

The Land and Precipitation

	Acres	% of Total
Total Land Area.....	153,687,771	
Farm Land Area (2021 Census of Agriculture).....	49,157,232	100.0
Cultivated Land Area.....	31,285,810	63.6
Land in Crops.....	25,650,672	52.2
Summerfallow.....	385,178	0.8
Tame or Seeded Pasture.....	5,249,960	10.7
Natural Land for Pasture.....	15,126,085	30.8
All Other Land.....	2,744,899	5.6

Total irrigated area in 2022 = 1.81 million acres or 5.8% of the total cultivated land area in Alberta.

In 2022, the irrigation districts in Alberta accounted for 1.49 million acres. The breakdown of irrigated crop acres was: cereals (33.8%), forages (32.4%), canola (11.1%), potatoes (4.1%), canola seed (3.5%), dry beans (3.3%), dry peas (2.1%), sugar beets (2.0%), flax (1.6%), alfalfa seed (1.5%), and all other crops (1.4%). Types of irrigation systems practiced were: low pressure pivot (84.2%), wheel move (5.9%), high pressure pivot (4.2%), gravity or “flood” (5.0%), and other irrigation systems (0.7%).

Precipitation (millimetres)	1962-2022		
<i>April 1 to September 30 Cropping Season</i>	Average	2021	2022
Medicine Hat.....	248.6	134.0	199.3
Calgary.....	263.9	211.4	334.6
Lacombe.....	295.8	269.9	338.8
Wainwright.....	284.3	178.7	276.8
Oliver (near Edmonton).....	313.2	252.6	260.9
Beaverlodge.....	277.3	189.5	218.3

Population and Farms

	2021r	2022p	% Chg.
Population on July 1, 2022.....	4,443,773	4,543,111	2.2
% of Canadian Population.....	11.6%	11.7%	

	2021	% of Total
Population on May 11, 2021.....	4,262,635	100.0
Urban Population.....	3,612,608	84.8
Rural Population.....	650,027	15.2
Number of Census Farms on May 10, 2016.....	41,505	
Average Farm Size.....	1,184 acres	
Types of Farms ⁽¹⁾	2021	% of Total
Cattle (Beef).....	14,601	35.2
Other Animal Production (excl. Beef Cattle).....	4,174	10.1
Grain and Oilseed (excl. Wheat).....	13,942	33.6
Wheat.....	2,495	6.0
Other Field Crops (excl. Grain and Oilseed).....	6,555	15.8
Other Farming ⁽²⁾	1,895	4.6

(1) Farm types based on the North American Industry Classification System.
(2) Includes greenhouse, nursery and floriculture production, fruit and vegetable combination farming, and all other miscellaneous crop farming.

Employed Labour Force

	2021r	2022p	% Chg.
Total Employed Labour Force.....	2,259,600	2,376,100	5.2
Agri-Food Industries.....	64,200	69,000	7.5
Agriculture.....	41,300	43,200	4.6
Crop Production.....	14,000	14,500	3.6
Animal Production.....	22,300	23,800	6.7
Mixed Farming.....	2,400	3,500	45.8
Support Activities for Agriculture.....	2,600	x	n/a
Food and Beverage Manufacturing.....	22,900	25,800	12.7
Food - Retail Trade and Services.....	167,400	174,400	4.2
Food and Beverage Retail Stores.....	69,200	63,400	-8.4
Food Services and Drinking Places.....	98,200	111,000	13.0

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

In 2022, Alberta's real gross domestic product for agri-food industries totalled \$10.3 billion, up 24.8% from 2021, driven largely by gains from agriculture industries.

