



Agriculture and  
Agri-Food Canada

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Agroalimentaire Canada



*Medium Term Outlook  
for Canadian Agriculture  
International and Domestic Markets*

*January 2010*

Canada

# Medium Term Outlook for Canadian Agriculture

## International and Domestic Markets

January 2010

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## Foreword

The purpose of this document is to describe the features of the Agriculture and Agri-Food Canada (AAFC) Medium Term Outlook for Canadian Agriculture covering the period 2009 to 2019. The outlook is an attempt to outline a plausible future of the international and domestic agri-food sectors. It serves as a benchmark for discussion and scenario analysis.

The outlook makes specific assumptions and outlines their implications. Since it assumes that policies remain unchanged from existing legislation, the outlook is not a forecast of future events. In particular there are no assumptions made regarding the outcome of the Doha round of trade negotiations. It also assumes no impact from climate change and from policy to mitigate climate change nor significant animal disease outbreaks or unusual climatic conditions over the period of the outlook. **Finally in the absence of a final WTO decision on COOL, policies currently in place are maintained throughout the baseline.**

The outlook was produced with two econometric models of agricultural markets based upon information available in the fall of 2009. The AGLINK/COSIMO model of the Organization for Economic Cooperation and Development (OECD) and of the Food and Agriculture Organization (FAO) was used to produce the international outlook and the AAFC Food and Agriculture Regional Model (FARM) was used for the national outlook.

The starting point of the international baseline is the so-called lower GDP slow recovery medium term scenario published in the OECD/FAO Agricultural Outlook 2009-2018. This scenario was updated in the short term using macro-economic forecasts released by the OECD in September 2009 and by the World Bank in June 2009. Exchange rates were updated to reflect the information released at the end of 2008 and in the first 6 months of 2009. The agricultural outlook was updated to reflect short term price forecasts produced and released by the U.S. Department of Agriculture (USDA) in October 2009. The evolution of the world crude oil price reflects mostly the assumptions contemplated by Natural Resources Canada in the fall of 2009.

The Canadian macro-economic forecasts for 2009 to 2014 are from the Conference Board of Canada outlook published in September 2009 except for the crude oil price. The year-to-year percentage change in 2014 was maintained for each year of the period 2015 to 2019 for each macro-economic variables used in FARM.



# INTERNATIONAL MARKETS





## *Macroeconomic assumptions*

- The world population is expected to grow by slightly more than 1% per year. Growth in developing countries is anticipated to be almost three times higher than in the OECD and, as a result, the OECD share of world population should fall from 18.2 to 17.1%.
- World gross domestic product (GDP) growth has dropped from 3.8% in 2007 to 1.9% in 2008 and to -2.9% in 2009. The GDP of the OECD declined in 2009 for the first time in the postwar period by as much as 4%. World growth is expected to reach 2% in 2010 but around 1% for the OECD region as a whole. Growth of the developing economies should fall from 6% in 2008 to only 1% in 2009 followed by a 4.4% increase in 2010. Growth in China, Russia, South Africa and India is expected to be the strongest over the medium term.
- The inflation rate jumped to 3.6% in 2008 as the OECD economies absorbed the higher commodity prices. With their decline and the recession in 2009 inflation should fall to only 0.5% for the G7 in 2009 and remains below 2% for the remaining years of the outlook. Inflation will be much stronger in the emerging and developing economies.
- The U.S. dollar appreciated against major currencies in 2008 and/or 2009 with the exception of the Chinese yuan and the Japanese yen. The 2009 economic crisis has resulted in a major depreciation of the Korean won, Russian ruble and Mexican peso. The exchange rate of Australia, Canada, Argentina, Brazil, Chile, India, the European Union and South Africa have depreciated by an average of 9% in 2009 against the U.S. dollar. Over the medium term no major appreciation or depreciation in real terms is assumed for most currencies.
- The price of crude oil is assumed to have fallen to 62 US\$/barrel in 2009 and then rapidly return to 92 US\$/bbl by 2012, followed by a gradual increase to 114 US\$/barrel by 2019.

## *Foreign policies*

- The mandatory country-of-origin labeling (COOL) was implemented on the 30th of September 2008 by the U.S. The new U.S. Average Crop Revenue Election (ACRE) will be in place as of the 2009 crop year.
- The mandatory 10% set-aside of arable land in the European Union has been eliminated over the entire outlook period. The gradual increase and the elimination of the milk production quota in the European Union is included in the outlook.
- A tax of 35% is imposed on Argentinean oilseed exports for the duration of the outlook.
- Russian grain exports are not affected by export taxes.
- China maintains value added taxes on grains traded and corn and wheat imports are much smaller than their respective TRQs.
- Mexican direct and procampo payments are assumed to be stable in real terms.
- Restrictions on Korean beef imports in relation to bovine spongiform encephalopathy (BSE) are eliminated.
- No trade restrictions from the H1N1 outbreak are assumed after 2009.



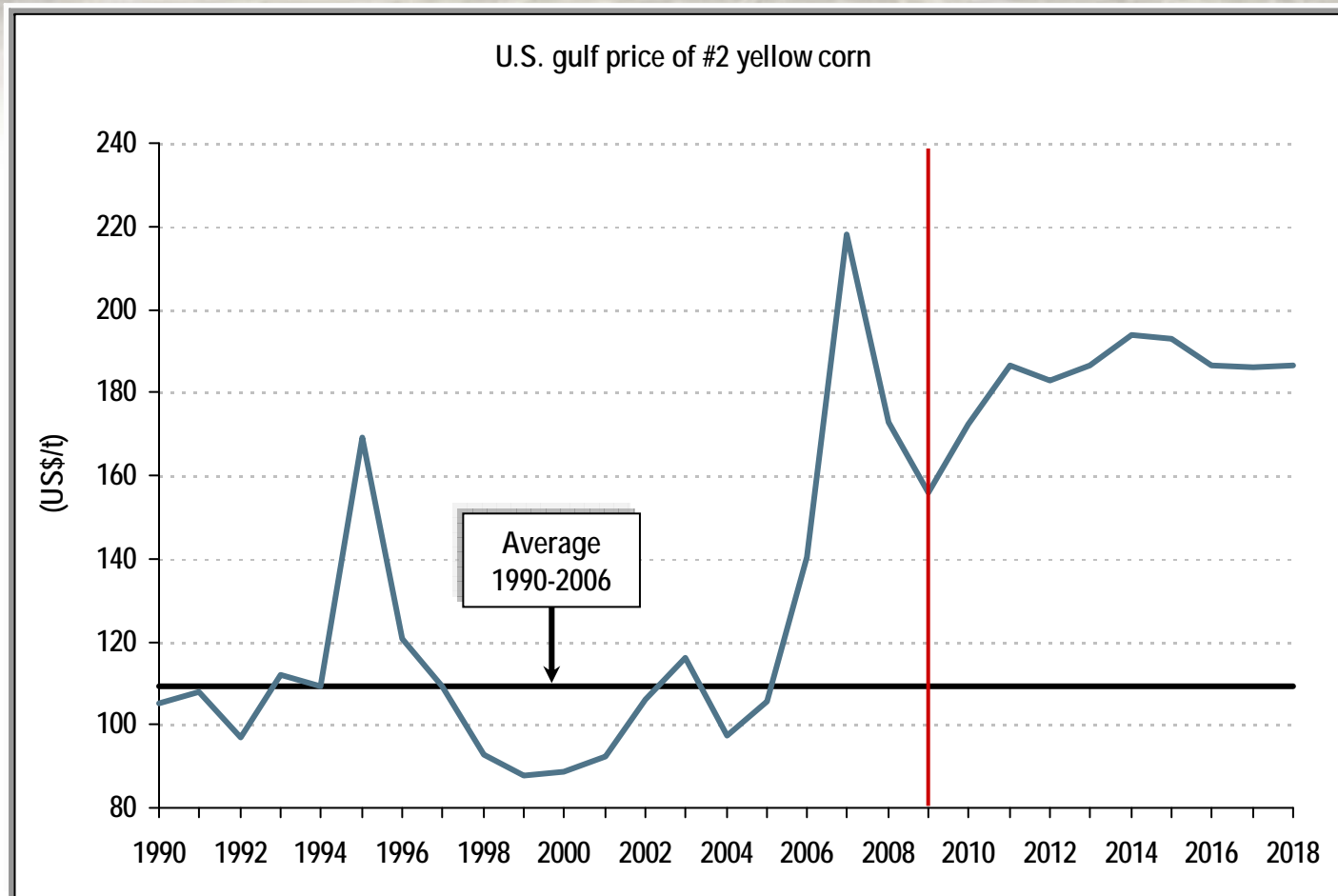
## Biofuel markets

- It is assumed that all the yearly renewable fuel mandates announced by the U.S. in December 2007 will be at least reached over the outlook period except the cellulosic ethanol mandate and all the other measures will not be modified.
  - ❖ By 2015 the U.S. will be consuming 56.7 billion liters of corn based ethanol and will be producing slightly more because Canada will be a net importer.
  - ❖ According to the OECD, by 2018 the U.S. will be producing and consuming 5.5 billion liters of cellulosic ethanol which represents a huge increase but is much smaller than the target of 26.5 billion liters. Most of that production will be from crop residues. Ethanol from dedicated biomass like switchgrass will only start to grow after 2012.
  - ❖ The bio-diesel mandate established at 3.78 billion liters will be met by 2012 and consumption will remain at that level after 2012. Most of the mandate will be filled by local production of which 25% will be from tallow and inedible animal fat.
  - ❖ By 2018, 10.4 billion liters of ethanol will also be consumed under the other advanced biofuels mandate (10.4 represents 92% of the mandate). This quantity will initially be mostly from imports from the Caribbean of dehydrated Brazilian ethanol until it gradually reaches the tariff rate quota in 2016. The rest will be mostly filled by imports of ethanol from sugar cane produced in the Caribbean and Central American countries.
- Prices of other advanced biofuels will be higher than corn based ethanol because it will reflect the next lowest cost of producing ethanol in the U.S., i.e. from wheat. It will, however, not be high enough to allow direct imports from Brazil. The price of cellulosic ethanol will be even higher in spite of technological progress.
- The corn based ethanol mandate in the U.S. will be binding on a permanent basis sometime in 2010, and as a result blenders will be forced to increase the price of gasoline in order to finance losses on ethanol. In this situation the link between crude oil and corn prices is weaker.
- The European Union fuel ethanol consumption mandate should increase significantly, following the implementation of the new Renewable Energy Directive which calls for a 10% share of renewable energy in the transport fuel mix by 2020. According to the OECD, it should reach 6.6% (energy basis) of gasoline-type transport fuels by 2018. Because of the increasing blending mandate, European Union biodiesel consumption should reach 22 billion liters by 2018.
- World biofuels production should increase from 86 billion liters in 2008 to 200 billion liters in 2019.

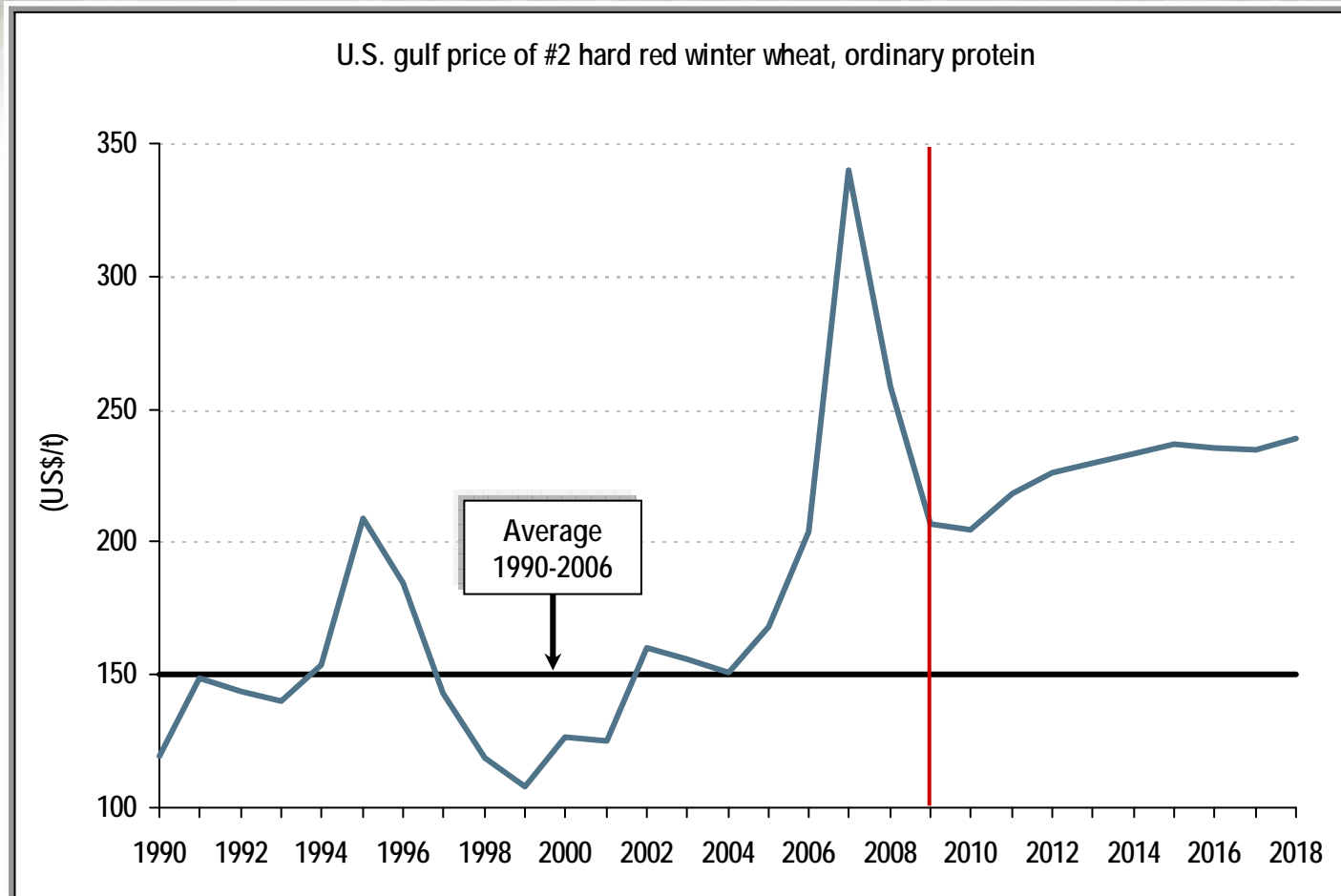
## Highlights

- The worst world wide economic recession in the last 70 years and the sharp increase in world crop production in the last two years, resulting from the record prices of 2008, combined with favorable weather will lead to a further decline in world prices of grains and oilseeds in 2009-10. The anticipated economic recovery in 2010, a gradual return to a 100 US\$/barrel crude oil price by 2015 and the large biofuel mandates in the U.S. and in the European Union will all contribute to new higher price plateau for vegetable oil, oilseeds, rice and coarse grains over the medium term compared to the period before 2006.
- The world economic recession had a severe negative impact on demand for meats. For pork that was exacerbated by the H1N1 outbreak. These factors have delayed the adjustment of red meat prices to the higher price of feed. As a result, the red meat producers of most countries around the world experienced another very difficult year in 2009. With the anticipated economic recovery in 2010 and a significant reduction in red meat supply, prices are expected to grow but not enough for a return to profitability. The next hog price peak should be reached in 2011 and 2012. The hog-corn price ratio should improve over the medium term compared to 2008 and 2009, but will not return to levels prevailing before the large increase in crop prices. This will also be the case for the steer-corn price ratio although farmers will be able to mitigate part of the cost increase by changing feeding practices (more short keep) and by using more distiller's dried grains (DDG). The next peak in the U.S. cattle price cycle should be in 2013/15. U.S. poultry and eggs prices should adjust the most and the most rapidly to the higher cost since feed accounts for the largest proportion of variable cost and the production cycle is the shortest.
- After a large decline in 2009 resulting mostly from the financial and economic crisis, world prices of dairy products are expected to return to the positive trend started at the beginning of the century because of strong demand, production constraints in Oceania, higher cost of production and lower subsidized exports. At the end of the outlook period, prices should be lower than in 2008 but significantly higher than at the beginning of the century. World prices of chicken cuts have also fallen significantly in 2009 because of the financial and economic crisis. Supply should remain large in the medium term because of the recent depreciation of the Real and this will prevent strong increases in prices.

