The Land and Precipitation

	Acres	% of Total
Total Land Area	157,710,720	
Farm Land Area (2016 Census of Agriculture)	50,250,183	100.0
Cultivated Land Area	31,327,764	62.3
Land in Crops	25,261,781	50.3
Summerfallow	644,021	1.3
Tame or Seeded Pasture	5,421,962	10.8
Natural Land for Pasture	15,861,059	31.6
All Other Land	3,061,360	6.1

Total irrigated area in 2016 = 1.74 million acres or 5.6% of the total cultivated land area in Alberta.

In 2016, the irrigation districts in Alberta accounted for 1.43 million acres. The breakdown of irrigated crop acres was: forages (33%), cereals (32%), canola (10%), canola seed (3%), dry beans (3%), potatoes (3%), sugar beets (2%), alfalfa seed (3%), and all other crops (11%). Types of irrigation systems practiced were: centre pivot sprinkler (82.9%), side-roll-wheel-move sprinkler (8.6%), gravity or "flood" (7.7%), and other irrigation systems (0.8%).

Precipitation (millimetres)	1961-2016		
April 1 to September 30 Cropping Season	Average	2015	2016
Medicine Hat	. 244.1	150.2	394.1
Calgary	. 334.1	319.2	370.4
Lacombe		310.1	338.0
Wainwright	. 294.4	273.2	270.2
Oliver (near Edmonton)	. 328.6	235.7	354.1
Beaverlodge	. 291.5	258.1	428.4

Population and Farms

	2015r	2016p	% Chg.
Population on July 1st (1)	4,179,660	4,252,879	1.8
% of Canadian Population	11.7%	11.7%	
		2016	% of Total
Population on May 10, 2016 (2)	_	4,067,175	100.0
Urban Population		3,399,372	83.6
Rural Population		667,803	16.4
Number of Census Farms on May 10, 20	16 ⁽²⁾	40,638	
Average Farm Size		1,237 acres	
Types of Farms (3)		2016	% of Total
Cattle (Beef)		12,282	30.2
Other Animal Production		6,450	15.9
Grain and Oilseed (excl. Wheat)		10,557	26.0
Wheat		2,894	7.1
Other Field Crops (excl. Grain and Oilseed)	6,530	16.1
Other Crop Farming		1.925	4.7

- (1) Source: Statistics Canada, Catalogue no. 051-0001.
- (2) Source: Statistics Canada, 2016 Census of Population and Census of Agriculture.
- (3) Farm type classified by North American Industry Classification System.

Employed Labour Force			
_	2015	2016	% Chg.
Total Employed Labour Force	2,301,100	2,263,800	-1.6
Agri-Food Industries	89,200	73,200	-17.9
Ägriculture	62,800	50,800	-19.1
Crop Production	18,600	20,500	10.2
Animal Production	33,800	26,600	-21.3
Mixed Farming	6,800	1,500	-77.9
Support Activities for Agriculture	3,700	2,200	-40.5
Food and Beverage Manufacturing	26,400	22,400	-15.2
Food - Retail Trade and Services	179,300	177,600	-0.9
Food and Beverage Retail Stores	55.500	58,500	5.4
Food Services and Drinking Places	123,800	119,100	-3.8

Real Gross Domestic Product at Basic Prices (\$ Millions)

In 2016, Alberta's real gross domestic product for agri-food industries totalled \$6.6 billion (the highest on record), up 7.8 per cent from 2015.

In Chained (2007) Dollars	2015r	2016p	% Chg.
All Industries	299,602.7	288,113.1	-3.8
Agri-Food Industries	6,100.8	6,574.7	7.8
Ägriculture	3,243.7	3,685.9	13.6
Food Manufacturing	2,395.6	2,437.1	1.7
Beverage Manufacturing	461.5	451.7	-2.1

Consumer Price Index and Financial Rates (Annual Averages)

	2015	2016	% Chg
Consumer Price Index (CPI) (2002=100)	400.7	405.0	
Alberta - All Items	133.7	135.2	1.1
Food	139.6	141.5	1.4
Fresh or Frozen Meat (excl. Poultry)	170.5	163.8	-3.9
Fresh or Frozen Poultry Meat	143.3	145.6	1.6
Fresh Fruit	133.2	134.3	3.0
Fresh Vegetables	120.6	122.6	1.7
Dairy Products	141.0	140.0	-0.7
Financial Rates	2014	2015	2016
Canada Bank Rate (%)	1.25	0.88	0.75
Exchange Rate - US \$ Per Canadian \$	0.9052	0.7820	0.7544

Farm Cash Receipts (\$ Millions)

Alberta's total farm cash receipts (FCR) totalled \$13.5 billion in 2016, marginally down 0.8% from the record high set in 2015. The decrease in FCR was due to lower livestock market receipts that more than offset higher crop market receipts and program payments to producers. FCR is the sum of crop and livestock market receipts plus direct program payments to producers. Alberta accounted for 22.5% of total Canadian FCR in 2016, and led the nation with \$4.6 billion in cattle and calf market receipts.

