The Land and Precipitation

	Acres	% of Total
Total Land Area	158,229,129	
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 2020 = 1.70 million acres or 5.4% of the total cultivated land area in Alberta.

In 2020, the irrigation districts in Alberta accounted for 1.50 million acres. The breakdown of irrigated crop acres was: forages (34.5%), cereals (34.8%), canola (8.6%), canola seed (3.5%), dry beans (4.0%), potatoes (3.4%), sugar beets (2.2%), alfalfa seed (1.3%), and all other crops (7.7%). Types of irrigation systems practiced were: centre pivot sprinkler (86.9%), side-roll-wheel-move sprinkler (6.5%), gravity or "flood" (5.8%), and other irrigation systems (0.8%).

Precipitation (millimetres)	1961-2020		
April 1 to September 30 Cropping Season	Average	2019	2020
Medicine Hat	. 241.0	173.7	197.1
Calgary		328.5	395.3
Lacombe	. 341.9	314.6	345.4
Wainwright		244.6	322.1
Oliver (near Edmonton)	. 329.4	361.8	407.0
Beaverlodge	. 293.7	275.9	216.7

Population and Farms

	2019r	2020p	% Chg.
Population on July 1st	4,361,694	4,421,876	1.4
% of Canadian Population	11.6%	11.6%	
	_	2016	% of Total
Population on May 10, 2016		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, 2016		40,638	
Average Farm Size		1,237 acres	
Types of Farms (1)		2016	% of Total
Cattle (Beef)	-	12,282	30.2
Other Animal Production (excl. Beef Cattle)		6,450	15.9
Grain and Oilseed (excl. Wheat)		10,557	26.0

(1) Farm types based on the North American Industry Classification System.

Other Field Crops (excl. Grain and Oilseed)

(2) Includes greenhouse, nursery and floriculture production, fruit and vegetable combination farming, and all other miscellaneous crop farming.

2.894

6,530

1,925

7.1

16.1

4.7

Employed Labour Force

Other Farming (2)

2019r	2020p	% Chg.
2,279,300	2,129,800	-6.6
77,000	69,800	-9.4
49,000	42,500	-13.3
20,500	14,900	-27.3
23,300	22,100	-5.2
2,800	2,700	-3.6
2,500	2,800	12.0
28,000	27,300	-2.5
179,900	147,700	-17.9
60,500	52,300	-13.6
119,400	95,400	-20.1
	2,279,300 77,000 49,000 20,500 23,300 2,800 2,500 28,000 179,900 60,500	2,279,300 2,129,800 77,000 69,800 49,000 42,500 20,500 14,900 23,300 22,100 2,800 2,700 2,500 2,800 28,000 27,300 179,900 147,700 60,500 52,300

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

In 2020, Alberta's real gross domestic product for agri-food industries totalled \$9.7 billion, up 4.9% from 2019.

In Chained (2012) Dollars	2019r	2020p	% Chg.
All Industries	334,470.8	307,125.7	-8.2
Agri-Food Industries	9,234.9	9,684.2	4.9
Ägriculture	5,580.4	6,024.2	8.0
Food Manufacturing	3,014.2	3,018.1	0.1
Beverage Manufacturing	640.3	641.9	0.2

Consumer Price Index and Financial Rates (Annual Averages)

	2019	2020	% Chg.
Consumer Price Index (CPI) (2002=100)			_
Alberta - All Items	143.1	144.7	1.1
Food	149.2	153.2	2.7
Fresh or Frozen Meat (excl. Poultry)	166.7	176.6	5.9
Fresh or Frozen Poultry Meat	145.3	148.2	2.0
Fresh Fruit	142.9	144.0	0.8
Fresh Vegetables	151.1	157.5	4.2
Dairy Products	140.8	143.1	1.6
Financial Rates	2018	2019	2020
Canada Bank Rate (%)	1.69	2.00	0.79
Exchange Rate - US \$ Per Canadian \$	0.7716	0.7537	0.7456

Farm Cash Receipts (\$ Millions)

In 2020, Alberta's total farm cash receipts (FCR) reached a new industry high at \$15.4 billion, up 2.9% from 2019. Fuelling the gain were record crop market receipts and higher program payments to producers which more than offset lower livestock market receipts. FCR is the sum of crop and livestock market receipts plus direct program payments to producers. Alberta accounted for 21.4% of total Canadian FCR in 2020, and led the nation in total cattle and calf market receipts (\$5 billion).