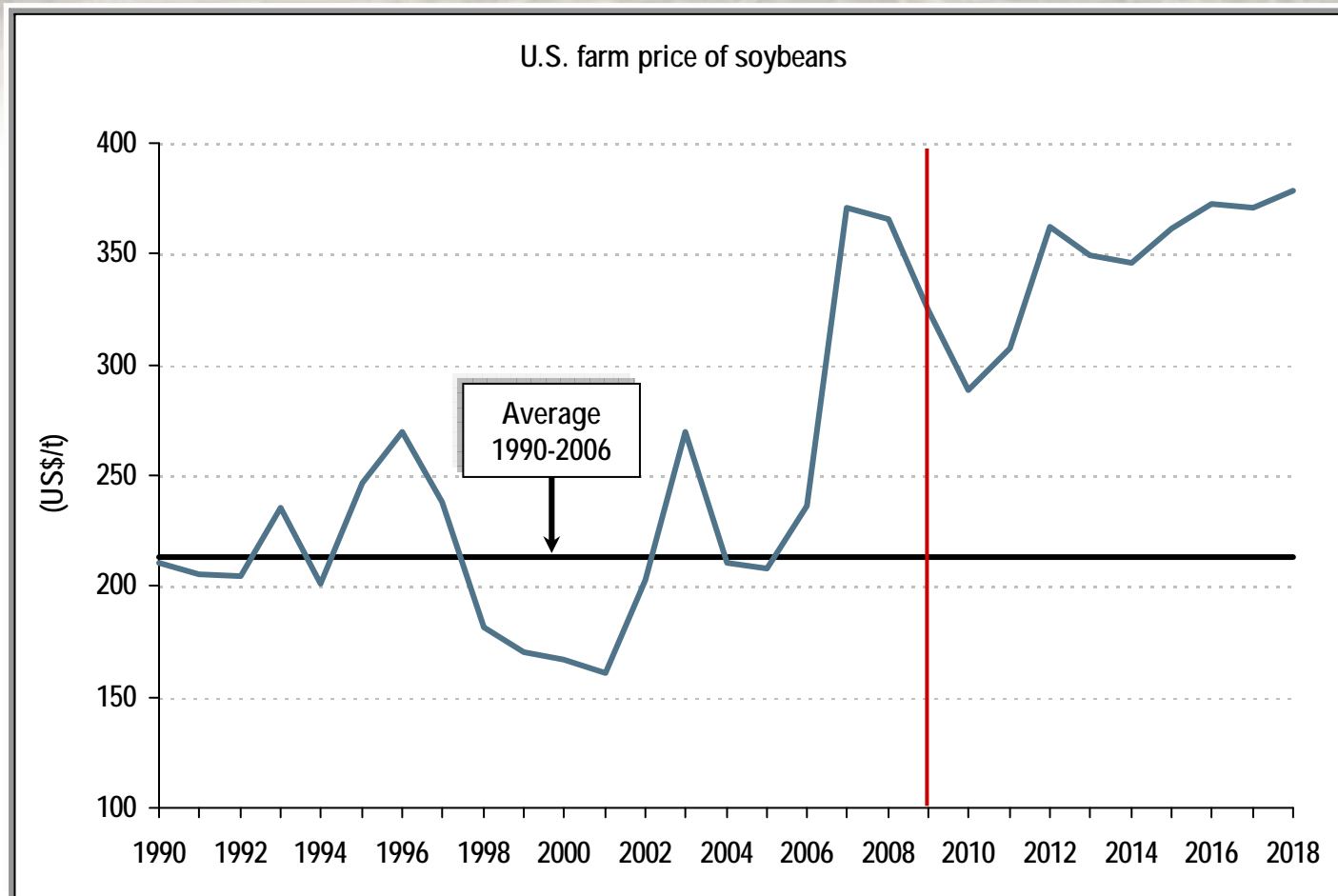
*Stronger demand for corn is expected to lead to a new higher world price plateau in the medium term*



*Wheat prices should also reach a new plateau partly because of the substitution with coarse grains on the feed demand and supply side*

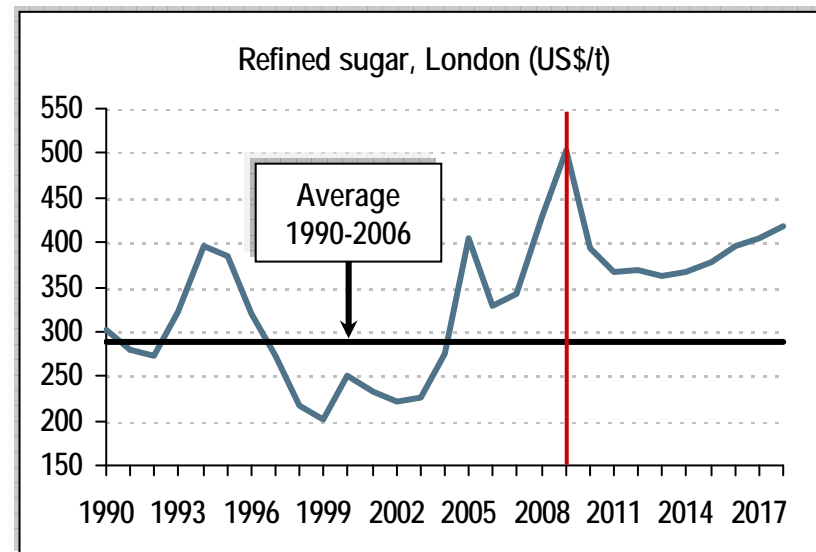
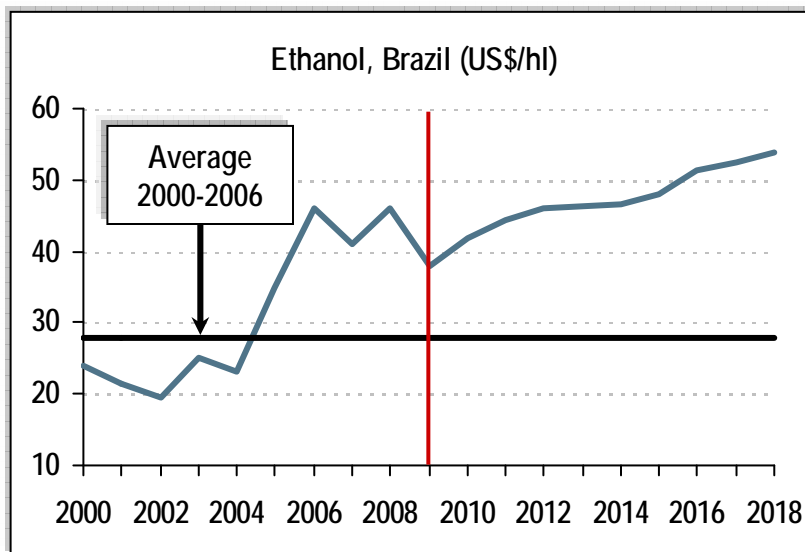
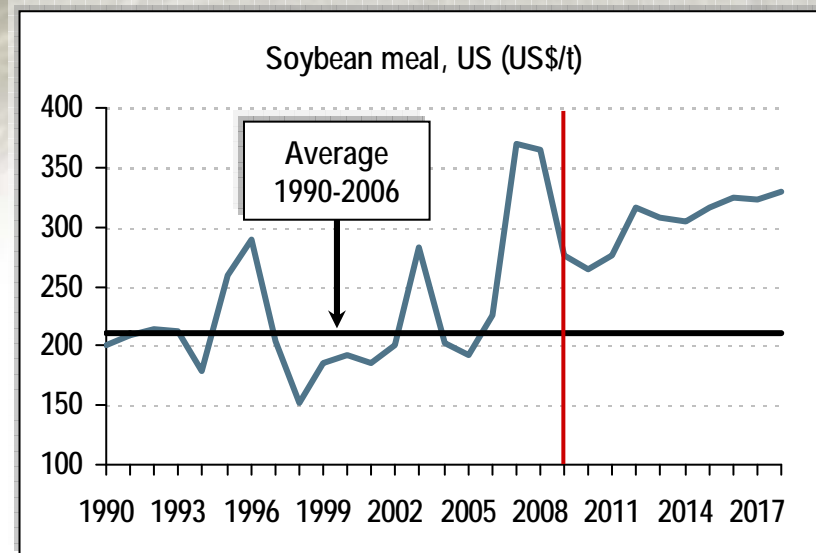
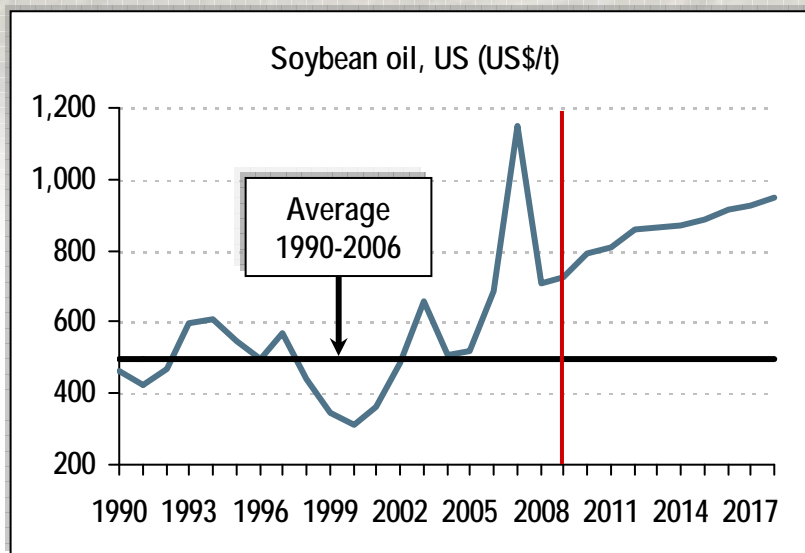


*The growing demand for vegetable oils and the strong substitution on the supply side with corn should result in higher soybean prices*