In Chained (2012) Dollars	2021r	2022p	% Chg.
All Industries.....	322,865.2	339,308.0	5.1
Agri-Food Industries.....	8,243.4	10,289.7	24.8
Agriculture.....	4,590.1	6,441.2	40.3
Food Manufacturing.....	3,030.3	3,155.8	4.1
Beverage Manufacturing.....	623.0	692.7	11.2

Consumer Price Index and Financial Rates (Annual Averages)

	2021	2022	% Chg.
Consumer Price Index (CPI) (2002=100)			
Alberta - All Items.....	149.3	158.9	6.4
Food.....	157.3	170.4	8.3
Fresh or Frozen Meat (excl. Poultry).....	187.7	202.0	7.6
Fresh or Frozen Poultry Meat.....	157.2	163.4	3.9
Fresh Fruit.....	147.5	162.7	10.3

Financial Rates	2020	2021	2022
Canada Bank Rate (%).....	0.79	0.50	2.25
Exchange Rate - US \$ Per Canadian \$.....	0.7456	0.7976	0.7682

Farm Cash Receipts (\$ Millions)

In 2022, Alberta's total farm cash receipts (FCR) reached a new industry high at \$22.3 billion, up 19.1% from 2021. The gain was driven by record crop and livestock market receipts and program payments to producers. FCR is the sum of crop and livestock market receipts plus direct program payments to producers. Alberta led all provinces in total FCR and accounted for 23.4% of total Canadian FCR in 2022.

	2021r	2022p	% Chg.
Total Farm Cash Receipts.....	18,684.2	22,253.4	19.1
Crop Market Receipts.....	8,941.0	10,503.6	17.5
Wheat.....	2,711.1	3,401.4	25.5
Oats.....	95.8	116.8	21.9
Barley.....	520.0	596.0	14.6
Canola.....	3,642.5	4,386.6	20.4
Dry Peas.....	378.2	500.5	32.3
Potatoes.....	287.9	312.2	8.4
Greenhouse and Field Vegetables.....	179.1	197.7	10.4
Lentils.....	162.4	194.9	20.0
Cannabis.....	249.0	175.2	-29.6
Floriculture, Nursery and Sod.....	123.3	128.8	4.4
Other Crops.....	591.7	493.5	-16.6
Livestock and Products Market Receipts.....	7,661.8	8,955.4	16.9
Cattle and Calves.....	5,640.3	6,722.8	19.2
Hogs.....	587.7	621.0	5.7
Lambs.....	32.2	35.2	9.5
Dairy Products.....	681.2	755.2	10.9
Poultry, Hatcheries and Eggs.....	505.8	572.9	13.3
Honey.....	82.4	94.1	14.2
Other Livestock and Products.....	132.3	154.2	16.5
Total Market Receipts.....	16,602.8	19,459.0	17.2
Direct Program Payments.....	2,081.4	2,794.4	34.3
Crop Insurance.....	1,578.0	2,256.0	43.0
Hail Insurance.....	81.0	93.4	15.3
AgriStability.....	103.9	130.1	25.3
AgriRecovery.....	195.6	171.1	-12.5
AgriInvest.....	61.2	54.2	-11.6
Other Payments.....	61.8	89.7	45.3

Livestock Industry

Alberta continues to be the largest beef-producing province in Canada. As of July 1, 2022, the province led the nation in cattle and calf inventories and accounted for 43.6% of the national herd (12.3 million herd). In 2022, over three-quarters of Canadian beef processing occurred in Western Canada (76.9%), with the vast majority concentrated in Alberta.

	2021r	2022p	% Chg.
Livestock on Farms (Head), July 1st			
Cattle and Calves.....	5,460,000	5,380,000	-1.5
Bulls.....	100,000	100,300	0.3
Milk Cows and Dairy Heifers.....	128,800	128,500	-0.2
Beef Cows and Beef Heifers.....	1,979,600	1,963,500	-0.8
Calves.....	1,727,700	1,669,500	-3.4
Slaughter Steers and Heifers.....	1,523,900	1,518,200	-0.4
Pigs.....	1,585,000	1,565,000	-1.3
Sheep and Lambs.....	213,900	227,300	6.3
Livestock Slaughtered (Head)	2021r	2022p	% Chg.
Cattle and Calves ⁽¹⁾	2,655,231	2,674,857	0.7
Hogs.....	2,655,980	2,639,186	-0.6
Production Quantity (tonnes)			
Beef (e) ⁽²⁾	1,021,416	1,051,108	2.9
Pork (e).....	259,086	264,471	2.1
Meat Product Manufacturing Sales (\$ Millions)	2021r	2022p	% Chg.
Meat Product Manufacturing Industries ⁽³⁾	10,060.4	11,387.7	13.2
Value of International Exports (\$ Millions)			
Beef and Veal (incl. Offal).....	3,480.4	3,588.2	3.1
Pork (incl. Offal).....	517.0	538.8	4.2
Farm Cash Receipts (\$ Millions)			
Livestock and Livestock Products.....	7,661.8	8,955.4	16.9
% of Total Farm Cash Receipts.....	41.0%	40.2%	
Selected Prices	2021	2022	
Slaughter Steers, Alberta Direct Packer Sales* (\$/100 lbs).....	\$155.92	\$173.08	
Central Alberta Steer Calves, 500-600 lbs* (\$/100 lbs).....	\$224.38	\$246.16	
Alberta Average Slaughter Hogs Index 100 Dressed (\$/kg).....	\$2.06	\$2.27	