	2019r	2020p	% Chg.
Total Farm Cash Receipts	14,992.7	15,433.0	2.9
Crop Market Receipts	6,919.6	7,442.5	7.6
Wheat	2,071.4	2,259.7	9.1
Oats	56.3	88.9	58.0
Barley	302.0	328.2	8.7
Dry Peas	377.2	414.9	10.0
Canola	2,429.7	2,678.1	10.2
Potatoes	253.8	271.9	7.1
Greenhouse and Field Vegetables	148.2	172.5	16.4
Lentils	68.6	160.2	133.6
Cannabis	522.1	533.0	2.1
Floriculture, Nursery and Sod	129.8	126.2	-2.8
Other Crops	560.5	408.9	-27.1
Livestock and Products Market Receipts	7,075.3	6,778.8	-4.2
Cattle and Calves	5,365.4	5,046.8	-5.9
Hogs	414.5	415.2	0.2
Lambs	26.4	29.9	13.2
Dairy Products	650.3	658.4	1.2
Poultry, Hatcheries and Eggs	435.1	450.0	3.4
Honey	61.6	61.4	-0.2
Other Livestock and Products	122.0	117.1	-4.0
Total Market Receipts	13,994.9	14,221.3	1.6
Direct Program Payments	997.8	1,211.7	21.4
Crop Insurance	674.6	800.3	18.6
Hail Insurance	62.8	69.8	11.1
AgriStability	111.6	112.2	0.6
AgriRecovery	0.0	13.3	n/a
Agrilnvest	63.5	58.2	-8.4
Other Payments	85.3	157.9	85.1

Livestock Industry

Alberta continues to be the largest beef-producing province in Canada. As of July 1, 2020, the province led the nation in cattle and calf inventories and accounted for 40.4% of the national herd. In 2020, over three-quarters of Canadian beef processing occurred in Western Canada (76.8%), with the vast majority concentrated in Alberta.

	2019r	2020p	% Chg.
Livestock on Farms (Head), July 1st			
Cattle and Calves	5,015,000	4,940,000	-1.5
Bulls	90,300	88,700	-1.8
Milk Cows and Dairy Heifers	126,000	126,900	0.7
Beef Cows and Beef Heifers	1,777,800	1,717,600	-3.4
Calves	1,622,800		-0.8
Slaughter Steers and Heifers	1,398,100	1,396,300	-0.1
Pigs	1,490,000	1,575,000	5.7
Sheep and Lambs	190,000	186,000	-2.1
Livestock Slaughtered (Head)	2019r	2020p	% Chg.
Cattle and Calves (1)	2,543,082	2,492,402	-2.0
Hogs	2,474,210	2.723.965	10.1
Production Quantity (tonnes)	, , ,	, -,	
Beef (e) (2)	974,248	969,442	-0.5
Pork (e)	229,302	254,636	11.0
Meat Product Manufacturing Sales (\$ Millions)	2019r	2020p	% Chg.
Meat Product Manufacturing Industries (3)	7,825.3	8,881.4	13.5
Value of International Exports (\$ Millions)			
Beef and Veal (incl. Offal)	2,414.9	2,485.4	2.9
Pork (incl. Offal)	431.7	513.6	19.0
Farm Cash Receipts (\$ Millions)			
Livestock and Livestock Products	7,075.3	6,778.8	-4.2
% of Total Farm Cash Receipts	47.2%	43.9%	
Selected Prices	_	2019	2020
Slaughter Steers, Alberta Direct Packer Sales* (\$/100) lbs) ⁻	\$149.20	\$138.85
Central Alberta Steer Calves, 500-600 lbs* (\$/100 lb	s)	\$220.14	\$221.16
Alberta Average Slaughter Hogs Index 100 Dressed (\$/kg)	\$1.58	\$1.44
* Livo Woight Racis			

