Farms 1,120 Acres or Larger as a % of Total Number of Farms											
2001.....	2.3	5.6	2.1	3.5	1.8	1.9	26.0	39.7	23.4	5.6	16.7
2006.....	2.2	6.4	2.4	4.6	2.7	2.5	29.4	42.9	25.0	6.2	17.8
2011.....	2.2	8.0	2.3	5.4	2.9	3.0	32.3	45.1	26.5	5.8	18.1
2016.....	2.9	9.5	2.7	6.0	3.2	3.3	33.2	44.8	27.2	6.0	18.3
Total Land in Crops (Acres)											
2001.....	20,843	433,641	294,596	367,898	4,571,296	9,035,915	11,650,599	37,994,752	24,038,861	1,525,986	89,934,387
2006.....	22,671	423,281	288,146	375,590	4,777,225	9,046,383	11,616,450	36,967,225	23,775,509	1,448,626	88,741,106
2011.....	20,618	410,712	280,889	351,231	4,632,634	8,929,948	10,746,290	36,395,993	24,102,289	1,481,827	87,352,431
2016.....	19,619	400,322	267,447	344,504	4,613,036	9,021,298	11,530,095	40,489,299	25,261,781	1,435,237	93,382,638
% Change											
'06/'01	8.8	-2.4	-2.2	2.1	4.5	0.1	-0.3	-2.7	-1.1	-5.1	-1.3
'11/'06	-9.1	-3.0	-2.5	-6.5	-3.0	-1.3	-7.5	-1.5	1.4	2.3	-1.6
'16/'11	-4.8	-2.5	-4.8	-1.9	-0.4	1.0	7.3	11.2	4.8	-3.1	6.9
% Share of Canada											
2001.....	0.02	0.5	0.3	0.4	5.1	10.0	13.0	42.2	26.7	1.7	100.0
2006.....	0.03	0.5	0.3	0.4	5.4	10.2	13.1	41.7	26.8	1.6	100.0
2011.....	0.02	0.5	0.3	0.4	5.3	10.2	12.3	41.7	27.6	1.7	100.0
2016.....	0.02	0.4	0.3	0.4	4.9	9.7	12.3	43.4	27.1	1.5	100.0