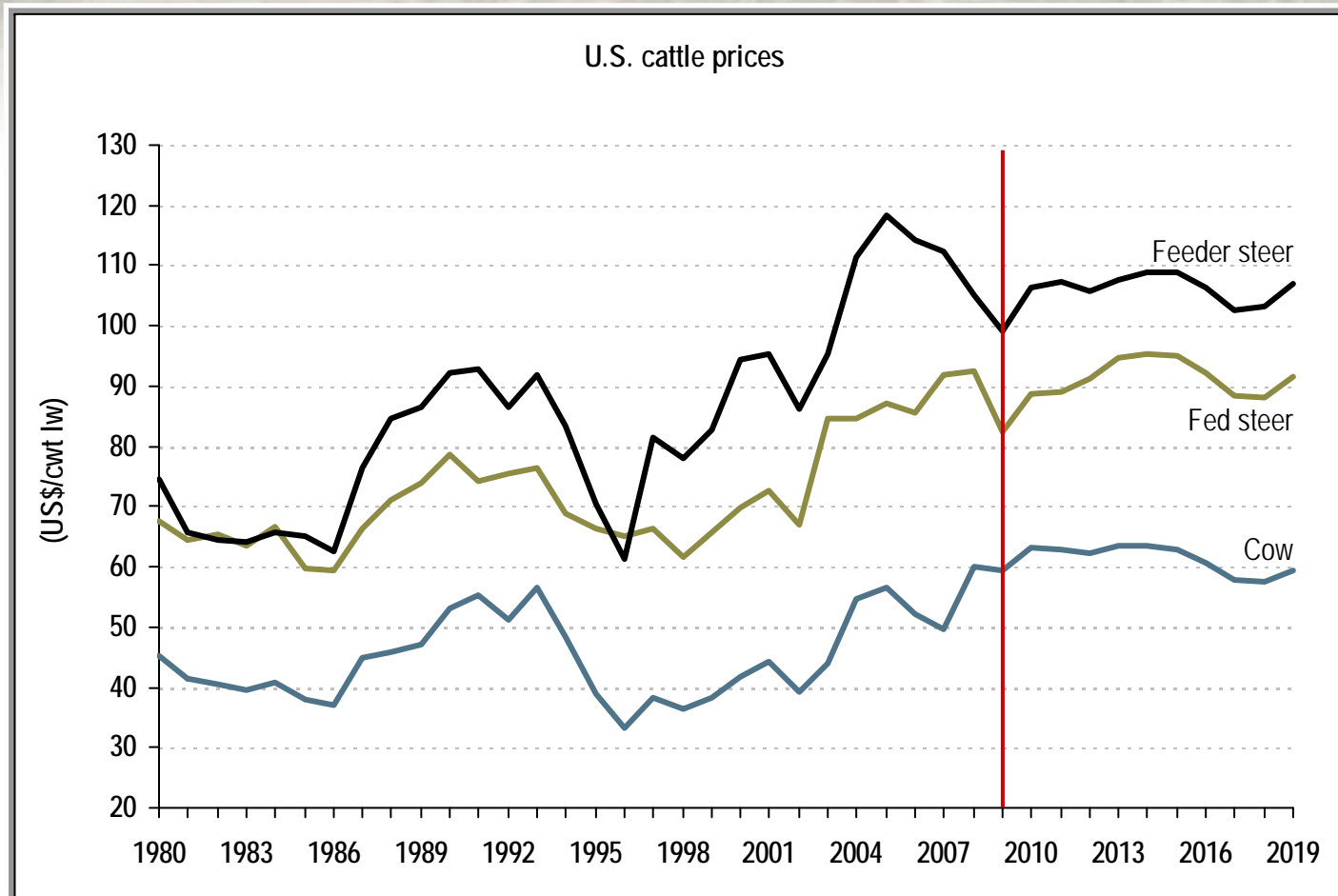




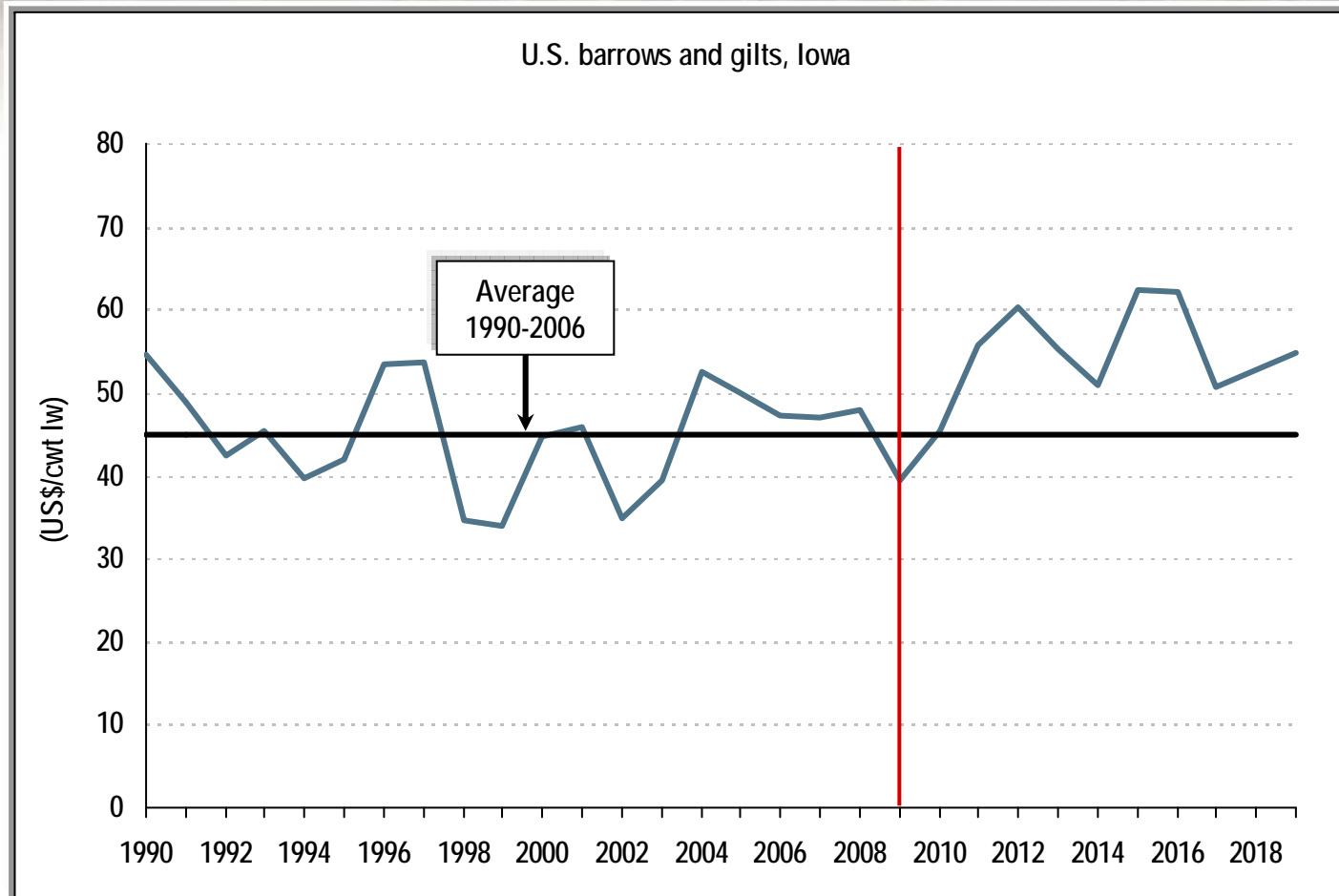
*New higher world price plateau are also expected for further processed products*



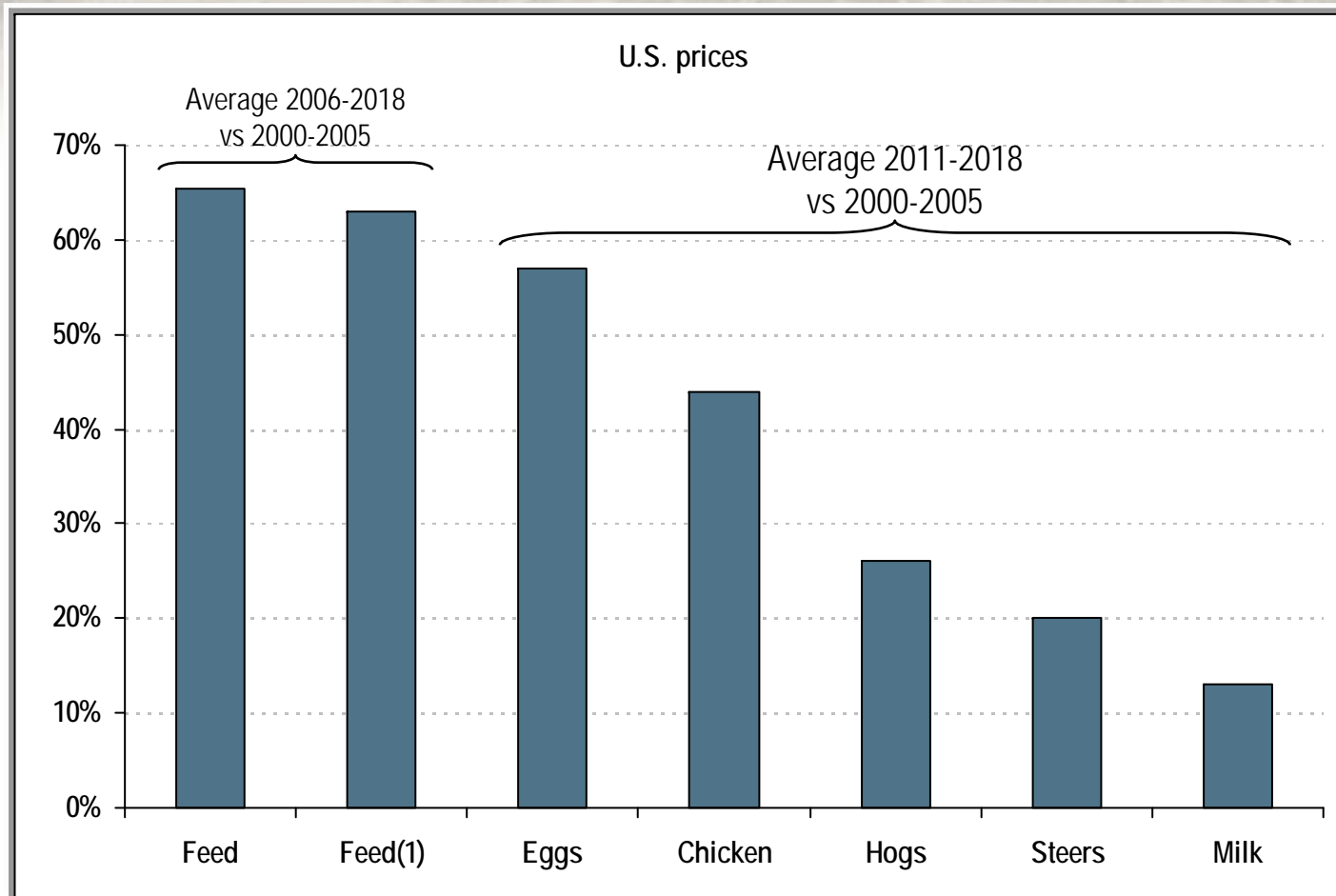
*The rise in the steer/corn price ratio will be delayed by the economic recession and the relationship between the feeder and the feed steer prices returns to historical level*



*The hog/corn price ratio should improve over the medium term compared to 2008 and 2009 but will not return to levels prevailing before the large increase in crop prices*

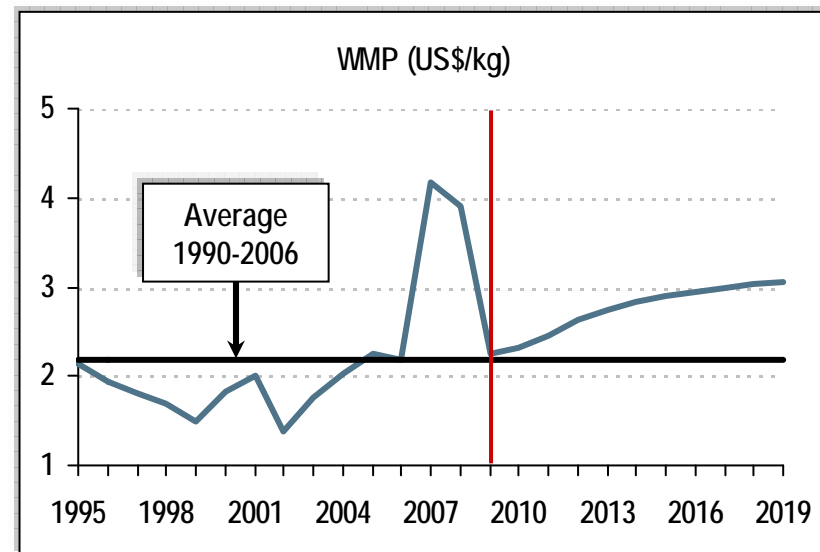
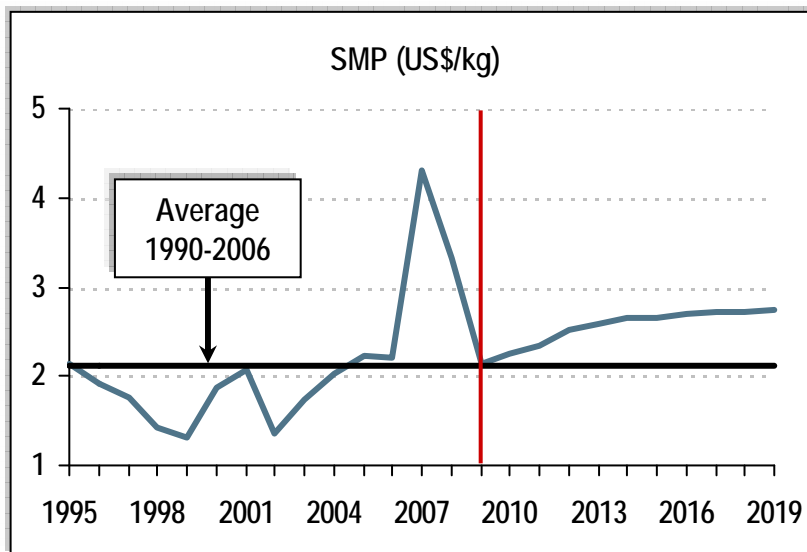
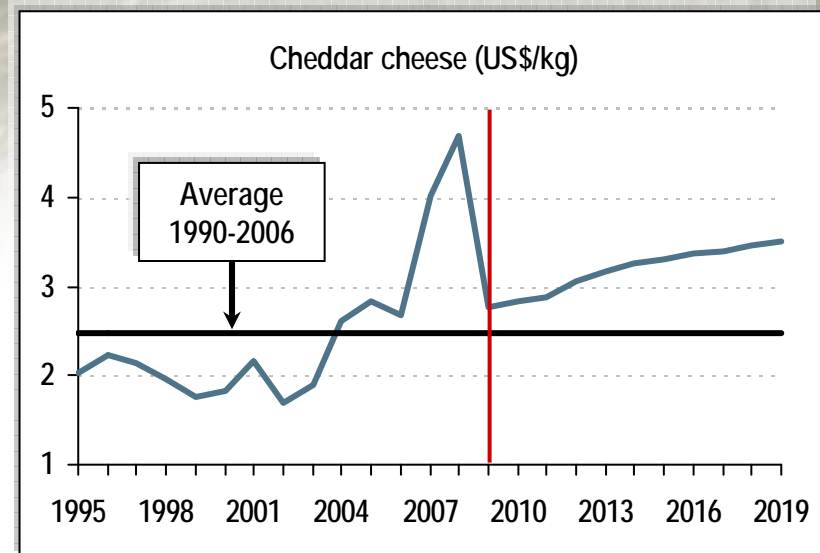
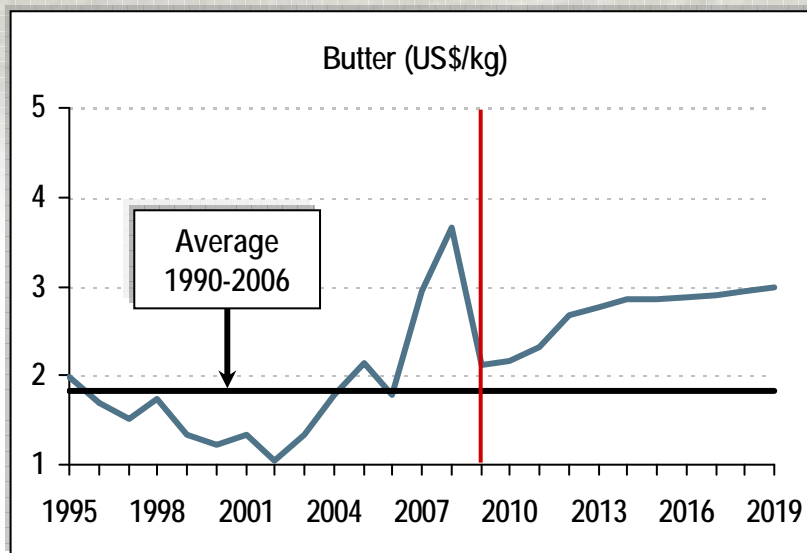


*Livestock prices are expected to increase eventually as a result of increasing production cost caused by the higher feed prices*



(1) Feed with DDG.