	2015r	2016p	% Chg.
Total Farm Cash Receipts	13,592.6	13,490.5	-0.8
Crop Market Receipts	6,164.4	6,672.1	8.2
Wheat	1,982.9	1,896.5	-4.4
Oats	37.4	30.6	-18.2
Barley	362.9	268.3	-26.1
Dry Peas	351.2	637.9	81.6
Canola	2,641.1	2,850.1	7.9
Potatoes	190.5	237.8	24.8
Vegetables	97.5	100.6	3.2
Lentils	107.5	224.3	108.7
Floriculture, Nursery and Sod	135.1	127.2	-5.8
Other Crops	258.3	298.9	15.7
Livestock and Products Market Receipts	6,775.5	6,121.9	-9.6
Cattle and Calves	5,223.5	4,577.5	-12.4
Hogs	411.8	395.8	-3.9
Lambs	26.3	25.0	-4.6
Dairy Products	544.1	561.1	3.1
Poultry, Hatcheries and Eggs	346.5	366.9	5.9
Honey	82.6	68.2	-17.4
Other Livestock and Products	140.8	127.3	-9.5
Total Market Receipts	12,939.9	12,794.0	-1.1
Direct Program Payments	652.6	696.4	6.7
Crop and Hail Insurance	515.3	529.0	2.6
AgriStability	58.1	56.2	-3.2
AgriRecovery	0.0	0.4	n/a
Agrilnvest	64.5	73.1	13.4
Other Payments	14.8	37.8	155.8

Livestock Industry

Alberta continues to be the largest beef producing province in Canada. As of July 1, 2016, the province led the nation in cattle and calf inventories and accounted for 40.7% of the national herd. In 2016, three-quarters of Canadian beef processing occurred in Western Canada (75.3%), with the vast majority concentrated in Alberta.

2015r 2016p % Cha.

	20101	2010p	∕o ong.
Livestock on Farms (Head), July 1st			
Cattle and Calves	, ,	5,375,000	1.0
Bulls	91,700	90,500	-1.3
Milk Cows and Dairy Heifers	118,200	119,800	1.4
Beef Cows and Beef Heifers	1,757,200	1,757,000	0.0
Calves	1,686,800	1,731,300	2.6
Slaughter Steers and Heifers	1,666,100	1,676,400	0.6
Pigs	1,460,000	1,475,000	1.0
Sheep and Lambs	195,000	183,000	-6.2
Livestock Slaughtered (Head)	2015	2016p	
Cattle and Calves (1)	2,013,571	2,111,909	4.9
Hogs	2,673,257	2,619,485	-2.0
Production Quantity (tonnes)			
Beef (e) (2)	758,630	814,737	7.4
Pork (e)	242,189	242,145	0.0
Meat Product Manufacturing Sales (\$ Millions)	2015r	2016p	% Chg.
Meat Product Manufacturing Industries (3)	6,775.6	7,309.8	7.9
Value of International Exports (\$ Millions)			
Beef and Veal (incl. Offal)	1,696.5	1,670.6	-1.5
Pork (incl. Offal)	468.9	472.0	0.7
Farm Cash Receipts (\$ Millions)			
Livestock and Livestock Products	6,775.5	6,121.9	-9.6
% of Total Farm Cash Receipts	49.8%	45.4%	
Selected Prices	_	2015	2016
Slaughter Steers, Alberta Direct Packer Sales* (\$	/100 lbs)	\$182.71	\$150.57
Central Alberta Steer Calves, 500-600 lbs* (\$/10	0 lbs)	\$304.56	\$217.27
Alberta Average Slaughter Hogs Index 100 Dress	ed (\$/kg)	\$1.56	\$1.48

- (1) Federally and provincially inspected slaughter in Western Canada, irrespective of origin; Alberta data unavailable.
- (2) Beef production in Western Canada; Alberta data unavailable.
- (3) Includes poultry processing.