See Census of Agriculture - Notes

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca

Table 107: Census of Agriculture, Profile for Alberta, 1996-2016

	1996	2001	2006	2011	2016	% of Total	% Chg. '16/'11
	Number					%	%
Population of Alberta	2,696,826	2,974,807	3,290,350	3,645,257	4,067,175	100.0	11.6
Rural Population.....	554,011	569,647	590,499	614,855	667,803	16.4	8.6
Urban Population.....	2,142,815	2,405,160	2,699,851	3,030,402	3,399,372	83.6	12.2
Total Census Farms (1)	59,007	53,652	49,431	43,234	40,638	...	-6.0
Total Census Farm Operators (2)	82,455	76,195	71,660	62,050	57,605	...	-7.2
	Acres					%	%
Average Farm Size	881	970	1,055	1,168	1,237	...	5.9
Distribution of Farms by Size	Number					%	%
Under 70 Acres.....	5,969	5,216	5,656	4,517	4,720	11.6	4.5
70 - 239 Acres.....	14,724	13,374	12,040	10,947	10,158	25.0	-7.2
240 - 559 Acres.....	14,014	12,285	10,595	9,048	8,175	20.1	-9.6
560-759 Acres.....	5,363	4,600	3,979	3,258	2,947	7.3	-9.5
760 - 1,119 Acres.....	6,424	5,625	4,807	3,997	3,565	8.8	-10.8
1,120 Acres and Over	12,513	12,552	12,354	11,467	11,073	27.2	-3.4
1,120 - 1,599 Acres.....	4,845	4,382	3,924	3,335	3,012	7.4	-9.7
1,600 - 2,239 Acres.....	3,244	3,297	3,012	2,694	2,529	6.2	-6.1
2,240 - 2,879 Acres.....	1,590	1,594	1,681	1,575	1,497	3.7	-5.0
2,880 - 3,519 Acres.....	898	971	1,064	1,025	1,027	2.5	0.2
3,520 Acres and Over.....	1,936	2,308	2,673	2,838	3,008	7.4	6.0
Total Farms	59,007	53,652	49,431	43,234	40,638	100.0	-6.0
Farms by Type Classified by Gross Farm Receipts (3)							
Dairy	-	745	605	485	411	1.0	-15.3
Beef Cattle (including feedlots)	-	23,036	20,494	12,022	12,282	30.2	2.2
Hog	-	901	598	193	166	0.4	-14.0
Poultry and Egg	-	526	416	339	373	0.9	10.0
Sheep and Goat	-	830	558	490	399	1.0	-18.6
Other Livestock	-	6,302	7,414	6,374	5,101	12.6	-20.0
Wheat	-	3,853	2,809	2,083	2,894	7.1	38.9
Oilseed and Grain (except wheat)	-	9,527	9,753	10,609	10,557	26.0	-0.5
Fruit and tree-nut	-	138	227	151	137	0.3	-9.3
Vegetable	-	267	286	277	299	0.7	7.9
Greenhouse, Nursery, Floriculture, Mushroom	-	832	910	826	605	1.5	-26.8
Other Crops	-	6,695	5,361	9,385	7,414	18.2	-21.0
Total Farms Classified	-	53,652	49,431	43,234	40,638	100.0	-6.0
Use of Land	Acres					%	%
Total Area of Farms	51,964,360	52,058,898	52,127,857	50,498,834	50,250,183	100.0	-0.5
Total Land in Crops.....	23,590,033	24,038,861	23,775,509	24,102,289	25,261,781	50.3	4.8
Summerfallow.....	3,550,265	3,053,214	2,239,633	1,263,051	644,021	1.3	-49.0
Tame or Seeded Pasture (4).....	4,731,087	5,512,654	6,137,362	5,920,507	5,421,962	10.8	-8.4
Unimproved Land.....	-	-	-	-	-	-	-
Natural Land for Pasture.....	16,347,251	16,503,920	16,135,646	15,903,273	15,861,059	31.6	-0.3
All Other Land.....	3,745,724	2,950,249	3,839,707	3,309,714	3,061,360	6.1	-7.5
Christmas Tree Area, Woodland and Wetland.....	-	-	2,849,415	2,209,124	1,957,480	3.9	-11.4
All Other Land.....	-	-	990,292	1,100,590	1,103,880	2.2	0.3
Farm Land Classified by Tenure							
Total Area of Farms (5)	51,964,360	52,058,898	52,127,857	50,498,834	50,250,183	100.0	-0.5
Area Owned.....	31,344,893	30,701,572	32,228,183	30,233,516	29,291,562	59.9	-3.1
% of Total Area of Farms.....	60.3	59.0	61.8	59.9	58.3	...	...
Area Rented, Leased, Crop Shared or Used From Others.....	20,619,467	21,357,326	22,204,148	22,690,880	23,417,222	46.6	3.2
% of Total Area of Farms.....	39.7	41.0	42.6	44.9	46.6	...	...
Less Total Area of Land Used by Others	-	-	2,304,474	2,425,562	2,458,601	4.9	1.4
% of Total Area of Farms.....	-	-	4.4	4.8	4.9	...	...