*Because of strong demand, supply constraints in Oceania, higher cost of production and lower subsidized exports, world prices of dairy products should return to the positive trend recorded since 2000*



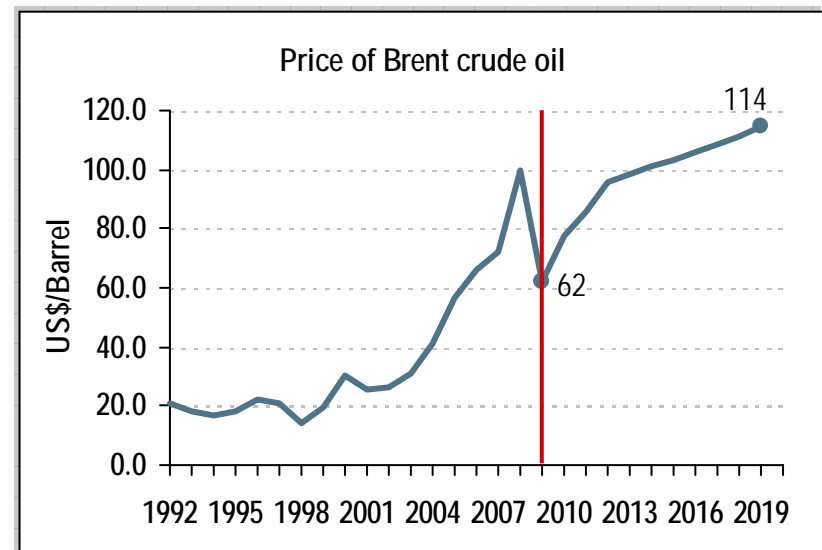
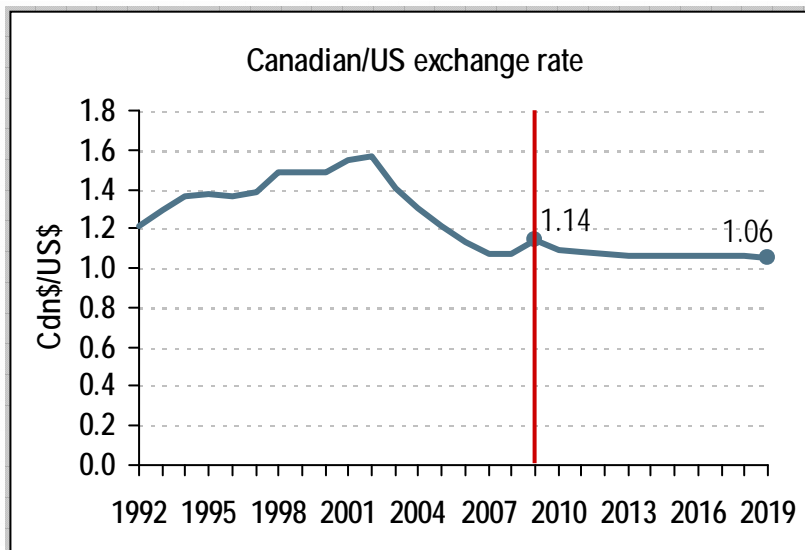
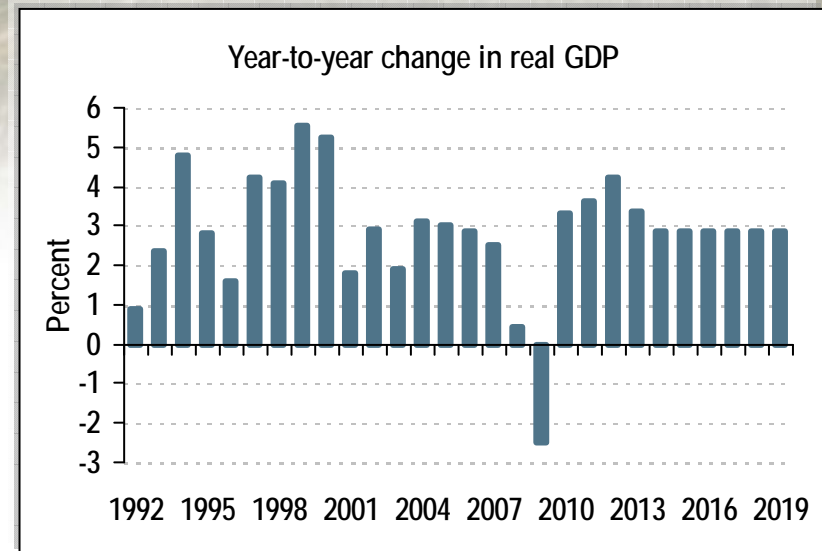
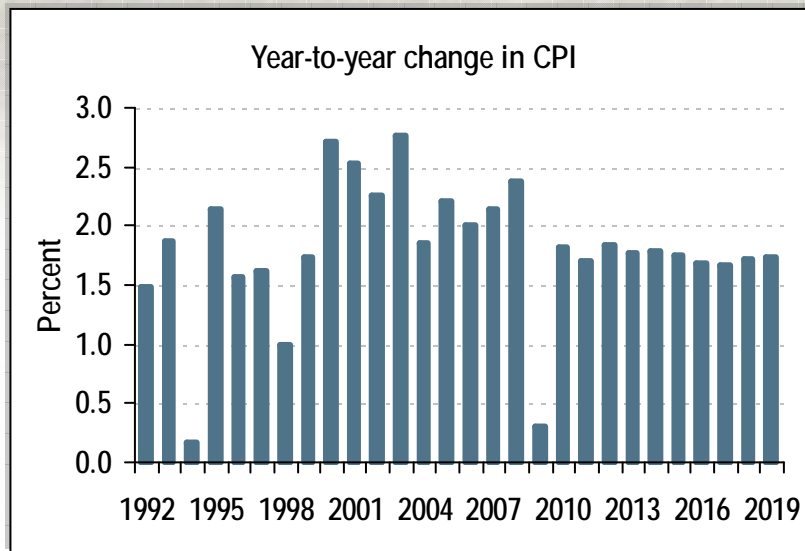




# NATIONAL MARKETS



# National assumptions: Macroeconomic Outlook



## *National assumptions*

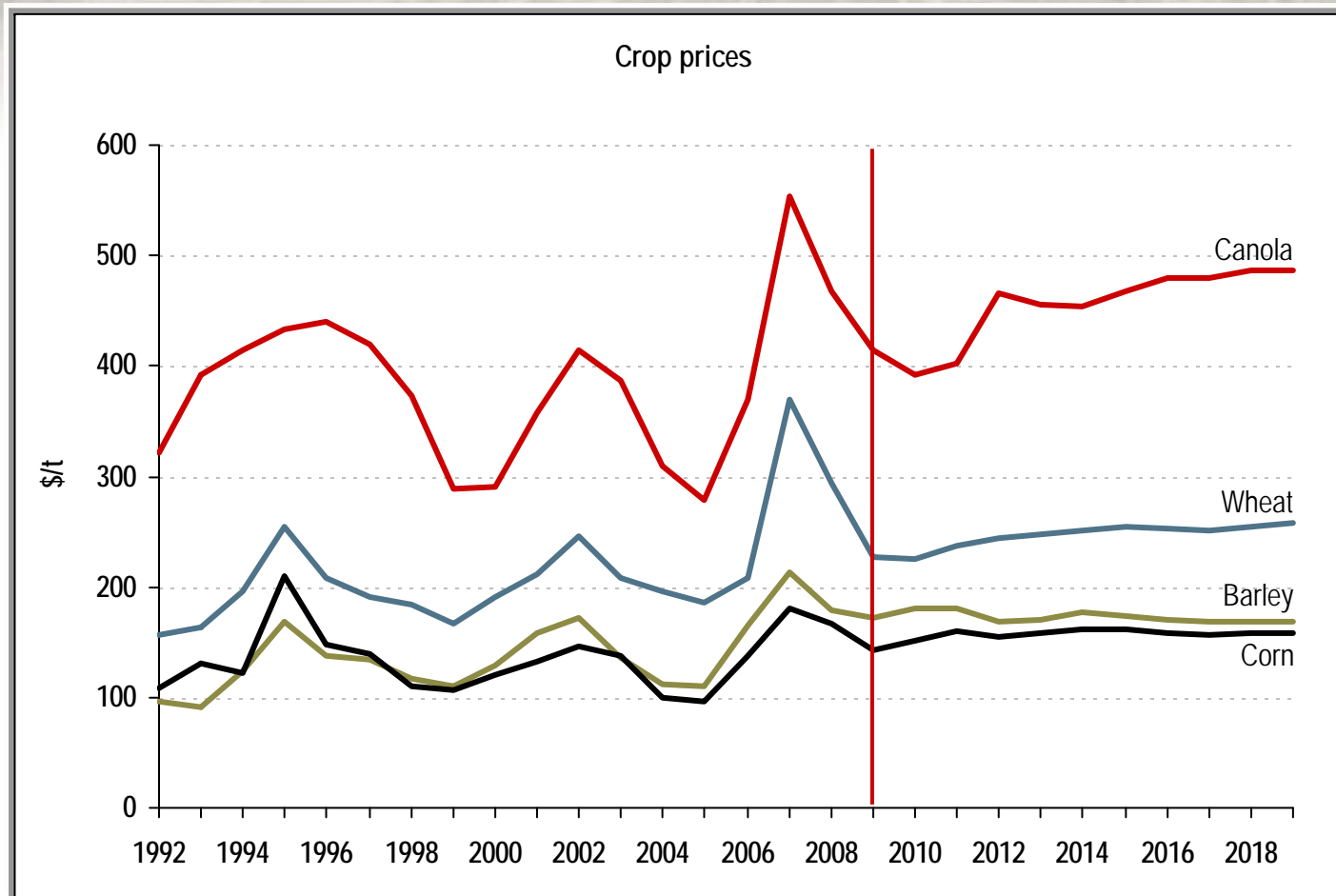
- The Canadian population is projected to increase by 1% per year.
- Yields for grains and oilseeds are generally expected to increase at trend rates.
- It is assumed that the Federal regulations requiring an annual average renewable content of 5% in gasoline by 2010 and 2% in diesel fuel and heating oil by 2012 will be implemented.
- Ethanol plants that have planned to start production in 2009/10 and 2010/2011 are assumed to produce at industry average utilization rates when they come online. The by-product of ethanol production, dried distillers' grains (DDG), are assumed to be easily incorporated in feed rations.
- Implementation of the U.S. mandatory country-of-origin labeling program began on September 30, 2008. The potential costs to Canada are still not fully known, but in the outlook it is assumed that there will be a discount on the Canadian prices of fed cattle, feeder cattle, cows, slaughter hogs, and weanlings, as well as on wholesale beef and pork prices relative to the U.S. These discounts increase the basis between Canadian and U.S. prices.
- The moratorium on hog production in Manitoba is maintained over the entire outlook period.
- The cap on the hog stabilization program announced by Quebec at the end of 2009 is included in the Outlook.
- The increases in the price of industrial milk will be equally distributed to the support price of butter and skim milk powder.
- The fat/solids-not-fat ratio for raw milk should be relatively stable as measures implemented by producers are maintained.

## *Highlights: crops*

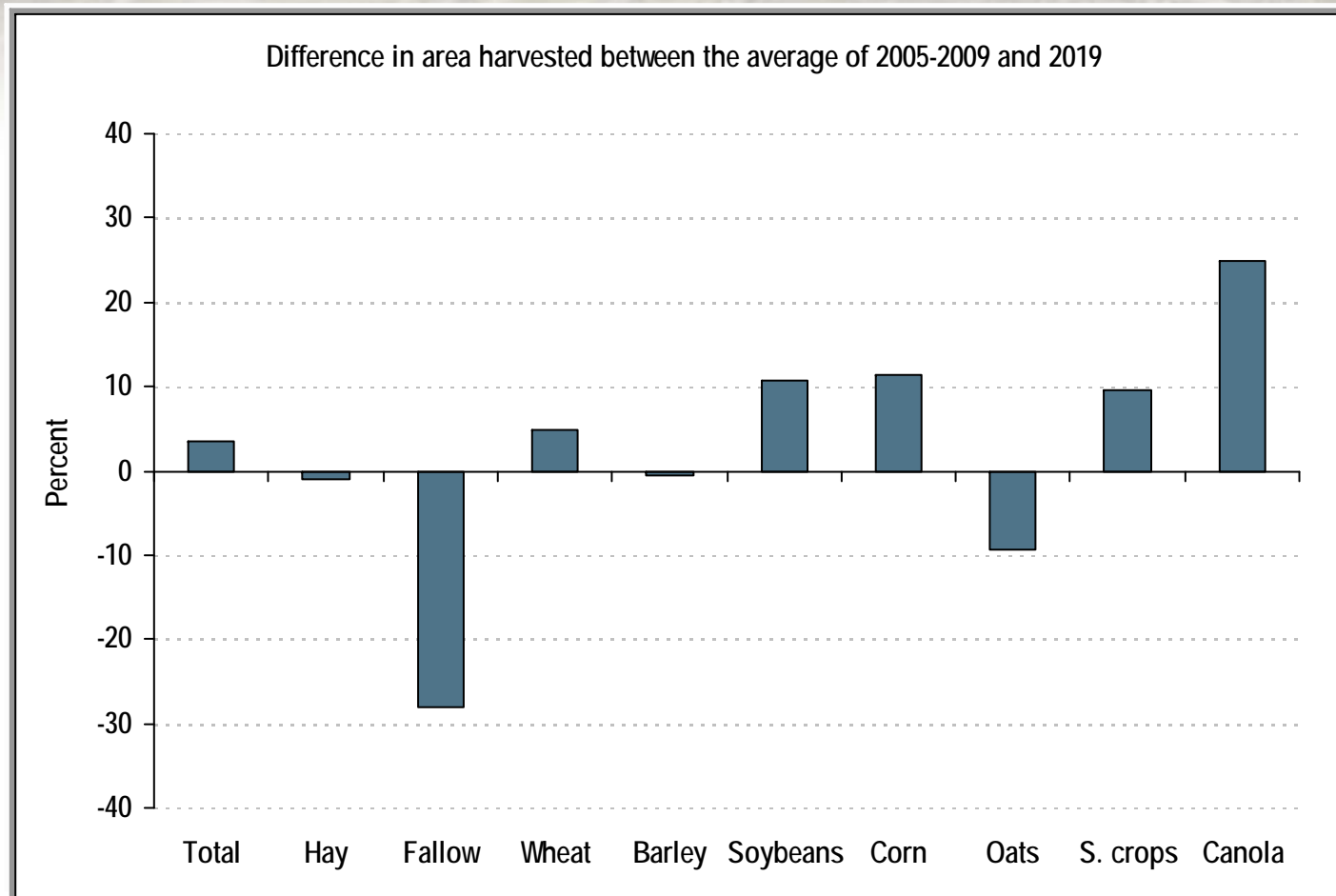
- The key drivers of the Canadian outlook are world prices, the exchange rate, the expansion of bio-fuel production and the contraction of the red meat industry.
- With world crop production increasing as a result of recent high prices and decreasing demand caused by the economic crisis, world prices of grains and oilseeds are expected to fall significantly in 2009-10.
- For the medium term, prices of grains, oilseeds and special crops are projected to be significantly higher than the period before 2006 in spite of the anticipated appreciation of the Canadian dollar, albeit price levels are expected to be below the peak of 2007. In response, total harvested area is projected to increase compared to the historical average (2005-2009). The largest increase should be recorded for oilseeds followed by special crops and corn. Summer fallow area will continue to decline.
- In the short-term with livestock production decreasing and as area harvested of barley recovers from the drought in Alberta, Canada returns to a net export position for feed grains. However, in the medium term as prices favour wheat and oilseeds in the West and cattle production increases with an improvement in profitability, Canada returns to a net import position for feed grains. It should be noted that Canada's net feed grain balance is relatively close to zero and any significant changes to production (yield or area harvested) or demand (food, feed or biofuel) could change Canada's position.
- For Canada to meet its biofuel target, biofuel imports will have to remain large in spite of a rapid and strong expansion in production. Ethanol production in Western Canada is derived from wheat and corn, while Eastern Canada uses solely corn as a feedstock.
- Canola crushing capacity is expected to expand, but strong production growth in medium term still leads to large exports. The larger use of canola oil for biodiesel production remains much smaller than the growth in production, leading to a strong increase in canola oil exports.