Dairy Production			
	2015	2016p	% Chg.
Milk Production ('000 litres)	701,242	732,337	4.4

Poultry and Egg Production

	2015r	2016p	% Chg.
Chicken Meat (tonnes*)	107,191	112,556	5.0
Turkey Meat (tonnes*)	15,995	16,686	4.3
Egg Production ('000 Dozen)	60,396	64,699	6.2

^{*} Eviscerated Weight

Beekeeping Industry			
	2015r	2016p	% Chg.
Honey Production (tonnes)	17,899	17,293	-3.4
Value of Honey Produced (\$'000)	84,555	56,859	-32.8

Selected Alternative Livestock Inventory (Head)

	2015	2016p	% Chg.
Whitetail Deer and Mule Deer	928	1,026	10.6
Elk	12,007	12,164	1.3

Crops

		ted Area acres) 2016p		uction ionnes) 2016p
Principal Field Crops	450.0	405.0	005.0	040.4
Winter Wheat	150.0	185.0	225.9	318.4
Spring Wheat	5,640.0	4,955.0	7,247.6	7,995.9
Durum Wheat	805.0	1,150.0	816.5	1,583.9
All Wheat	6,595.0	6,290.0	8,290.0	9,898.2
Oats	340.0	425.0	393.3	624.6
Barley	2,870.0	2,600.0	4,289.2	4,398.0
Fall Rye	30.0	42.0	33.0	49.5
Mixed Grains	10.0	20.0	12.2	24.9
Flaxseed	115.0	64.0	83.8	54.6
Canola	6,180.0	5,500.0	5,851.3	5,783.3
Dry Beans	38.0	45.0	47.9	54.7
Dry Peas	1,420.0	1,810.0	1,314.5	2,271.2
Mustard Seed	88.0	132.0	31.9	71.6
Triticale	10.0	13.0	14.5	19.6
Tame Hay	4,225.0	4,395.0	4,971.4	7,819.9
Fodder Corn	65.0	85.0	1,115.8	1,542.2
Sugar Beets	18.0	25.0	503.5	725.7
Summerfallow	650.0	500.0	n/a	n/a
Commercial Fresh Vegetables	(ar	res)	(tor	ines)
and Fruits	2015r	2016p	2015	2016p
Beans	350	314	435	437
Carrots	420	339	X	2.207
Corn, Sweet	3.433	3.027	17.558	18,495
Onions, Dry	X X	1,155	X	21, 041
Peas, Green	2.981	2.788	4.693	3.841
Raspberries	50	65	29	32
Strawberries	110	105	109	123
Value of International Exports		100	100	120
(\$ Millions)		2015r	2016p	% Chg.
Total Crops	_	4.687	4.224	-9.9
Canola Seed		1,677	1,842	9.8
Wheat		2,423	1.819	-24.9
Barley		195	1,013	-27.1
Other Crops		392	421	7.4
Farm Cash Receipts (\$ Millions)		2015r	2016p	% Cha.
Total Crops	_	6,164.4	6,672.1	% Gilg.
% of Total Farm Cash Receipts		45.4%	49.5%	0.2
10 UI IUIAI FAIIII VASII NECEIPIS		45.4%	49.5%	

Value of Principal Field Crops (\$/tonne) 2012-13 2013-14 2014-15 2015-16 No.1 CW Red Spring Wheat (13.5%)*... 256.77 223.25 201.58 188.56 No.1 CW Amber Durum Wheat (13%)* .. 272.88 257.68 306.50 286.36 Oats (feedmill bids, Lethbridge)............ 221.97 179.97 174.71 202.00 Barley (feedmill bids, Lethbridge) 278.92 187.24 200.76 212.80 Canola (canola seed crusher ... 610.82 466.35 average prices) .. 435.28 435.01

^{*} G3 Canada Limited (realized total payments - Edmonton/Calgary)

Greenhouse Industry			
	2015	2016p	% Ch
Total Greenhouse Area ('000 sq. ft)	12,433	12,243	-1.
Total Sales (\$'000)	132.439	131.782	-0

Food and Beverage Manufacturing Sales (\$ Millions)

In 2016, Alberta food and beverage manufacturing sales reached a new high of \$14.6 billion or 23.3% of the province's total manufactured goods (\$62.6 billion). The leading food sub-sector was meat product manufacturing (including poultry) at \$7.3 billion, which accounted for 53.9% of the provincial food sales.