- ive Weight Basis
- (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

	2019	2020p	% Chg.
Milk Production ('000 litres)	817,012	816,959	0.0

Poultry and Egg Production

	2019r	2020p	% Chg.
Chicken Meat (tonnes*)	126,054	126,884	0.7
Turkey Meat (tonnes*)	16,516	14,754	-10.7
Egg Production ('000 Dozen)	80,618	87,407	8.4

^{*} Eviscerated Weight

Beekeeping Industry

_	2019r	2020p	% Chg.
Honey Production (tonnes)	14,251	13,574	-4.8
Value of Honey Produced (\$'000)	58,188	63,715	9.5

Selected Alternative Livestock Inventory (Head)

	2019	2020p	% Chg.
Whitetail Deer and Mule Deer	895	1,033	15.4
Elk	11,988	10,699	-10.8

Crops

		ted Area acres) 2020p		luction tonnes) 2020p
Principal Field Crops				
Winter Wheat	77.3	89.4	103.1	160.4
Spring Wheat	6,389.0	6,183.1	9,512.8	9,555.9
Durum Wheat	742.6	1,003.9	647.3	1,324.7
All Wheat	7,208.9	7,276.4	10,263.2	11,041.0
Oats	578.3	605.5	834.8	802.0
Barley	3,144.8	3,277.2	4,955.2	5,283.0
All Rye	19.3	72.0	26.8	107.4
Mixed Grains	20.5	66.4	26.3	68.0
Flaxseed	106.6	93.3	81.5	78.6
Canola	5,820.8	5.716.8	5,320.1	5.212.1
Dry Beans	53.9	54.3	65.3	73.0
Dry Peas	1,743.3	1,592.4	1,685.9	1.799.2
Mustard Seed	99.8	79.7	27.6	36.5
Triticale	20.6	17.5	29.2	21.6
Tame Hay	3,852.1	3,821.7	6,674.7	6,379.3
Fodder Corn	151.6	121.5	1,687.6	2,018.2
Sugar Beets	17.9	29.0	520.7	833.1
Summerfallow	420.3	620.0	n/a	n/a
Commercial Fresh Vegetables	(ac	cres)	(to	nnes)
and Fruits	2019r	2020p	2019r	2020p
Beans	173	141	161	129
Carrots	453	408	3.616	3.602
Corn, Sweet	2,000	2,505	12,904	13,421
Onions, Dry	1,095	1.272	23,551	23,097
Peas, Green	2,411	1,272 X	2.818	4.284
Raspberries	140	111	69	51
Strawberries	173	168	209	194
Value of International Exports	170	100	200	104
(\$ Millions)		2019r	2020p	% Chg.
Total Crops	_	4,423.5	4,961.0	12.2
Wheat		2,009.2	2,321.5	15.5
Canola Seed		1.145.4	1.712.4	49.5
		217.4	241.1	10.9
Barley		523.3	214.2	-59.1
Dry Peas				
Other Crops		528.2	471.8	-10.7

Value of Principal Field Crops (\$/tonne)

	2016-17	2017-18r	2018-19r	2019-20p
No.1 CW Red Spring Wheat (13% or				
13.5%)	239.00	249.10	254.34	234.79
No.2 CP Spring Wheat (11% or 11.5%)	172.90	193.56	217.98	202.28
Oats (feedmill bids, Lethbridge)	183.53	193.08	233.64	233.00
Barley (feedmill bids, Lethbridge)	171.00	228.01	260.30	231.51
average prices)	479.67	493.10	445.19	440.97
No.2 CP Spring Wheat (11% or 11.5%) Oats (feedmill bids, Lethbridge)	172.90 183.53	193.56 193.08	217.98 233.64	202.2 233.0 231.5

2019r

46.2%

6,919.6

2020p 7,442.5

48.2%

Greenhouse Industry

Farm Cash Receipts (\$ Millions)

% of Total Farm Cash Receipts...

Total Crops ..

	2019r	2020p	% Chg.
Total Greenhouse Area ('000 sq. ft)	13,286	13,364	0.6
Total Sales (\$'000)	172,990	199,531	15.3

Food and Beverage Manufacturing Sales (\$ Millions)

In 2020, Alberta food manufacturing sales reached a new high of \$15.5 billion, or 23.8% of the province's total manufactured goods (\$65.0 billion). The leading food sub-sector was meat product manufacturing (including poultry) at \$8.9 billion, which accounted for 57.3% of the provincial food sales.