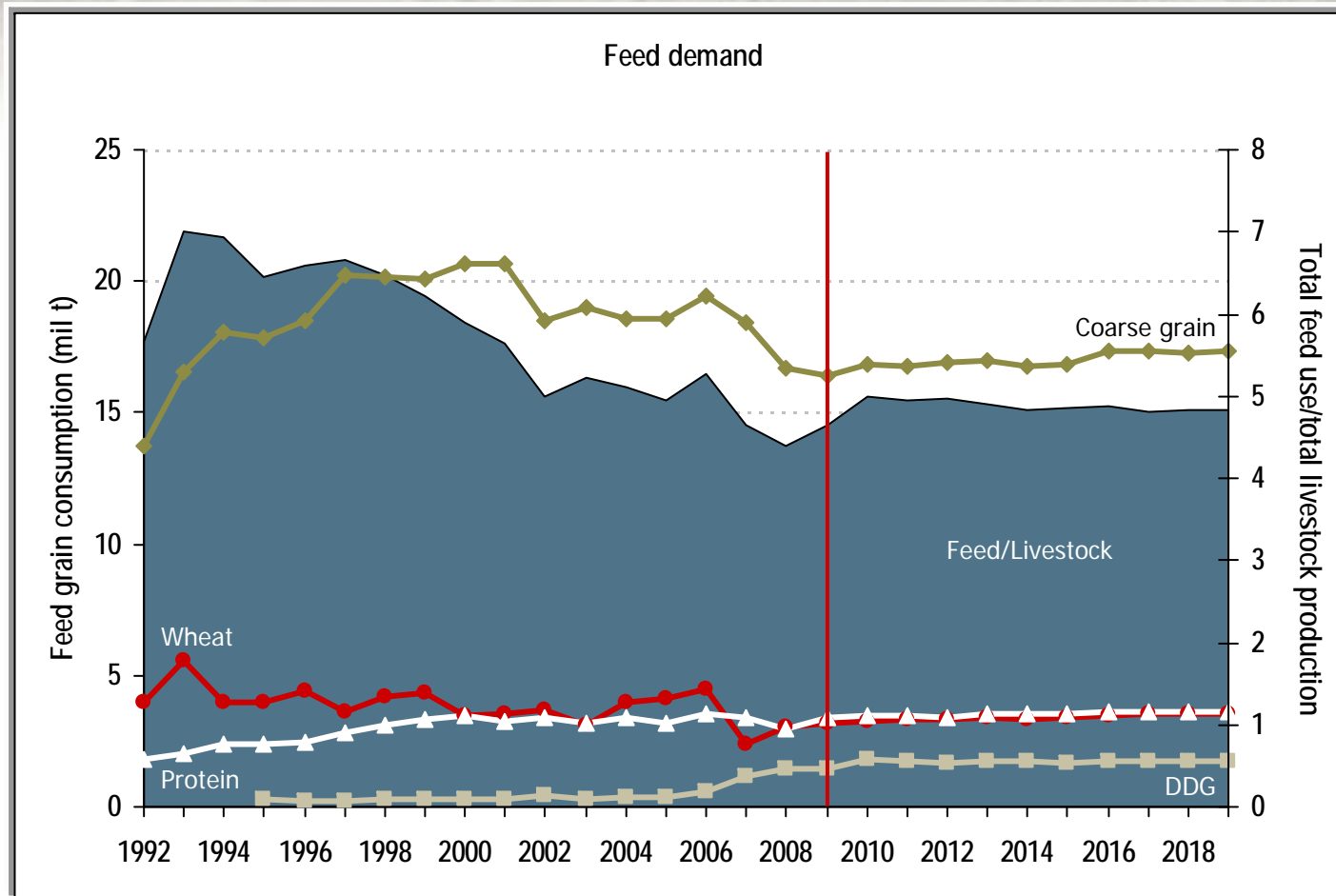
*Canadian prices in the medium term will be lower than the latest spike but do reach a higher plateau than the historical average*



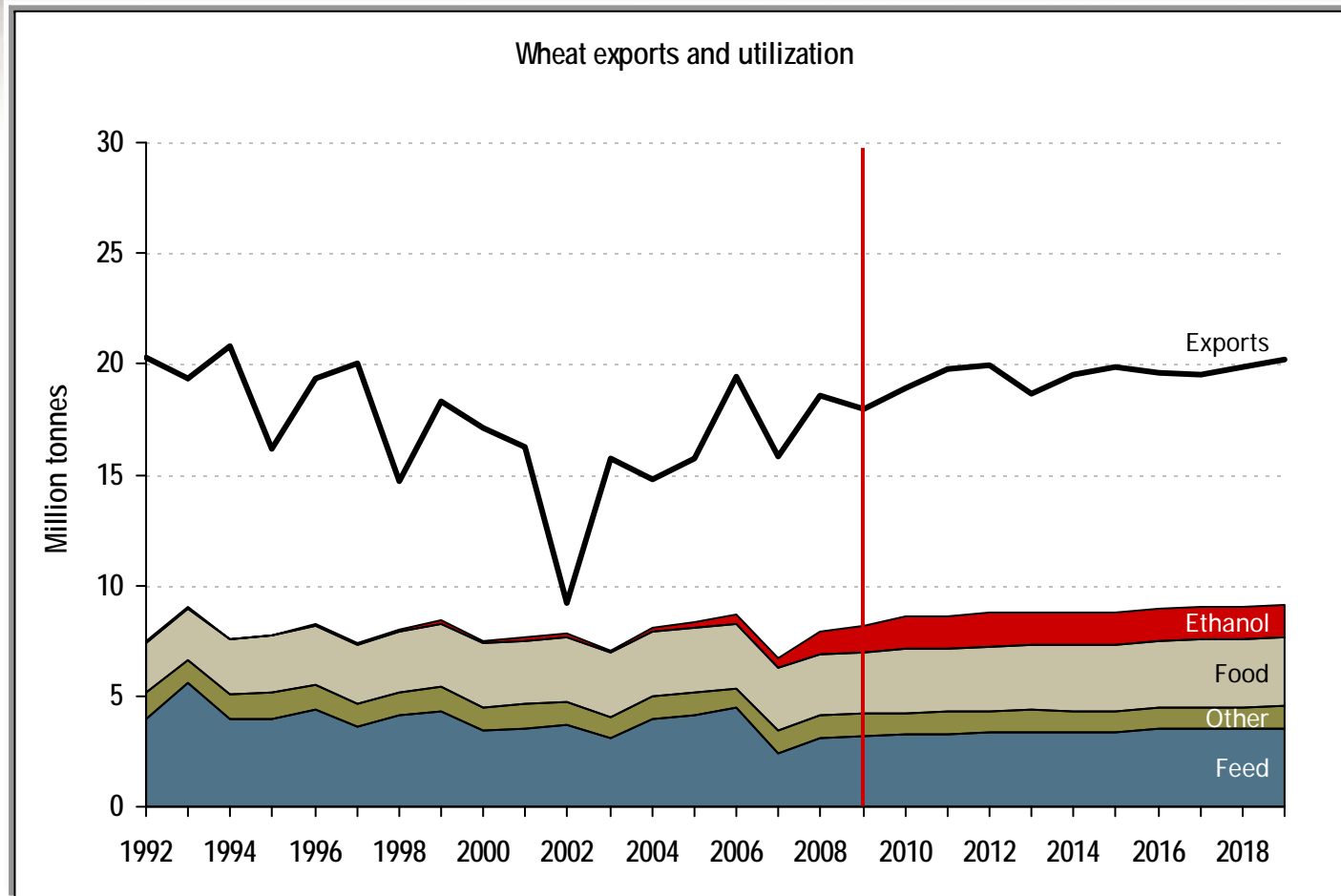
*Higher grain and oilseed prices are expected to result in a modest expansion in total area and relative prices should lead to large increases of canola, corn, and soybeans*



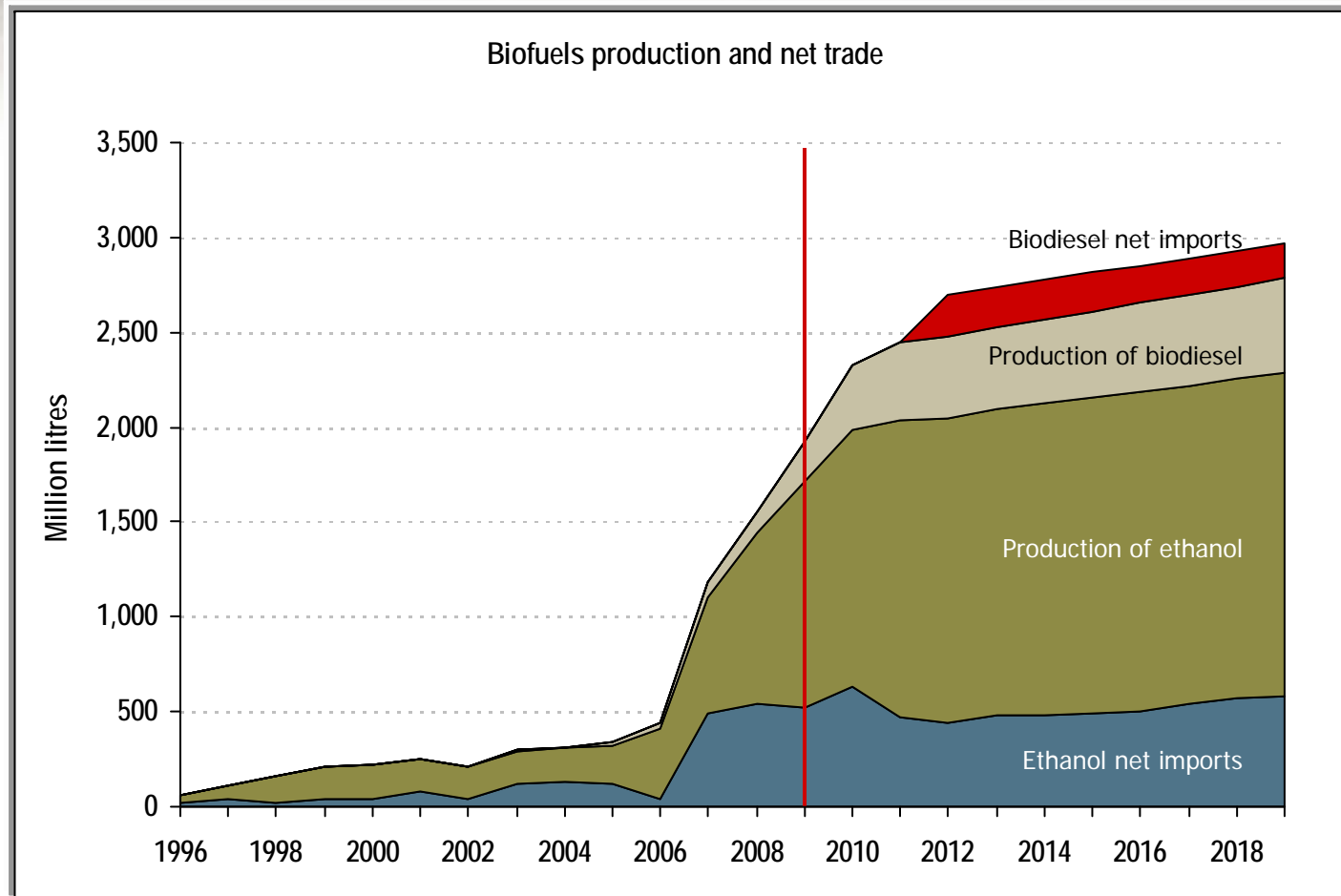
*DDG displacement of coarse grains in feed demand is expected to increase with Canadian ethanol production. Small productivity gains in feed conversion are expected throughout the baseline*



*Relatively strong wheat prices supports faster growth in wheat production than domestic consumption resulting in stronger wheat exports*

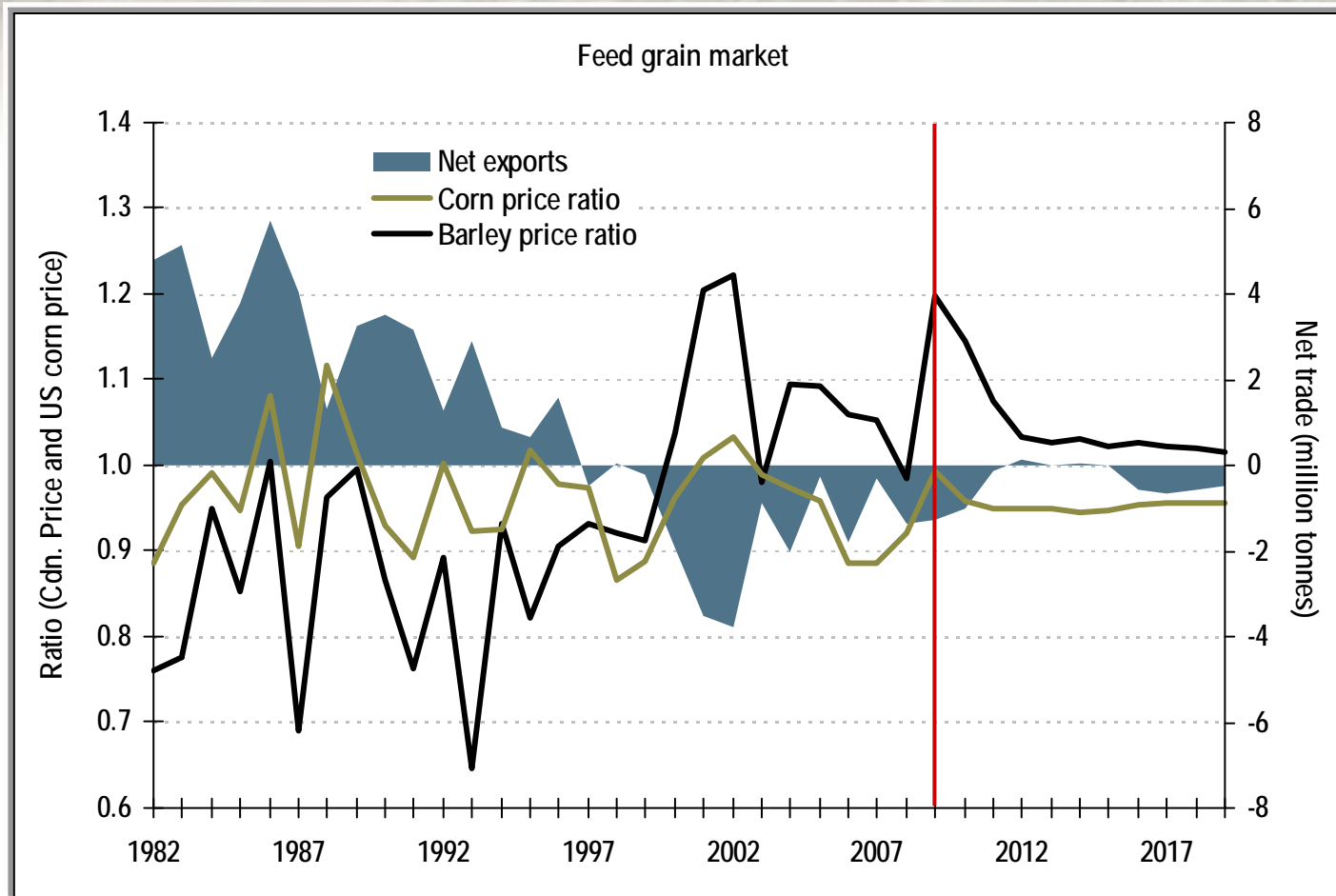


*For Canada to meet its biofuels target, imports will have to remain large despite rapid growth in production capacity*