See Census of Agriculture - Notes

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca

Table 107 (Cont'd.): Census of Agriculture, Profile for Alberta, 1996-2016

	1996	2001	2006	2011	2016	% of Total	% Chg. '16/'11
	Acres					%	%
Land Management Practices (6)							
Commercial Fertilizer.....	17,375,043	16,556,173	17,211,462	17,571,243	19,389,984	...	10.4
Lime.....	-	-	29,942	25,757	54,217	...	110.5
Herbicides.....	14,949,086	16,368,127	15,858,085	17,658,829	19,666,602	...	11.4
Insecticides or Fungicides.....	2,082,940	2,186,122	2,832,747	4,480,268	7,041,170	...	57.2
Trace Minerals and Nutrients (7).....	-	-	-	-	1,962,676	...	-
Irrigation.....	1,276,535	1,233,649	1,325,929	1,241,411	1,517,089	100.0	22.2
Total Land Prepared for Seeding	18,761,116	18,465,784	18,726,144	19,945,813	21,909,580	100.0	9.8
Tillage Incorporating Crop Residue.....	10,657,824	6,847,096	4,589,714	2,543,229	2,539,408	11.6	-0.2
Tillage Retaining Crop Residue on Surface.....	6,166,922	6,550,489	5,185,594	4,477,959	4,193,223	19.1	-6.4
No-till or Zero-till Seeding.....	1,936,370	5,068,199	8,950,836	12,924,625	15,176,949	69.3	17.4
Crop Residue Baled.....	-	-	-	2,236,814	2,761,430	...	23.5
	% of Farms					%	%
Soil Conservation Practices and Features							
Crop Rotation.....	55.7	58.2	59.3	56.6	T	...	...
Winter Cover Crops.....	3.0	2.3	3.9	2.7	3.4	...	...
Windbreaks or Shelterbelts.....	18.7	18.2	50.2	39.3	50.7	...	...
Green Crops for Plough-down.....	-	2.9	5.7	5.4	3.3	...	...
Manure Applied.....	-	-	37.6	49.7	T	...	...
Buffer Zones Around Water Bodies.....	-	-	18.5	19.0	T	...	...
Rotational Grazing.....	-	-	43.7	35.1	33.3	...	...
In-field Winter Grazing or Feeding.....	-	-	-	25.7	27.5	...	...
Nutrient Management Planning.....	-	-	-	16.8	T	...	...
	Acres					%	%
Total Land in Crops	23,590,033	24,038,861	23,775,509	24,102,289	25,261,781	100.0	4.8
% Change From Previous Census Year.....	2.7	1.9	-1.1	1.4	4.8	...	...
Selected Field Crops Grown							
Grains.....	14,818,647	13,645,690	12,327,276	11,483,988	11,594,888	45.9	1.0