* Live 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

	2021	2022p	% Chg.
Milk Production ('000 litres).....	849,652	829,604	-2.4

Poultry and Egg Production

	2021r	2022p	% Chg.
Chicken Meat (tonnes*).....	129,605	129,738	0.1
Turkey Meat (tonnes*).....	14,092	11,505	-18.4
Egg Production ('000 Dozen).....	86,239	87,155	1.1

* Eviscerated Weight

Beekeeping Industry

	2021r	2022p	% Chg.
Honey Production (tonnes).....	15,450	13,793	-10.7
Value of Honey Produced (\$'000).....	93,216	94,706	1.6

Selected Alternative Livestock Inventory (Head)

	2021	2022p	% Chg.
Whitetail Deer and Mule Deer.....	516	498	-3.5
Elk.....	8,579	8,034	-6.4

Crops

	Harvested Area ('000 acres)		Production ('000 tonnes)	
	2021	2022p	2021	2022p
Principal Field Crops				
Winter Wheat.....	154.4	115.0	178.0	185.1
Spring Wheat.....	5,597.0	6,303.4	5,597.9	9,963.7
Durum Wheat.....	964.4	1,073.1	598.9	1,194.5
All Wheat.....	675.8	7,491.5	6,374.8	11,343.1
Oats.....	604.3	752.6	546.7	1,054.7
Barley.....	3,532.9	3,257.9	3,647.9	5,380.7
All Rye.....	62.3	63.9	87.1	91.2
Mixed Grains.....	69.6	53.1	64.1	61.0
Flaxseed.....	121.1	128.3	51.9	83.2
Canola.....	6,619.1	6,476.3	4,341.0	5,591.7
Dry Beans.....	72.7	43.6	95.7	49.7
Dry Peas.....	1,430.6	1,304.6	894.6	1,555.3
Mustard Seed.....	75.1	141.4	14.7	45.9
Triticale.....	24.7	22.1	19.4	23.4
Tame Hay.....	3,663.1	3,807.9	3,856.1	5,748.4
Fodder Corn.....	132.0	109.2	1,679.6	1,866.4
Sugar Beets.....	30.0	31.9	942.4	1,008.8
Summerfallow.....	385.2	359.0	n/a	n/a

	(acres)		(tonnes)	
	2021r	2022p	2021r	2022p
Commercial Fresh Vegetables and Fruits				
Beans.....	152.0	x	128.0	130.0
Carrots.....	632.0	552.0	3,800.0	3,832.0
Corn, Sweet.....	2,588.0	2,242.0	11,720.0	12,639.0
Onions, Dry.....	1,512.0	1,499.0	27,399.0	27,947.0
Peas, Green.....	2,640.0	2,189.0	x	3,724.0
Raspberries.....	x	96.0	37.0	42.0
Strawberries.....	81.0	x	x	60.0

Value of International Exports (\$ Millions)	2021r	2022p	% Chg.
Total Crops.....	5,157.9	6,350.3	23.1
Wheat.....	2,414.4	3,077.1	27.5
Canola Seed.....	1,712.5	1,937.1	13.1
Barley.....	352.6	407.3	15.5
Dry Peas.....	219.7	274.1	24.8
Other Crops.....	458.7	654.6	42.7

Farm Cash Receipts (\$ Millions)	2021r	2022p	% Chg.
Total Crops.....	8,941.0	10,503.6	17.5
% of Total Farm Cash Receipts.....	47.9%	47.2%	

Value of Principal Field Crops (\$/tonne)