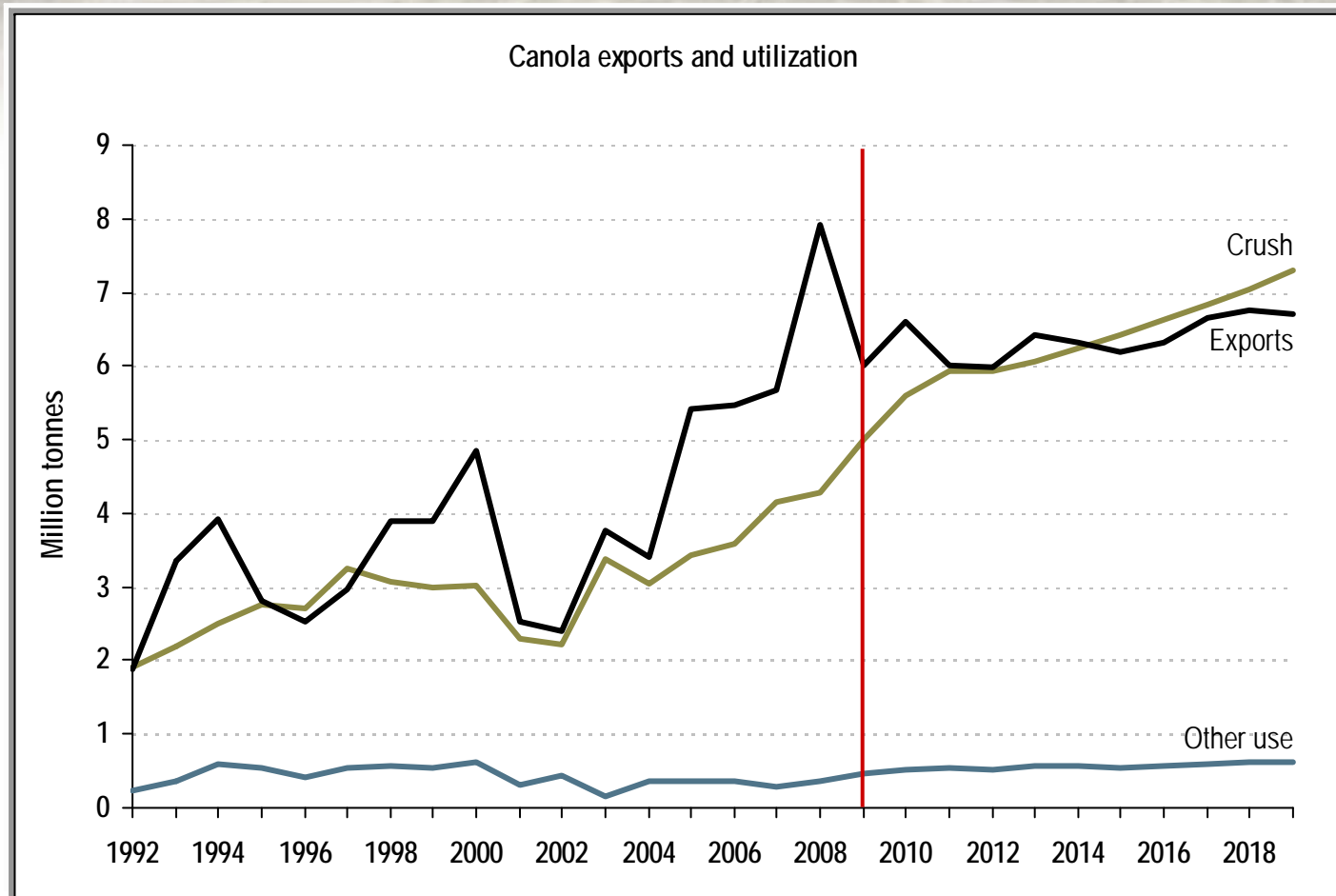




*In the short-term as livestock production decreases and feed grain production increases, Canada returns to a small feed grain surplus. Canada returns to a net import position of feed grains in 2016 as crop prices favour oilseeds over coarse grains and meat production increases*



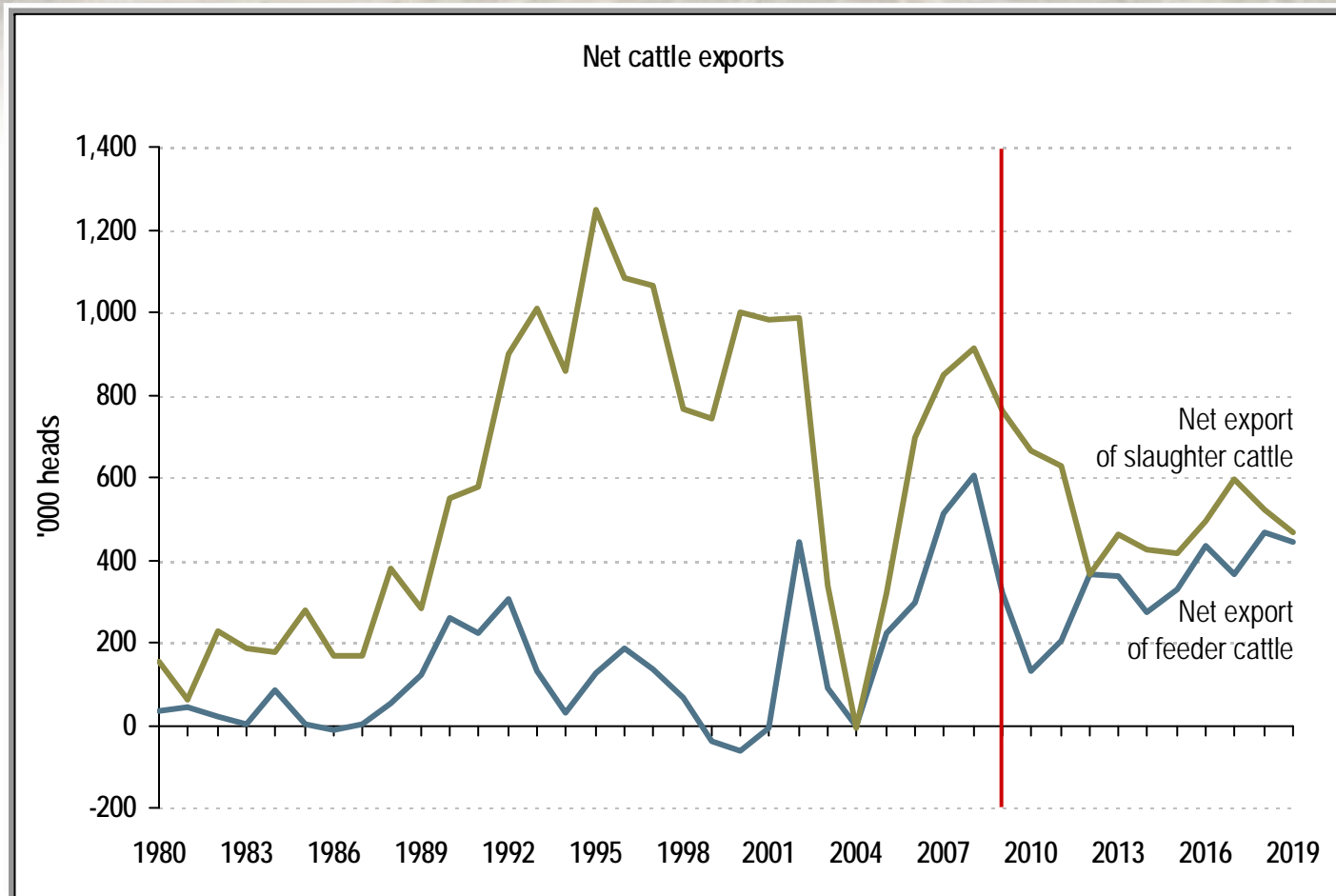
*Although canola production increases significantly, continued investment in crush capacity causes exports of canola to remain relatively stable until 2015 when relative increases in canola prices spurs further growth in production*



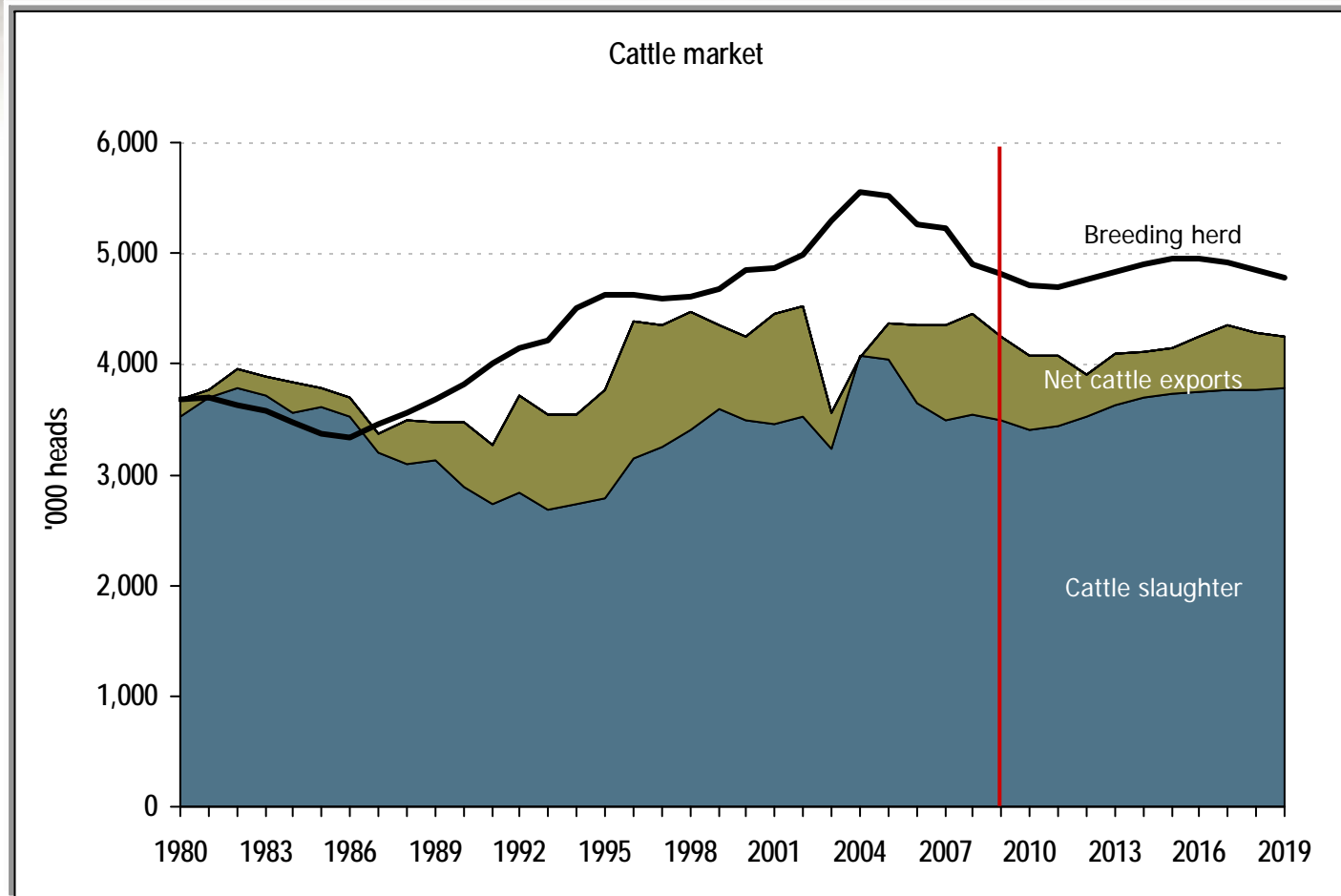
## *Highlights: red meats*

- Relatively high feed grain prices coupled with low prices for hogs and steers, the implementation of COOL in the USA and the elimination of the program for specified risk material in cattle creates challenges for the red meat sectors and affects the competitiveness of the Canadian industry.
- In 2009, the cattle breeding herd reached its lowest level since 1999 and no increase is expected until 2011. As a result, the marketings of cattle initially remains relatively low, but then starts increasing again in 2013. Cattle slaughter will also edge down in the short-term as the anticipated appreciation of the Canadian dollar still adversely affect slaughter margins. In the medium term, slaughter will recover to stabilize at a relatively high level as COOL exerts more downward pressure on livestock prices than meat prices resulting in improved slaughter margins in Canada. With lower marketings and higher slaughter, exports of slaughter cattle decrease and are substantially lower than historical levels.
- The Federal Cull Breeding Swine Program (ended in 2009), the Hog Farm Transition Program coupled with significant changes to the Québec ASRA program and tight margins are all contributing to a lower swine herd in the short term before stabilizing in the medium term. Slaughter hog marketings will follow a cycle but from a lower base. Hog slaughter decreases slightly in the short term because of low margins before stabilizing in 2013. In general the profitability of hog farming will be lower than hog processing over the medium term and this will lead to lower export of slaughter hogs compared to historical average. In addition to these factors, the moratorium on hog production in Manitoba (largest weanling exporter) and COOL will also reduce weanling exports to the U.S.