Total Wheat.....	7,324,846	6,852,596	6,467,628	6,703,703	7,008,542	27.7	4.5
Spring Wheat (excluding durum).....	6,448,110	5,809,275	5,768,705	5,971,359	5,728,527	22.7	-4.1
Durum Wheat.....	781,627	962,906	570,771	536,018	1,101,498	4.4	105.5
Winter Wheat.....	95,109	80,415	128,152	196,326	178,517	0.7	-9.1
Oats.....	1,386,179	1,364,674	1,269,229	891,580	822,185	3.3	-7.8
Barley.....	5,775,824	4,902,090	4,094,689	3,610,111	3,413,856	13.5	-5.4
Mixed Grains.....	226,374	404,174	373,005	201,511	242,206	1.0	20.2
Corn for Grain.....	2,559	5,018	4,326	17,148	40,884	0.2	138.4
Rye Total.....	102,865	117,138	118,399	59,935	67,215	0.3	12.1
Fall Rye.....	80,701	89,480	105,059	50,616	62,089	0.2	22.7
Spring Rye.....	22,164	27,658	13,340	9,319	5,126	0.0	-45.0
Oilseeds.....	3,188,142	2,702,432	4,133,352	6,151,215	6,258,309	24.8	1.7
Canola.....	3,151,296	2,660,509	4,068,511	6,071,744	6,165,746	24.4	1.5
Flaxseed.....	34,082	40,219	60,372	69,743	78,619	0.3	12.7
Soybeans.....	1,059	88	2,677	3,693	6,865	0.0	85.9
Sunflowers.....	1,705	1,616	1,792	6,035	7,079	0.0	17.3
Hay and Fodder Crops.....	4,765,965	6,232,188	6,066,400	5,219,532	4,418,489	17.5	-15.3
Corn for Silage.....	12,800	36,814	70,411	95,861	200,267	0.8	108.9
Alfalfa and Alfalfa Mixtures.....	2,997,653	3,915,607	3,935,022	3,657,114	3,056,701	12.1	-16.4
All Other Tame Hay and Fodder Crops.....	1,755,512	2,279,767	2,060,967	1,466,557	1,161,521	4.6	-20.8
Other Field Crops							
Forage Seed.....	236,974	409,251	244,615	131,933	164,070	0.6	24.4
Potatoes.....	31,488	58,341	54,759	53,440	53,912	0.2	0.9
Mustard Seed.....	91,909	57,116	62,538	62,958	134,262	0.5	113.3
Sugar Beets.....	36,231	29,726	38,803	33,314	28,259	0.1	-15.2
Triticale.....	25,675	68,412	76,299	40,762	50,440	0.2	23.7
Dry Field Peas.....	286,037	608,217	587,263	706,726	1,909,491	7.6	170.2
Total Dry Field Beans.....	28,416	150,006	102,788	57,811	123,593	0.5	113.8
Vegetables Grown for Sale (excluding greenhouse).....	13,743	14,194	13,193	10,716	10,108	0.0	-5.7