	2015r	2016p	% Chg.
All Manufacturing Industries	69,607.1	62,560.3	-10.1
Food and Beverage Manufacturing Industries	13,329.7	14,559.4	9.2
% Share of All Manufacturing	19.1%	23.3%	
Food Manufacturing Industries	12,064.1	13,574.2	12.5
Meat Product Manufacturing (incl. Poultry)	6,775.6	7,309.8	7.9
% Share of Food Manufacturing	56.2%	53.9%	
Grain and Oilseed Milling	1,631.3	1,754.7	7.6
Animal Foods (incl. Livestock Feed)	1,174.7	1,016.8	-13.4
All Other Food Manufacturing	2,482.5	3,492.9	40.7
Dairy Products	734.9	1,559.8	112.3
Bread and Bakery Products	542.7	Х	-
Other Food Manufacturing (1)	1,204.9	1,933.1	60.4
Beverage Manufacturing Industries	1,265.6	985.2	-22.2

(1) Includes manufacturing of coffee, tea, seasonings, dressings, flavourings, specialty foods, sugar and confectionery products, seafood products, cookies, crackers, pasta and fruit and vegetable preserving.

Food and Beverage Retail Sales (\$ Millions)			
	2015r	2016p	% Chg.
Total Alberta Food and Beverage Stores	14,661.5	14,649.2	-0.1
Grocery Stores (Supermarkets and			
Convenience)	11,436.6	11,288.2	-1.3
Specialty Food Stores	533.1	557.3	4.5
Beer, Wine and Liquor Stores	2,691.8	2,803.7	4.2

Average Household Food Expenditure, 2015 (Per Year)

Alberta	% of Food	Canada	% of Food
\$110,024		\$82,697	-
\$10,171		\$8,629	
9.2%		10.4%	
\$3,058		\$2,502	
\$7,112	100.0%	\$6,126	100.0%
\$1,675	23.6%	\$1,465	23.9%
\$1,568	22.0%	\$1,194	19.5%
\$1,030	14.5%	\$903	14.7%
\$547	7.7%	\$574	9.4%
\$408	5.7%	\$341	5.6%
\$194	2.7%	\$213	3.5%
	\$110,024 \$10,171 9.2% \$3,058 \$7,112 \$1,675 \$1,568 \$1,030 \$547 \$408	\$110,024 \$10,171 9.2% \$3,058 \$7,112 100.0% \$1,675 23.6% \$1,568 22.0% \$1,030 14.5% \$547 7.7% \$408 5.7%	\$110,024 \$82,697 \$10,171 \$8,629 9.2% 10.4% \$3,058 \$2,502 \$7,112 100.0% \$6,126 \$1,675 23.6% \$1,465 \$1,568 22.0% \$1,194 \$1,030 14.5% \$903 \$547 7.7% \$574

Per Capita Consumption of Red Meats and Poultry, Canada

	Units	1997	2015r	2016p
_	UIIIIS	1997	20101	2010p
Beef	kg ⁽¹⁾	31.46	24.32	25.00
Pork	kg ⁽¹⁾	25.42	23.02	20.90
Mutton and Lamb	kg ⁽¹⁾	0.74	1.04	1.02
Chicken	kg ⁽²⁾	25.47	31.83	32.51
Turkev	ka (2)	4.23	4.15	4.25

(1) Carcass weight basis. (2) Eviscerated weight basis.

Note: These data 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. Also, aggregate data for fresh fruit, fresh vegetables, poultry, fish, fluid milk and alcoholic beverages shown in previous editions of the Agriculture Statistics Factsheet are no longer available.

Farm Operating Expenses (1) (\$ Millions)

	2015r	2016p	% Chg.
Property Taxes	113.0	119.6	5.8
Cash and Share Rent	591.7	631.5	6.7
Cash Wages, Room and Board	725.1	743.2	2.5
Interest	644.4	656.0	1.8
Machinery Fuel	578.7	527.2	-8.9
Machinery Repairs	694.8	715.6	3.0
Fertilizer and Lime	1,325.8	1,182.6	-10.8
Pesticides	624.1	652.2	4.5
Commercial Feed	1,328.4	1,400.2	5.4
Livestock and Poultry Purchases	1,419.7	966.7	-31.9
Electricity and Telephone	256.3	237.1	-7.5
Heating Fuel	67.6	58.2	-13.9
Miscellaneous	1,975.1	2,092.2	5.9
Total Operating Expenses After Rebates	10,344.8	9,982.3	-3.5
Depreciation on Buildings	296.3	289.4	-2.3
Depreciation on Machinery	1,422.2	1,456.2	2.4
Total Expenses After Rebates and Depreciation	12,063.3	11.727.9	-2.8

(1) Net of provincial or federal rebates.