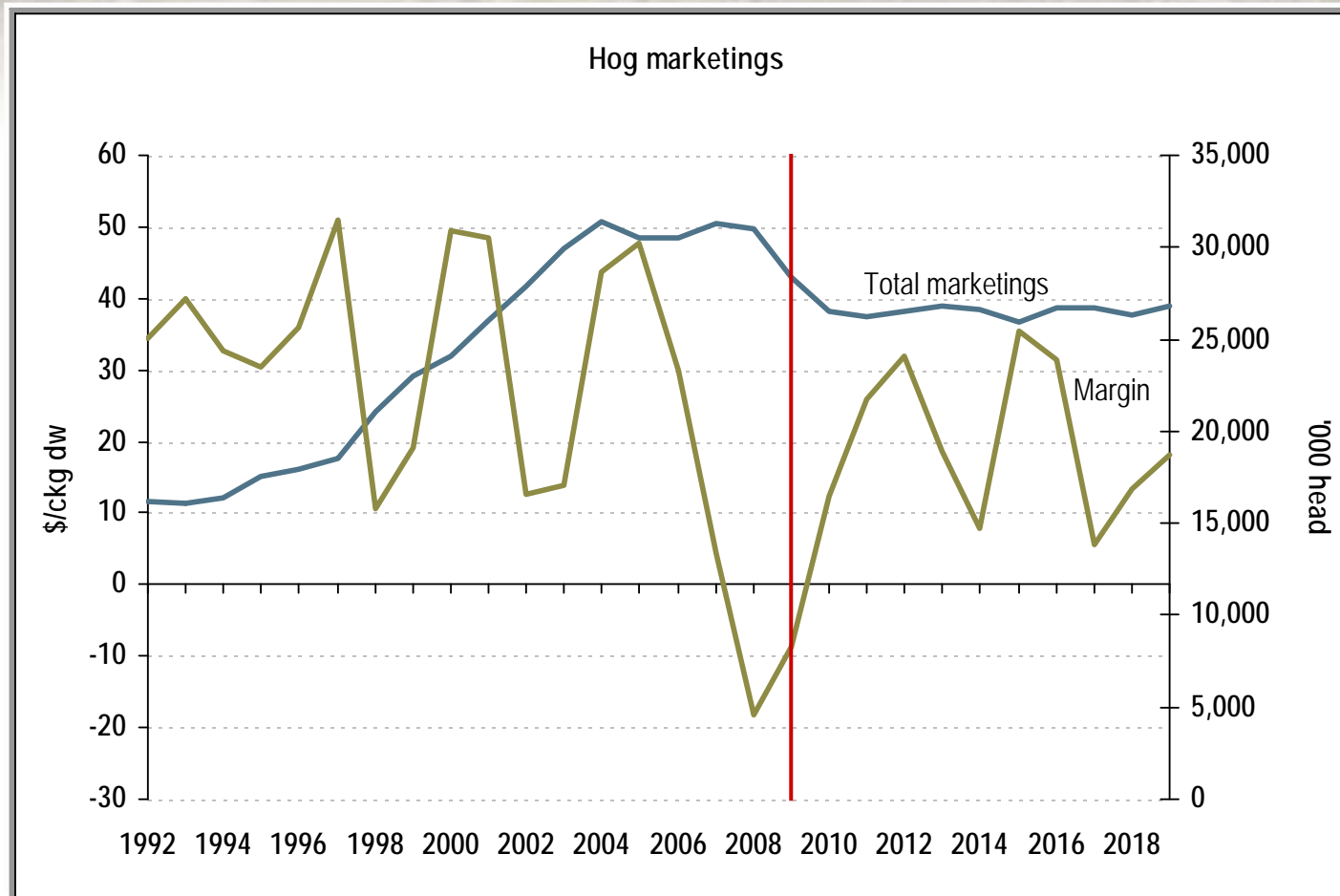
*The implementation of COOL and the strong Canadian dollar are leading to a drop in total cattle exports, especially in the short term. As Canada returns to a feed grain deficit in the medium term feeder cattle exports are expected to increase*



*The marketing of slaughter cattle will not fall as much as the breeding herd because feeder cattle exports will be lower than the historical peak*

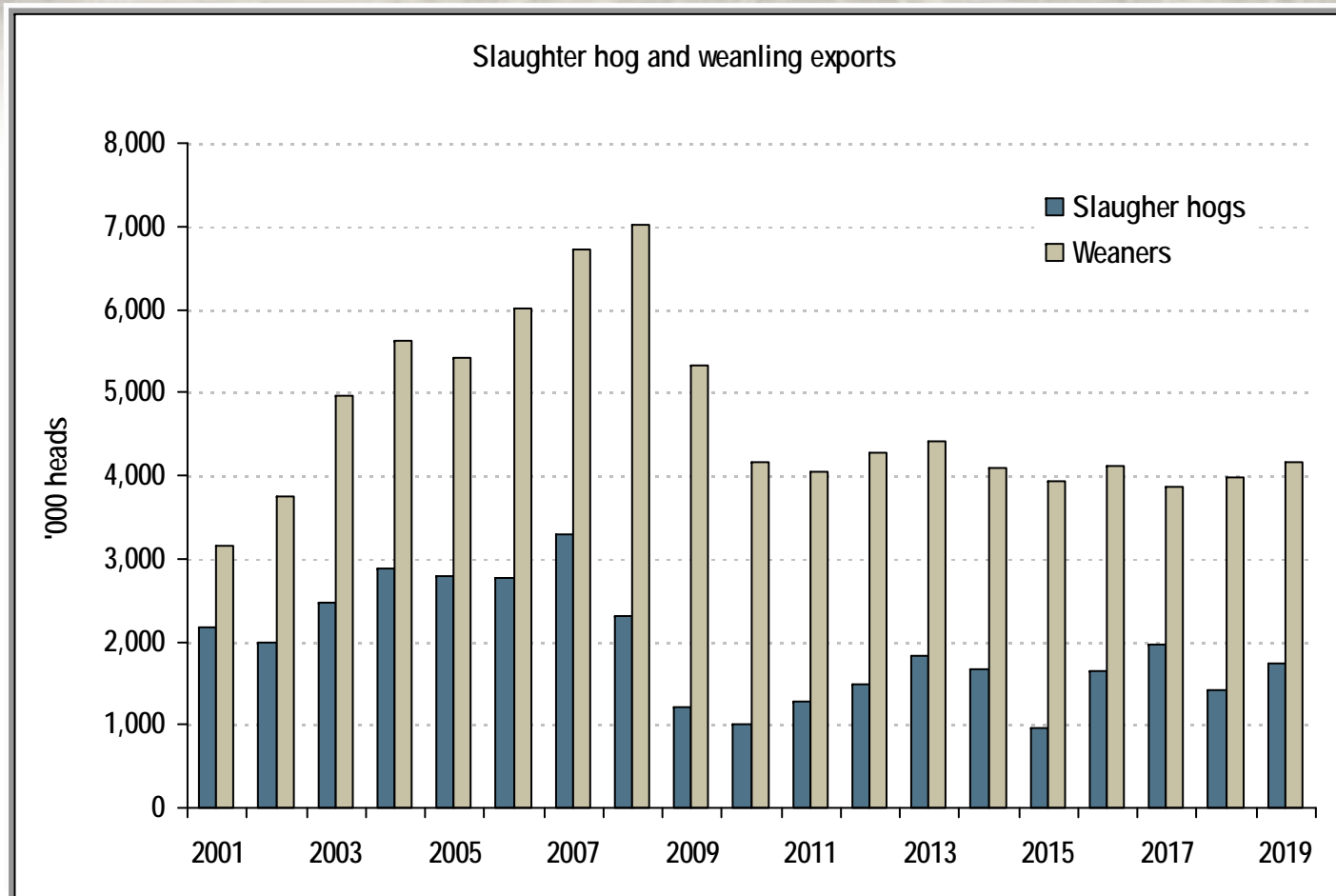


*Hog production margins will continue to be cyclical but from a lower base and this will lead to a contraction in total marketings of slaughter and weanlings*

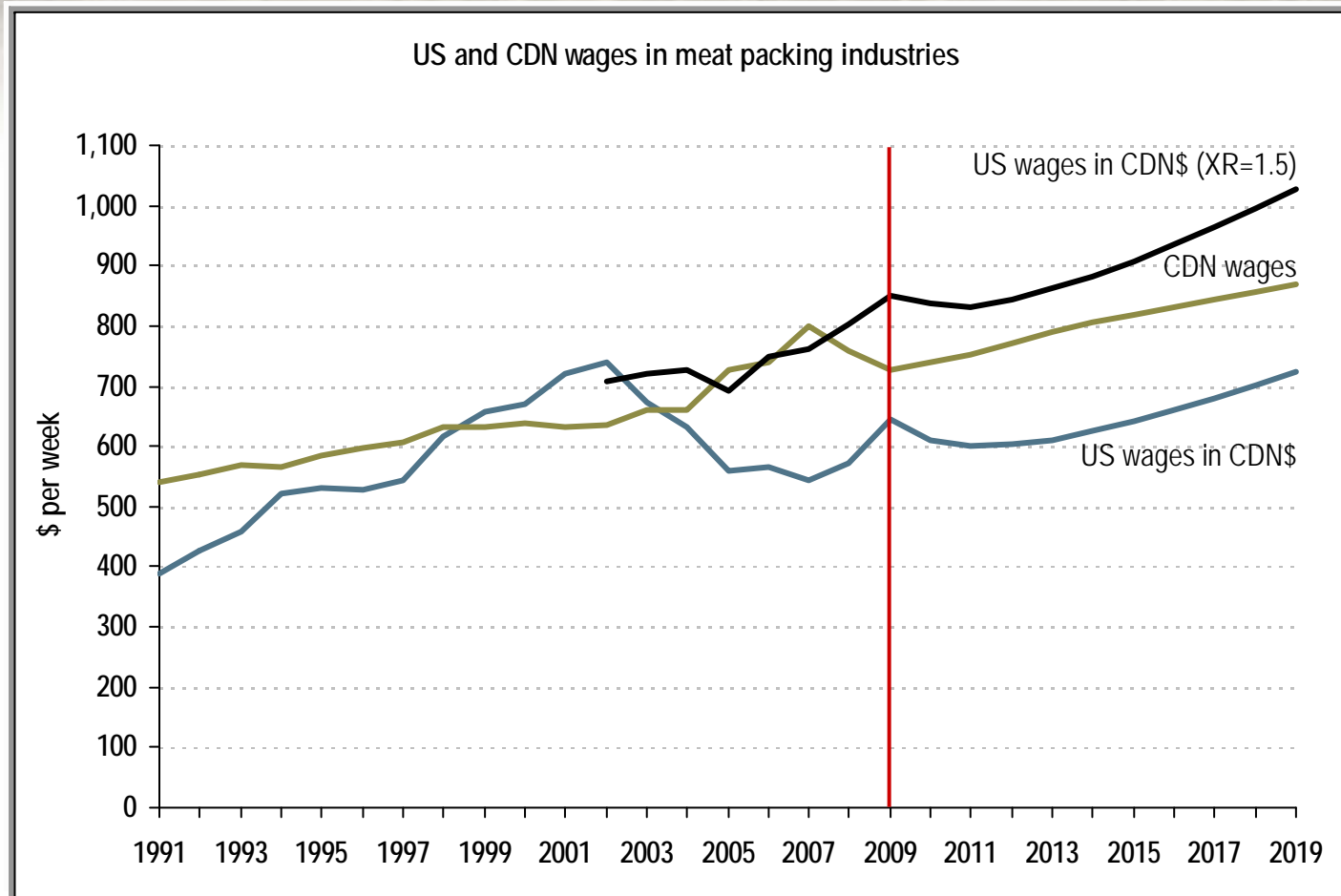




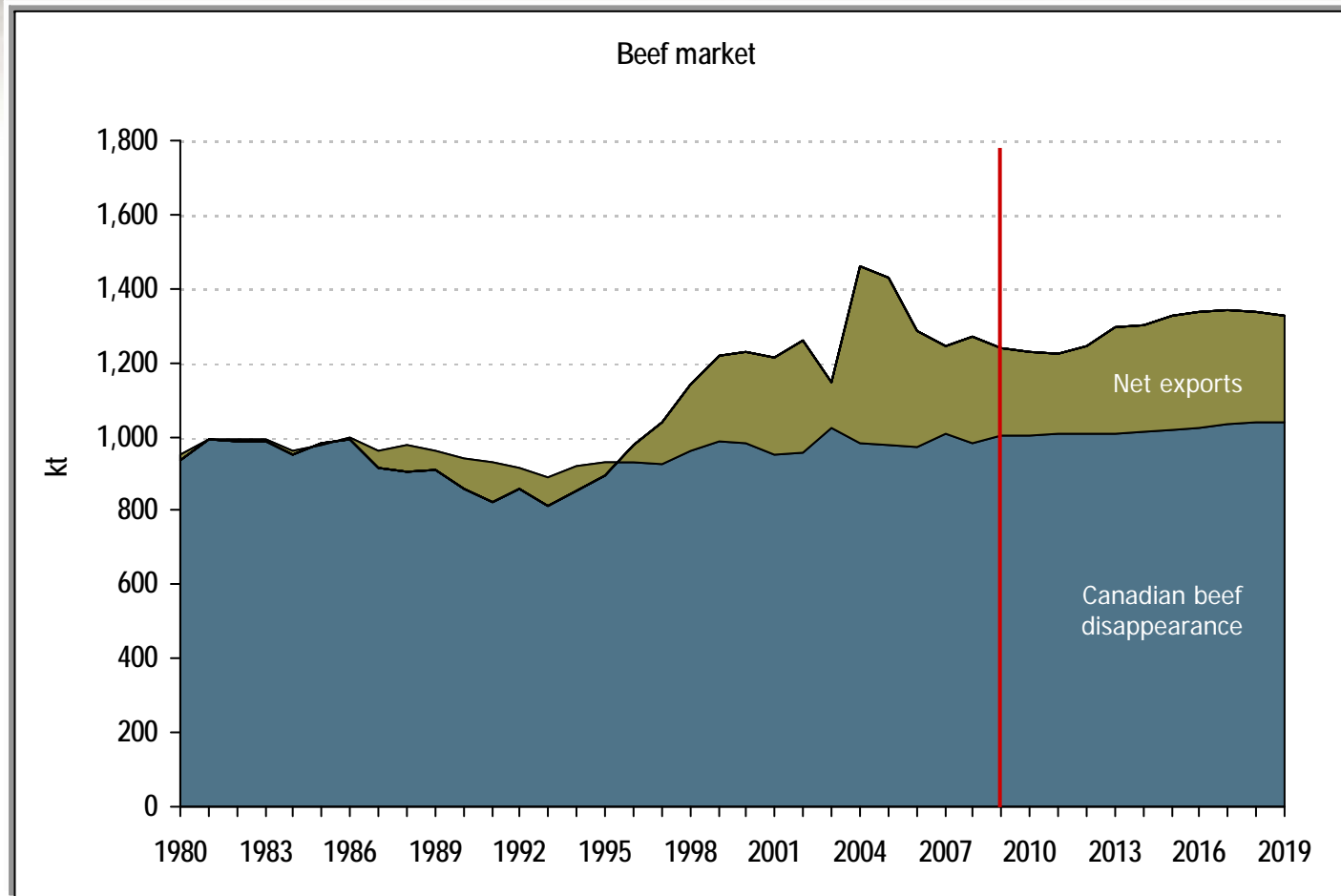
*COOL and the strong Canadian dollar are leading to a large decline in slaughter hog and weaner exports. In addition, relatively high feed grain prices in Canada is also contributing to the reduction in marketing and exports of slaughter hog*