See Census of Agriculture - Notes

T = Terminated

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca

Table 107 (Cont'd.): Census of Agriculture, Profile for Alberta, 1996-2016

	1996	2001	2006	2011	2016	% of Total	% Chg. '16/'11
Square Feet						%	%
Greenhouse Area in Use	7,959,527	10,556,535	12,432,719	12,861,869	12,647,517	100.0	-1.7
Flowers (cut, bedding plants, etc.).....	4,257,565	5,030,590	5,794,901	4,785,343	5,203,806	41.1	8.7
Vegetables.....	2,752,860	3,644,696	4,729,622	6,281,029	6,816,967	53.9	8.5
Other Greenhouse Products (8).....	949,102	1,881,249	1,908,196	1,795,497	626,744	5.0	-65.1
Growing Area for Mushrooms	497,304	470,020	497,304	x	x	-	-
Number						%	%
Farms Reporting Certified Organic Production	-	197	230	290	354	100.0	22.1
Hay or Field Crops.....	-	142	193	256	T	-	-
Fruits, Vegetables or Greenhouse Products.....	-	21	31	21	T	-	-
Herbs, Spices or Garlic Products.....	-	-	-	9	T	-	-
Animals or Animal Products.....	-	60	84	66	T	-	-
Farms Reporting Transitional Organic Production	-	-	26	42	97	100.0	131.0
Livestock and Poultry on Farms at May 10, 2016							
Total Cattle and Calves	5,942,257	6,615,201	6,369,116	5,104,605	5,206,999	100.0	2.0
Total Cows.....	2,119,719	2,183,332	2,114,716	1,611,085	1,656,368	31.8	2.8
Dairy Cows.....	102,830	84,044	78,875	80,694	80,014	1.5	-0.8
Beef Cows.....	2,016,889	2,099,288	2,035,841	1,530,391	1,576,354	30.3	3.0
Total Heifers.....	952,563	1,159,329	1,119,315	989,230	903,173	17.3	-8.7
Heifers for Dairy Herd Replacement.....	-	38,485	37,803	40,388	39,551	0.8	-2.1
Heifers for Beef Herd Replacement.....	-	359,291	275,683	264,372	289,788	5.6	9.6
Heifers for Slaughter or Feeding.....	-	761,553	805,829	684,470	573,834	11.0	-16.2
Bulls - One Year and Over.....	118,600	111,379	109,753	90,813	94,913	1.8	4.5
Steers - One Year and Over.....	892,696	991,554	974,559	819,409	902,839	17.3	10.2
Calves - Under One Year.....	1,858,679	2,169,607	2,050,773	1,594,068	1,649,706	31.7	3.5
Other Livestock and Poultry							
Pigs.....	1,729,810	2,027,533	2,052,067	1,397,534	1,462,247	...	4.6
Sheep and Lambs.....	259,817	307,302	222,340	202,903	195,511	...	-3.6
Horses and Ponies.....	149,960	159,962	155,533	139,410	108,702	...	-22.0
Bison (Buffalo).....	22,782	79,731	97,366	57,483	54,907	...	-4.5
Deer and Elk.....	10,687	39,635	42,748	18,630	13,065	...	-29.9
Total Hens and Chickens.....	9,485,635	12,175,246	11,757,860	11,956,949	14,125,401	...	18.1
Total Turkeys.....	842,798	864,438	703,462	706,902	768,529	...	8.7
Chicks and Poults Hatched in Commercial Hatcheries.....	58,452,442	71,319,860	63,625,470	68,224,440	79,530,375	...	16.6
Colonies of Honey Bees.....	170,288	209,821	230,894	235,951	304,846	...	29.2
Gallons of Other Pollinating Bees.....	-	-	89,580	189,510	199,848	...	5.5
Poultry Production						%	%
Broilers, Roasters and Cornish.....	72,660,726	105,387,692	115,766,269	124,468,680	136,914,883	...	10.0
Turkey.....	12,984,255	15,068,034	16,054,282	16,958,259	18,544,695	...	9.4
Operating Arrangements of Farms (9)							
Number of Farms						%	%
Sole Proprietorship	35,938	30,409	27,815	24,459	21,328	52.5	-12.8
Total Partnership	16,672	16,147	13,920	10,947	9,015	22.2	-17.6
Partnership With a Written Agreement.....	2,664	2,135	1,458	1,239	1,177	2.9	-5.0
Partnership With No Written Agreement.....	14,008	14,012	12,462	9,708	7,838	19.3	-19.3
Total Corporation	6,209	6,857	7,411	7,592	10,090	24.8	32.9
Family Corporation.....	5,248	6,124	6,714	6,821	9,287	22.9	36.2
Non-Family Corporation.....	961	733	697	771	803	2.0	4.2
Other Types	188	239	285	236	205	0.5	-13.1
Total Farms	59,007	53,652	49,431	43,234	40,638	100.0	-6.0
Value of Farm Capital							
Current Dollars						%	%
Total Capital (\$'000)	40,150,414	55,256,378	71,781,210	95,571,931	143,927,544	100.0	50.6
Land and Buildings (\$'000).....	28,733,732	38,872,514	57,101,345	80,371,125	118,286,315	82.2	47.2
Farm Machinery and Equipment (\$'000) (10).....	7,466,999	8,684,163	9,680,138	10,933,208	14,604,747	10.1	33.6
Livestock and Poultry (\$'000).....	3,949,683	7,699,701	4,999,727	4,267,598	11,036,482	7.7	158.6
Average Per Reporting Farm (\$).....	680,435	1,029,903	1,452,150	2,210,573	3,541,699	...	60.2