Net Farm Income (1) (\$ Millions)			
_	2015r	2016p	% Chg.
1. Total Farm Cash Receipts	13,592.6	13,490.5	-0.8
2. Total Operating Expenses After Rebates	10,344.8	9,982.3	-3.5
3. Net Cash Income (1 - 2)	3,247.7	3,508.2	8.0
4. Income in Kind	13.7	11.9	-13.2
5. Depreciation Charges	1,718.5	1,745.9	1.6
6. Realized Net Income (3 + 4 - 5)	1,542.9	1,774.4	15.0
7. Value of Inventory Change	-241.6	308.1	S
8. Total Net Income (6 + 7)	1,301.3	2,082.4	60.0

(1) Refers to income directly related to the farm business; excludes non-farming income (such as wages and salaries from off-farm employment, pension and investment income).

Capital Investment Expenditures (1) (\$ Millions)			
	2015r	2016p	% Chg.
All Industries	75,676.2	62,119.5	-17.9
Agri-Food Industries	1,862.2	1,787.0	-4.0
% Share of All Industries	2.5%	2.9%	
Agriculture Industries	1,587.4	1,569.2	-1.1
Crop Production	1,226.6	1,232.8	0.5
Animal Production	357.9	336.4	-6.0
Support Services	2.9	Х	-
Food and Beverage Manufacturing Industries	274.8	217.8	-20.7
Food Industries	214.0	171.6	-19.8
Beverage Industries	60.8	46.2	-24.0

(1) Capital investment expenditures refers to the cost of procuring, constructing and installing new durable plants, machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others.

International Agri-Food Exports (\$ Millions)

In 2016, Alberta exports of primary and processed agricultural and food products (agri-food) were almost \$10.0 billion, down slightly by 2.0% from 2015. Lower exports of major grains combined with weaker prices contributed to the decline. Gains were reported mainly in exports of value added products such as crude canola oil, dairy products, honey, processed meat and processed potatoes, among others. These exports accounted for just over 50% of the Alberta total. Exports of beef, the largest value added product, were 9.8% higher in quantity, while value fell 1.5% due to lower prices. Increased exports of value added products moderated the overall decline in total agri-food exports. Exports of primary commodities fell about 8.0% and were just below 50% of the total. Among primary commodities, canola seed became the largest export product, with wheat falling just behind. China remained the largest customer of canola seed, followed by Japan and Mexico. The United States continues to be Alberta's largest market, accounting for 40.5% of total agri-food exports. The next largest markets were China (13.8%), Japan (12.3%) and Mexico (5.4%).

2015r

56.473

56.109

Alberta Agri-Food Exports	10,182	9,992	-1.9
Alberta as a % of Canada	18.1%	17.7%	
Value Added Processed Products	4,802	5,036	4.9
As a % of Alberta Agri-Food Exports	47.2%	50.4%	
Beef and Veal (incl. Offal)	1,696	1,671	-1.5
Crude Canola Oil	324	558	72.2
Pork (incl. Offal)	469	472	0.7
Processed Potatoes	329	337	2.4
Prepared Animal Feeds	317	273	-13.7
Malt Roasted or Not Roasted	238	241	1.5
Oilseed Cake and Meal	253	236	-6.7
Other Value Added Processed Products	1,176	1,247	6.1
Primary Commodities (Crops and Animals)	5,380	4,956	-7.9
As a % of Alberta Agri-Food Exports	52.8%	49.6%	
Canola Seed	1,677	1,842	9.8
Wheat	2,423	1,819	-24.9
Live Cattle (excl. Purebred)	585	623	6.4
Barley	195	142	-27.1
Hay and Fodder	96	89	-7.0
Other Primary Commodities	403	441	9.5
Alberta's Top Five Export Markets in 2016	2015r	2016p	% Chg.
1. United States (40.5% Share)	3,998	4,046	1.2
2. China (13.8% Share)	1,588	1,375	-13.4
3. Japan (12.3% Share)	1,101	1,226	11.3
4. Mexico (5.4% Share)	572	540	-5.8
5. South Korea (2.4% Share)	233	237	1.8

r - revised p - preliminary n/a - not applicable - - not available x - confidential kg - kilogram e - estimated s - per cent change suppressed

Note: Totals may not add up due to rounding.

Data Sources: Alberta Agriculture and Forestry; Statistics Canada; Agriculture and Agri-Food Canada; G3 Canada Limited; and CanFax.

This Factsheet was prepared by:

Alberta Agriculture and Forestry

July 2017

Canada Agri-Food Exports .

Economics and Competitiveness Branch

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