

Table 14: Alberta Gross Domestic Product (GDP) for Agriculture Industries in Chained (2002) Dollars and Nominal Dollars, 1999-2008

	1999	2000	2001	2002	2003	2004r	2005r	2006r	2007r	2008p
At Basic Prices in Chained (2002) Dollars (1) (\$ Millions)										
All Alberta Industries	130,697.5	139,171.5	141,905.0	144,266.2	148,953.0	157,088.1	164,545.3	174,079.8	179,064.1	178,711.3
% Change From Previous Year	2.1	6.5	2.0	1.7	3.2	5.5	4.7	5.8	2.9	-0.2
Agriculture Industries	4,710.9	4,636.1	3,767.5	2,664.8	3,921.0	4,548.8	4,778.6	4,503.5	4,392.7	4,670.1
% Change From Previous Year	10.8	-1.6	-18.7	-29.3	47.1	16.0	5.1	-5.8	-2.5	6.3
Crop and Animal Production	4,648.3	4,571.9	3,701.1	2,595.7	3,844.7	4,480.9	4,697.8	4,425.6	4,318.2	4,587.6
% Change From Previous Year	11.0	-1.6	-19.0	-29.9	48.1	16.5	4.8	-5.8	-2.4	6.2
Support Activities for Agriculture	62.6	64.2	66.4	69.1	76.3	67.9	80.8	77.9	74.5	82.5
% Change From Previous Year	-1.9	2.6	3.4	4.1	10.4	-11.0	19.0	-3.6	-4.4	10.7
Support Activities for Crop Production	33.1	28.7	27.2	30.7	47.3	35.2	45.4	41.4	38.5	45.4
% Change From Previous Year	-0.3	-13.3	-5.2	12.9	54.1	-25.6	29.0	-8.8	-7.0	17.9
Support Activities for Animal Production	29.5	35.5	39.2	38.4	29.0	32.7	35.4	36.5	36.0	37.1
% Change From Previous Year	-3.6	20.3	10.4	-2.0	-24.5	12.8	8.3	3.1	-1.4	3.1
In Nominal Dollars (2) (\$ Millions)										
All Alberta Industries	111,505.9	139,045.0	148,393.3	144,266.2	163,676.2	183,009.4	212,773.0	-	-	-
% Change From Previous Year	9.2	24.7	6.7	-2.8	13.5	11.8	16.3	-	-	-
Agriculture Industries	2,898.8	2,819.6	3,175.2	2,664.8	3,211.9	3,732.6	3,041.0	-	-	-
% Change From Previous Year	2.5	-2.7	12.6	-16.1	20.5	16.2	-18.5	-	-	-
% Share of All Industries	2.6	2.0	2.1	1.8	2.0	2.0	1.4	-	-	-
Crop and Animal Production	2,846.0	2,764.4	3,116.2	2,595.7	3,135.4	3,661.3	2,953.0	-	-	-
% Change From Previous Year	2.6	-2.9	12.7	-16.7	20.8	16.8	-19.3	-	-	-
Support Activities for Agriculture	52.8	55.2	59.0	69.1	76.5	71.3	88.0	-	-	-
% Change From Previous Year	-0.4	4.5	6.9	17.1	10.7	-6.8	23.4	-	-	-
Support Activities for Crop Production	28.2	26.4	26.0	30.7	45.0	35.1	48.3	-	-	-
% Change From Previous Year	-1.1	-6.4	-1.5	18.1	46.6	-22.0	37.6	-	-	-
Support Activities for Animal Production	24.6	28.8	33.0	38.4	31.5	36.2	39.7	-	-	-
% Change From Previous Year	0.4	17.1	14.6	16.4	-18.0	14.9	9.7	-	-	-

(1) The official measure of GDP published by Statistics Canada is expressed in Chained Fisher 2002 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" (2002) 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.

(2) Data in current dollars were not available from 2006 to 2008 at time of printing this publication.

Source: Statistics Canada CANSIM Table Number 379-0025