2019r	2020p	% Ung.
78,795.7	64,979.5	-17.5
16,162.2	х	-
20.5%	n/a	
14,730.1	15,496.2	5.2
7,825.3	8,881.4	13.5
53.1%	57.3%	
1,997.2	1,781.0	-10.8
1,077.7	1,203.2	11.6
3,829.8	3,630.5	-5.2
X	1,388.3	-
582.2	412.6	-29.1
853.2	964.8	13.1
1,432.1	X	-
	78,795.7 16,162.2 20.5% 14,730.1 7,825.3 53.1% 1,997.2 1,077.7 3,829.8 × 582.2 853.2	78,795.7 64,979.5 16,162.2 x n/a 14,730.1 15,496.2 7,825.3 8,881.4 53.1% 57.3% 1,997.2 1,781.0 1,077.7 1,203.2 3,829.8 3,630.5 x 1,388.3 582.2 412.6 853.2 964.8

(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) 2019r 2020p % Chg. Total Alberta Food and Beverage Stores 15,428.6 16,637.2 7.8 Grocery Stores (Supermarkets and Convenience) 11,880.3 12,677.6 6.7 Specialty Food Stores 717.4 772.5 7.7

2,831.0

3,187.1

12.6

Average Household Food Expenditure, 2019 (Per Year)

Beer, Wine and Liquor Stores ...

	Alberta	% of Food	Canada	% of Food
Total Household Expenditure	\$112,317		\$93,724	
Food Expenditure	\$11,322		\$10,311	
% Share of Total Expenditure	10.1%		11.0%	
Food Purchased From Restaurants	\$3,334		\$2,775	
Food Purchased From Stores	\$7,988	100.0%	\$7,536	100.0%
Fruits and Vegetables	\$1,979	24.8%	\$1,904	25.3%
Meat and Processed Meat	\$1,562	19.6%	\$1,481	19.7%
Dairy Products and Eggs	\$1,135	14.2%	\$1,049	13.9%
Bakery Products	\$686	8.6%	\$687	9.1%
Cereal Grains and Cereal				
Products	\$480	6.0%	\$420	5.6%
Fish and Seafood	\$210	2.6%	\$274	3.6%

Per Capita Consumption of Red Meats and Poultry, Canada

	Units	2000	2019r	2020p
Beef	kg ⁽¹⁾	32.02	25.47	25.58
Pork	kg (1)	28.69	22.13	18.84
Mutton and Lamb	kg ⁽¹⁾	0.94	0.99	0.99
Chicken	kg ⁽²⁾	29.12	35.12	34.44
Turkey	ka ⁽²⁾	4.26	3.93	3.79

(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)

	2019r	2020p	% Chg.
Property Taxes	120.0	126.0	4.9
Cash and Share Rent	767.6	791.1	3.1
Cash Wages, Room and Board	946.3	987.9	4.4
nterest	902.9	884.3	-2.1
Machinery Fuel	711.3	596.1	-16.2
Machinery Repairs	824.9	842.7	2.2
Fertilizer and Lime	1,421.9	1,335.1	-6.1
Pesticides	623.8	637.8	2.3
Commercial Feed	1,704.5	1,800.0	5.6
Livestock and Poultry Purchases	1,265.4	1,188.9	-6.0
Electricity and Telephone	312.6	315.9	1.0
Heating Fuel	97.6	104.6	7.1
Miscellaneous	2,355.1	2,436.6	3.5
Total Operating Expenses After Rebates	12,053.9	12,046.9	-0.1
Depreciation on Buildings	307.3	309.5	0.7
Depreciation on Machinery	1,614.4	1,663.1	3.0
Total Expenses After Rebates and Depreciation	13,975.6	14,019.5	0.3

(1) Net of provincial or federal rebates.