	2018-19	2019-20r	2020-21r	2021-22p
No.1 CW Red Spring Wheat (13% or 13.5%).....	254.34	234.79	277.63	481.15
No.2 CP Spring Wheat (11% or 11.5%).....	217.98	202.28	253.09	438.76
Oats (feedmill bids, Lethbridge).....	233.64	233.00	252.29	524.55
Barley (feedmill bids, Lethbridge).....	260.30	231.51	293.41	433.00
Canola (canola seed crusher average prices).....	450.97	436.60	679.58	1,002.11

Greenhouse Industry

	2021r	2022p	% Chg.
Total Greenhouse Area ('000 sq. ft)	14,902.8	15,189.1	1.9
Total Sales (\$'000).....	205,153	218,258	6.4

Food and Beverage Manufacturing Sales (\$ Millions)

In 2022, Alberta food manufacturing sales reached a new high of \$22.7 billion, or 20.9% of the province's total manufactured goods (\$108.5 billion). The leading food sub-sector was meat product manufacturing (including poultry) at \$11.4 billion, which accounted for 50.2% of the provincial food sales.

	2021r	2022p	% Chg.
All Manufacturing Industries	88,327.5	108,543.9	22.9
Food and Beverage Manufacturing Industries..	21,429.0	x	n/a
% Share of All Manufacturing	24.3%	n/a	
Food Manufacturing Industries	19,883.5	22,706.9	14.2
Meat Product Manufacturing (incl. Poultry)	10,060.4	11,387.7	13.2
% Share of Food Manufacturing	50.6%	50.2%	
Grain and Oilseed Milling	4,574.7	4,981.6	8.9
Animal Foods (incl. Livestock Feed)	1,299.2	1,995.9	53.6
All Other Food Manufacturing	3,949.2	4,341.7	9.9
Dairy Products	1,515.6	1,517.9	0.1
Bread and Bakery Products.....	536.7	521.9	-2.8
Other Food Manufacturing ⁽¹⁾	929.2	1,033.1	11.2
Beverage Manufacturing Industries	1,545.4	x	n/a

(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)

	2021r	2022p	% Chg.
Total Alberta Food and Beverage Stores	16,105.1	15,806.4	-1.9
Grocery Stores (Supermarkets and Convenience)	12,539.8	12,064.7	-3.8
Specialty Food Stores	539.6	756.9	40.3
Beer, Wine and Liquor Stores	3,025.7	2,984.8	-1.4

Average Household Food Expenditure, 2019 (Per Year)

	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	\$687	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	2002	2021r	2022p
Beef	kg ⁽¹⁾	30.58	24.10	24.84
Pork	kg ⁽¹⁾	27.80	18.92	20.17
Mutton and Lamb	kg ⁽¹⁾	1.03	0.97	1.09
Chicken	kg ⁽²⁾	32.24	36.92	37.92
Turkey	kg ⁽²⁾	4.22	3.63	3.34

(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)

	2021r	2022p	% Chg.
Property Taxes	123.4	122.4	-0.9
Cash and Share Rent	809.8	931.0	15.0
Cash Wages, Room and Board	950.4	986.7	3.8
Interest.....	865.0	1,036.6	19.8
Machinery Fuel	719.8	1,117.8	55.3
Machinery Repairs	885.4	936.4	5.8
Fertilizer and Lime	1,778.4	2,918.7	64.1
Pesticides.....	666.3	726.8	9.1
Commercial Feed.....	2,233.6	2,760.8	23.6
Livestock and Poultry Purchases.....	1,351.0	1,656.2	22.6
Electricity.....	268.0	433.2	61.7
Heating Fuel	102.0	122.6	20.2
Miscellaneous.....	2,543.8	2,826.8	11.1
Total Operating Expenses After Rebates	13,296.9	16,575.9	24.7
Depreciation on Buildings	365.7	413.4	13.0
Depreciation on Machinery	1,818.3	1,977.0	8.7
Total Expenses After Rebates and Depreciation	15,480.9	18,966.3	22.5

(1) Net of provincial or federal rebates.