See Census of Agriculture - Notes T = Terminated

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca

Table 107 (Cont'd.): Census of Agriculture, Profile for Alberta, 1996-2016

	1996	2001	2006	2011	2016	% of Total	% Chg. '16/'11
Gross Farm Receipts (11)	Current Dollars					%	%
Total Receipts (\$'000)	7,911,131	9,919,447	9,889,045	11,436,181	17,729,972	...	55.0
Average Per Reporting Farm (\$)	134,071	184,885	200,058	264,518	436,290	...	64.9
Farms by Class of Gross Farm Receipts (11)	Number of Farms					%	%
Under \$10,000.....	12,895	10,089	9,791	7,707	5,779	14.2	-25.0
\$10,000 - \$24,999.....	10,466	9,565	8,720	7,862	6,009	14.8	-23.6
Under \$25,000.....	23,361	19,654	18,511	15,569	11,788	29.0	-24.3
\$25,000 - \$49,999.....	9,057	8,335	7,170	6,051	5,165	12.7	-14.6
\$50,000 - \$99,999.....	9,689	8,526	7,448	5,934	5,516	13.6	-7.0
Over \$100,000.....	16,900	17,137	16,302	15,680	18,169	44.7	15.9
\$100,000 - \$249,999.....	11,126						
\$250,000 - \$499,999.....	3,811	4,230	4,333	4,211	4,503	11.1	6.9
\$500,000 and Over.....	1,963	2,776	3,164	4,454	6,601	16.2	48.2
\$500,000 - \$999,999.....	-	1,628	1,871	2,494	3,356	8.3	34.6
\$1,000,000 - \$1,999,999.....	-	625	688	1,175	1,909	4.7	62.5
\$2,000,000 and over.....	-	523	605	785	1,336	3.3	70.2
Total Farms Classified.....	59,007	53,652	49,431	43,234	40,638	100.0	-6.0
Farm Operating Expenses (12)	Current Dollars					%	%
Total Expenses (\$'000)	6,669,475	8,908,533	8,791,632	9,710,680	14,968,956	...	54.1
Average Per Reporting Farm.....	113,029	166,043	177,857	224,607	368,349	...	64.0
Renewable Energy Producing Systems (7)	Number of Farms					%	%
Total Farms Reporting.....	-	-	-	-	1,928	...	-
% of Total Farms.....	-	-	-	-	4.7	...	-
Solar Panels.....	-	-	-	-	1,761	...	-
Wind Turbines.....	-	-	-	-	258	...	-
Other Renewable Energy Producing Systems.....	-	-	-	-	44	...	-
Farms Selling Directly to Consumers (7)	Number of Farms					%	%
Total Farms Reporting.....	-	-	-	-	2,062	...	-
% of Total Farms.....	-	-	-	-	5.1	...	-
Unprocessed Agricultural Products Sold.....	-	-	-	-	1,986	...	-
Using Farm Gate Sales, Stands, Kiosks, U-pick.....	-	-	-	-	1,761	...	-
Using Farmers' Markets.....	-	-	-	-	425	...	-
Farms Reporting Written Succession Plan (7)	Number of Farms					%	%
Total Farms Reporting.....	-	-	-	-	3,440	...	-
% of Total Farms.....	-	-	-	-	8.5	...	-
Successor - Family Member(s).....	-	-	-	-	3,335	...	-
Successor - Non-Family Member(s).....	-	-	-	-	112	...	-
Use of Technologies Used on Farm Operation (7)	Number of Farms					%	%
Computers/Laptops for Farm Management.....	-	-	-	-	23,725	...	...
Smartphones/tablets for Farm Management.....	-	-	-	-	19,093	...	...
GPS Technology.....	-	-	-	-	13,684	...	...
Automated Steering (auto-steer).....	-	-	-	-	10,462	...	...
Paid Agricultural Labour	Number of Farms					%	%
Total Farms Reporting.....	23,890	21,218	17,195	12,798	9,565	...	-25.3
Year Round Paid Labour (full or part-time).....	-	10,641	8,754	6,467	6,728	...	4.0
Seasonal or Temporary Paid Labour.....	-	13,587	10,872	8,687	6,093	...	-29.9
	Number of Employees					%	%
Total Agricultural Employees.....	-	-	-	37,852	33,498	100.0	-11.5
Year Round Employees.....	-	-	-	15,598	16,661	49.7	6.8
Seasonal or Temporary Employees.....	-	-	-	22,254	16,837	50.3	-24.3
	Number of Weeks					%	%
Total Weeks Worked by All Employees.....	1,008,064	1,084,852	959,231	898,452	T	-	-
Weeks Worked by Year Round Employees.....	-	-	-	657,073	T	-	-
Weeks Worked by Seasonal or Temporary Employees....	-	-	-	241,379	T	-	-