Net Farm Income (1) (\$ Millions)			
	2019r	2020p	% Chg.
1. Total Farm Cash Receipts	14,992.7	15,433.0	2.9
Total Operating Expenses After Rebates	12,053.9	12,046.9	-0.1
3. Net Cash Income (1 - 2)	2,938.8	3,386.0	15.2
4. Income in Kind	11.8	11.4	-2.7
5. Depreciation Charges	1,921.8	1,972.5	2.6
6. Realized Net Income (3 + 4 - 5)	1,028.8	1,424.9	38.5
7. Value of Inventory Change	-308.0	-371.0	S
8. Total Net Income (6 + 7)	720.8	1,053.9	46.2

(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)

	2019r	2020p	% Chg.
All Industries	59,440.5	49,750.0	-16.3
Agri-Food Industries	-	-	-
% Share of All Industries	n/a	n/a	
Agriculture Industries	1,492.6	1,407.7	-5.7
Crop Production	1,014.5	953.8	-6.0
Animal Production	432.9	433.7	0.2
Support Services	45.2	20.2	-55.3
Food and Beverage Manufacturing Industries	-	-	-
Food Industries	611.9	433.5	-29.2
Beverage Industries	X	Х	-

(1) Capital investment expenditures refer 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 2020, Alberta total agri-food exports set another record at \$12.4 billion, up 6.7% from 2019 (\$11.6 billion), with increases in both exports of primary commodities (animals and crops) and exports of processed products (value-added). Exports of primary commodities were up 9.2% from 2019 to \$5.8 billion in 2020, accounting for 46.3% of Alberta total agri-food exports. The increase was mainly because canola seed and wheat exports rebounded, with significant import growth from China compared to 2019. Among crops, pulse (dry peas, lentils, dry beans) and soybeans showed decreases. Exports of live hogs were up from 2019 while live cattle and other animals were down. Valueadded exports grew for the seventh consecutive year to \$6.7 billion, up 4.7% from 2019. due to higher exports of crude canola oil, pork, beef, and prepared animal feeds. Exports of beef, the largest value-added product, grew 2.9% in value to a record \$2.5 billion despite quantity falling 2.6%. The United States continues to be Alberta's largest market, accounting for 39.5% of total, followed by China (18.9%), Japan (10.4%) and Mexico (3.6%). Exports to China rebounded by 28.6% in 2020, with larger exports of crude canola oil. canola seed, wheat, prepared animal feeds, pork, etc., however still below the 2018 level.

	2019r	2020p	% Chg.
Canada Agri-Food Exports	60,031	68,137	13.5
Alberta Agri-Food Exports	11,644	12,426	6.7
Alberta as a % of Canada	19.4%	18.2%	
Value-Added Processed Products	6,372	6,669	4.7
As a % of Alberta Agri-Food Exports	54.7%	53.7%	
Beef and Veal (incl. Offal)	2,415	2,485	2.9
Crude Canola Oil	829	1,029	24.2
Oilseed Cake and Meal	641	636	-0.8
Pork (incl. Offal)	432	514	19.0
Processed Potatoes	381	364	-4.4
Prepared Animal Feeds	298	348	16.7
Malt Roasted or Not Roasted	212	176	-17.1
Other Value-Added Processed Products	1,163	1,116	-4.1
Primary Commodities (Crops and Animals)	5,272	5,757	9.2
As a % of Alberta Agri-Food Exports	45.3%	46.3%	
Wheat	2,009	2,321	15.5
Canola Seed	1,145	1,712	49.5
Live Cattle (excl. Purebred)	742	689	-7.2
Barley	217	241	10.9
Dry Peas	523	214	-59.1
Hay and Fodder	118	122	3.3
Other Primary Commodities	517	458	-11.4
Alberta's Top Five Export Markets in 2020	2019r	2020p	% Chg.
1. United States (39.5% Share)	4,683	4,911	4.9
2. China (18.9% Share)	1,825	2,347	28.6
3. Japan (10.4% Share)	1,311	1,291	-1.5
4. Mexico (3.6% Share)	456	453	-0.8
5. South Korea (1.9% Share)	291	234	-19.7

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; and CanFax.

This Factsheet was prepared by:

Alberta Agriculture and Forestry
Intergovernmental and Trade Relations Branch
Statistics and Data Development Section
#300, J.G. O'Donoghue Building, 7000 - 113 Street
Edmonton, Alberta, CANADA T6H 5T6
Phone: 780-422-4175 Fax: 780-427-5220 alberta.ca/agriculture.aspx

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