Net Farm Income ⁽¹⁾ (\$ Millions)

	2021r	2022p	% Chg.
1. Total Farm Cash Receipts	18,684.2	22,253.4	19.1
2. Total Operating Expenses After Rebates	13,296.9	16,575.9	24.7
3. Net Cash Income (1 - 2)	5,387.3	5,677.5	5.4
4. Income in Kind	13.2	12.2	-7.3
5. Depreciation Charges.....	2,184.0	2,390.4	9.5
6. Realized Net Income (3 + 4 - 5)	3,216.5	3,299.3	2.6
7. Value of Inventory Change	-2,328.3	2,794.8	s
8. Total Net Income (6 + 7).....	888.2	6,094.1	586.1

(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)

	2021r	2022p	% Chg.
All Industries	55,796.8	63,603.3	14.0
Agri-Food Industries	x	x	n/a
% Share of All Industries.....	x	x	
Agriculture Industries	2,045.5	2,176.6	6.4
Crop Production	1,513.8	1,626.0	7.4
Animal Production	489.4	512.6	4.7
Support Services.....	42.3	38.0	-10.2
Food and Beverage Manufacturing Industries...	x	x	n/a
Food Industries	274.5	359.7	31.0
Beverage Industries.....	x	x	n/a

(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 2022, Alberta's total agri-food exports reached a record \$16.2 billion, up 14.6% from 2021 (\$14.1 billion). Exports of value-added processed products increased by 7.7% to \$8.9 billion representing 54.9% of the total provincial agri-food exports. This can be attributed to higher exports of oilseed cake and meal, beef, processed potatoes, canola oil (refined) and other cereals milled. Exports of beef, the largest value-added product, grew 3.1% to reach an all time high of \$3.6 billion.

Exports of primary commodities rose by 24.3% to \$7.3 billion, and accounted for 45.1% of provincial total agri-food exports. Among crops, there was a substantial increase in exports of wheat (27.4%), canola seed (13.1%), lentils (347.1%), barley (15.5%) and dried peas (24.8%). Live cattle exports (excluding purebred) also increased (39.9%).

The top five export markets accounted for 80.2% of the total agri-food exports. The United States continued to be Alberta's largest market, accounting for 45.7% of the total, followed by China (15.8%), Japan (10.7%), Mexico (5.4%) and South Korea (2.6%). Agri-food exports to these top five markets increased in 2022, with the exception of China where they decreased.

	2021r	2022p	% Chg.
Canada Agri-Food Exports	74,286.2	85,069.2	14.4
Alberta Agri-Food Exports	14,122.5	16,184.6	14.6
Alberta as a % of Canada	19.0%	19.0%	
Value-Added Processed Products	8,252.3	8,888.1	7.7
As a % of Alberta Agri-Food Exports.....	58.4%	54.9%	
Beef and Veal (incl. Offal).....	3,480.4	3,588.2	3.1
Oilseed Cake and Meal	763.9	1,103.1	44.4
Crude Canola Oil	1,142.2	963.3	-15.7
Pork (incl. Offal)	455.7	560.7	23.0
Processed Potatoes.....	517.0	540.2	4.5
Prepared Animal Feeds	427.5	399.0	-6.7
Refined Canola Oil	178.2	266.5	49.5
Other Value-Added Processed Products	1,287.3	1,467.0	14.0
Primary Commodities (Crops and Animals).....	5,870.2	7,296.4	24.3
As a % of Alberta Agri-Food Exports.....	41.6%	45.1%	
Wheat	2,414.4	3,075.3	27.4
Canola Seed	1,712.5	1,936.2	13.1
Live Cattle (excl. Purebred)	596.6	834.8	39.9
Barley	352.6	407.2	15.5
Dry Peas	219.7	274.1	24.8
Hay and Fodder	165.4	189.8	14.7
Other Primary Commodities.....	409.1	579.1	41.6
Alberta's Top Five Export Markets in 2022	2021r	2022p	% Chg.
1. United States (45.7% Share).....	6,079.7	7,390.5	21.6
2. China (15.8% Share).....	2,597.5	2,560.4	-1.4
3. Japan (10.7% Share)	1,461.2	1,733.0	18.6
4. Mexico (5.4% Share)	697.7	867.9	24.4
5. South Korea (2.6% Share)	305.3	420.4	37.7

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 Irrigation; Statistics Canada;
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