See Census of Agriculture - Notes

T = Terminated

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca

Table 108: Census of Agriculture, Alberta Farm Operators, 2001-2016

	2001	2006	2011	2016	% of Total	% Chg. '16/'11
	Number				%	%
Total Census Farms	53,652	49,431	43,234	40,638	100.0	-6.0
Total Farm Operators (13) (14)	76,195	71,660	62,050	57,605	100.0	-7.2
Total Operators on Farms with One Operator.....	32,025	28,045	25,155	23,225	40.3	-7.7
Total Operators on Farms with Two or More Operators.....	44,170	43,620	36,890	34,380	59.7	-6.8
Average Age of Farm Operators	Years				%	%
All Farm Operators.....	49.9	52.2	54.5	55.7	...	2.2
On Farms With One Operator.....	51.7	53.8	56.2	56.6	...	0.7
On Farms With Two or More Operators.....	48.6	51.2	53.3	55.0	...	3.2
	Number				%	%
Total Operators on All Farms	76,195	71,660	62,050	57,605	100.0	-7.2
Male.....	54,565	50,190	44,075	39,845	69.2	-9.6
Female.....	21,635	21,470	17,975	17,760	30.8	-1.2
Total Operators on Farms With One Operator	32,025	28,045	25,155	23,225	100.0	-7.7
Male.....	29,530	25,670	23,010	20,410	87.9	-11.3
Female.....	2,490	2,370	2,145	2,805	12.1	30.8
Total Operators on Farms With Two or More Operators	44,170	43,620	36,890	34,380	100.0	-6.8
Male.....	25,040	24,525	21,065	19,435	56.5	-7.7
Female.....	19,135	19,095	15,830	14,955	43.5	-5.5
Operators by Age on All Farms	76,195	71,660	62,050	57,605	100.0	-7.2
Under 35 years.....	8,900	6,290	4,550	4,910	8.5	7.9
35 to 54 years.....	40,430	35,935	26,720	20,155	35.0	-24.6
55 years and over.....	26,875	29,440	30,785	32,535	56.5	5.7
Operators by Age on Farms With One Operator	32,025	28,045	25,155	23,225	100.0	-7.7
Under 35 years.....	3,070	2,045	1,370	1,890	8.1	38.0
35 to 54 years.....	16,130	13,335	10,125	7,630	32.9	-24.6
55 years and over.....	12,815	12,665	13,665	13,700	59.0	0.3
Operators by Age on Farms With Two or More Operators	44,170	43,620	36,890	34,380	100.0	-6.8
Under 35 years.....	5,825	4,245	3,180	3,020	8.8	-5.0
35 to 54 years.....	24,295	22,605	16,595	12,525	36.4	-24.5
55 years and over.....	14,050	16,780	17,120	18,835	54.8	10.0
Operators by Average Hours Per Week Worked for the Agricultural Operation						
Less than 20 hours.....	18,965	20,465	19,660	18,905	32.8	-3.8
20 to 40 hours	21,935	19,970	18,905	18,370	31.9	-2.8
20 to 29 hours	-	-	10,195	9,685	16.8	-5.0
30 to 40 hours.....	-	-	8,710	8,685	15.1	-0.3
More than 40 hours.....	35,290	31,225	23,480	20,325	35.3	-13.4
Operators Reporting Paid Non-Farm Work (15)						
None.....	38,720	32,560	29,805	30,355	52.7	1.8
Less than 20 hours per week.....	7,380	7,560	5,860	5,360	9.3	-8.5
20 to 40 hours per week.....	14,750	14,190	13,520	12,050	20.9	-10.9
20 to 29 hours	-	-	4,680	3,855	6.7	-17.6
30 to 40 hours.....	-	-	8,840	8,195	14.2	-7.3
More than 40 hours per week.....	15,345	17,355	12,865	9,835	17.1	-23.6

See Census of Agriculture - Notes

Source: Statistics Canada, Census of Agriculture. For more information visit the Statistics Canada web site at: www.statcan.gc.ca