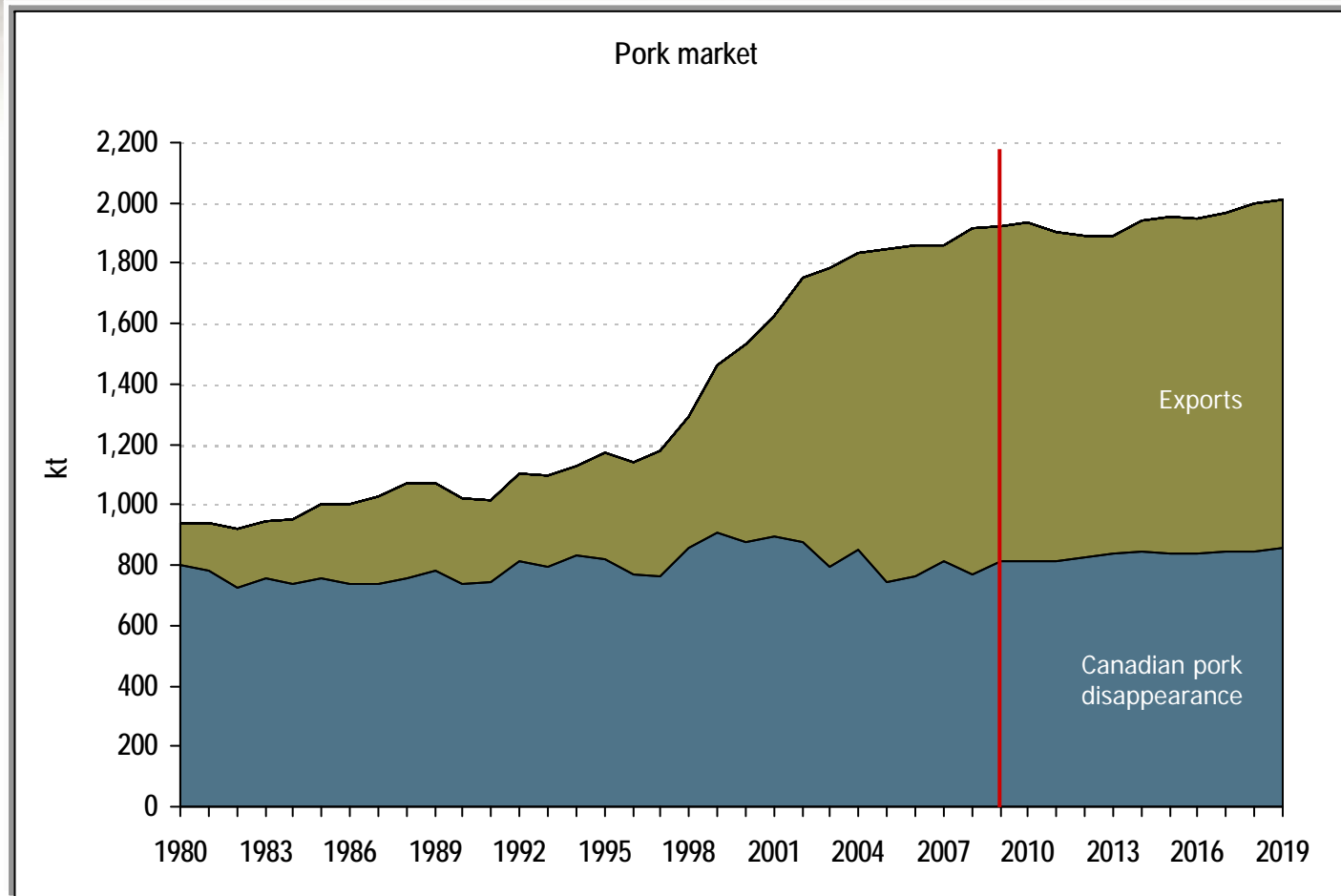
*The loss in the wage advantage because of the stronger dollar will contribute to the reduction in slaughter in the short term and limits capacity expansion in the medium term*



*As domestic beef consumption remains relatively stable, the small increase in cattle slaughter in the medium term leads to a slight increase in exports*



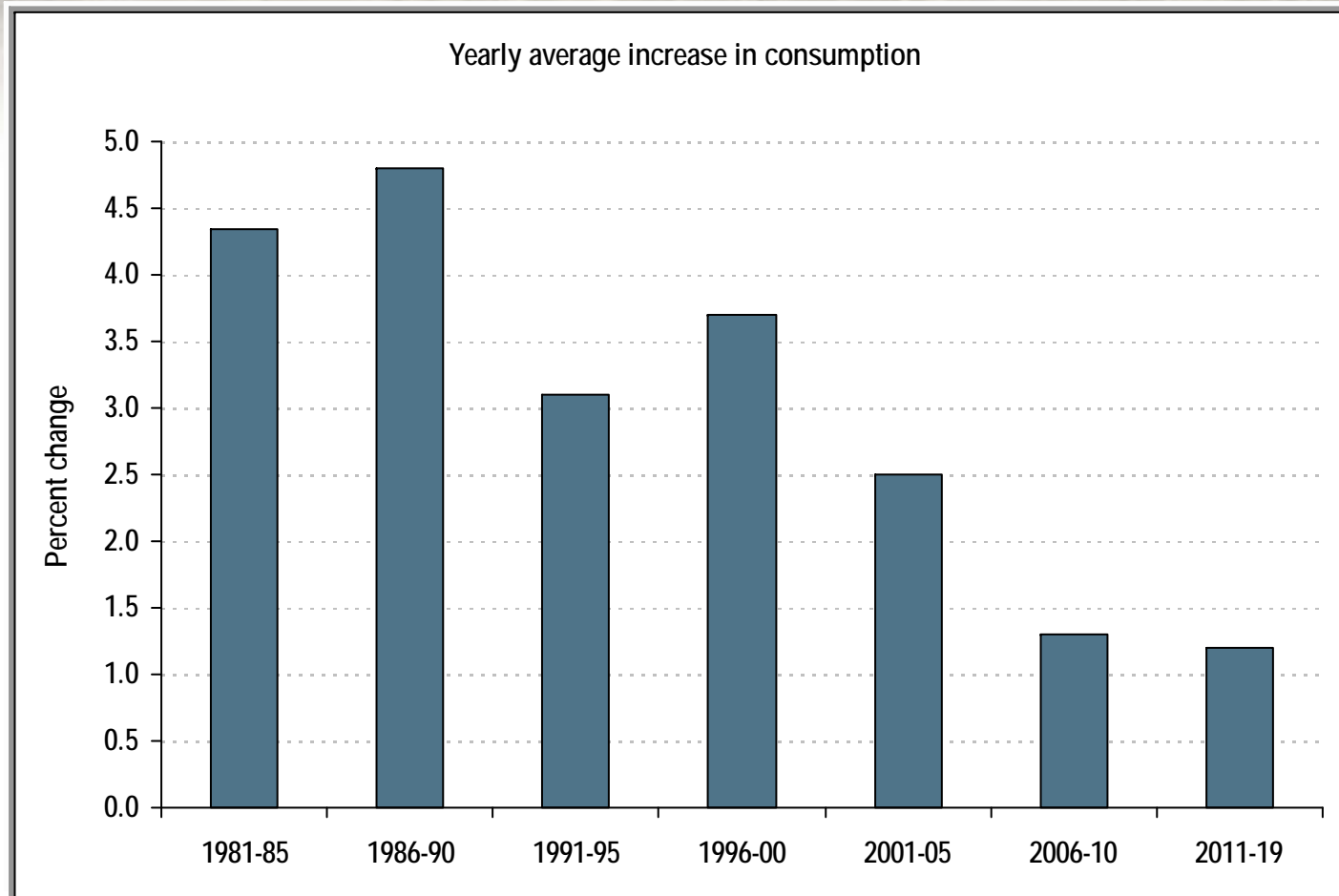
*The additional pork production resulting from higher average weights of slaughter hogs will be mostly consumed abroad*



## *Highlights: supply managed commodities*

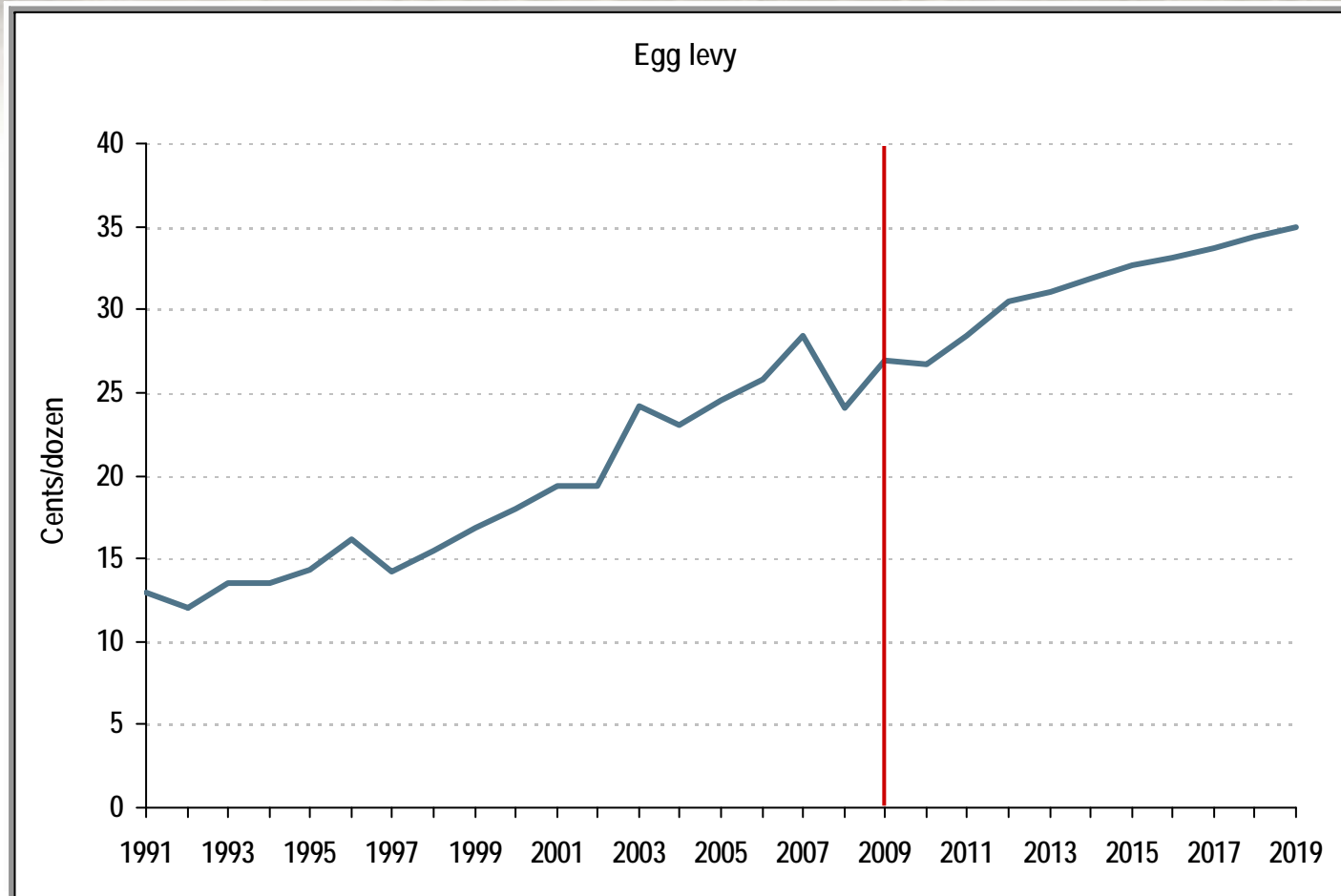
- Growth in consumption of poultry is expected to be lower than in the past because the market is more mature and poultry prices are expected to increase relative to substitute meats. The growth in population is expected to offset the slight drop in per capita consumption of eggs resulting in higher production. Because of the significant drop in the price of eggs in the U.S. in 2009, the levy to finance the use of Canadian eggs by the breaker industry should continue to increase.
- Total milk production in 2009/10 is expected to be slightly higher than the previous year. However, a downward adjustment is expected in 2010/2011 to liquidate the high stocks. While there is growth in per capita consumption for some dairy products, it is decreasing for others. As a result, per capita consumption of overall milk fat is stable and total milk production is expected to follow growth in population.
- Although recently world prices have dropped significantly, no over-quota imports are expected since they are still high relative to the historical period and the Canadian dollar should only appreciate moderately over the outlook.
- The skim milk powder (SMP) surplus is expected to slowly decrease over the projection period, but still remains a deteriorating factor in the milk pool price. The special use of SMP through 4m class remains very important and represents on average about 55% of the consumption. Finally, exports are projected to remain relatively stable since no major changes in the gap between world and domestic prices are expected.

*Growth in poultry demand is expected to be slower than in the past because the market is more mature and poultry prices are expected to increase relative to substitute meats*



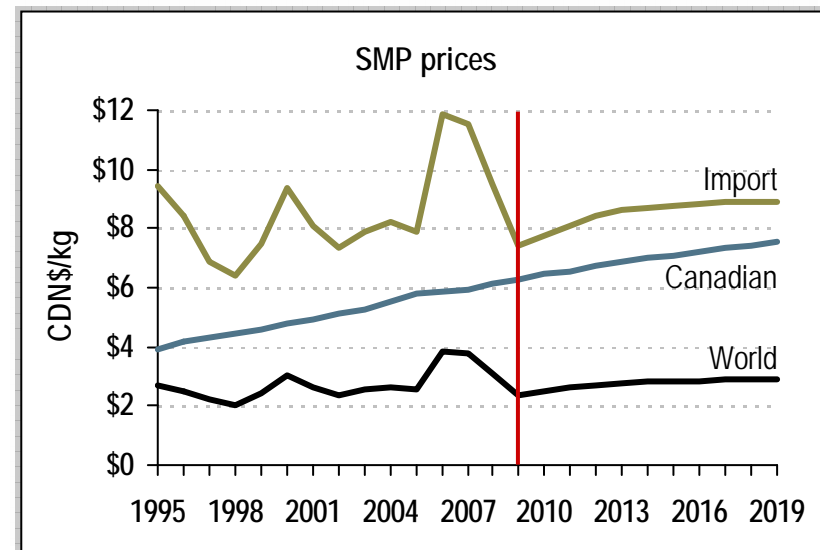
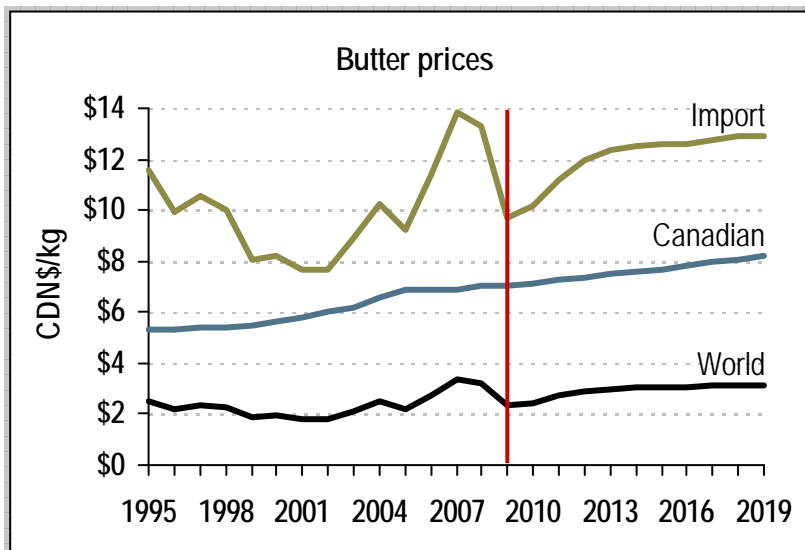


*Because of the significant drop (-48%) in the price of eggs in the U.S. in 2009, the levy to finance the use of Canadian eggs by the breaker industry should continue to increase*

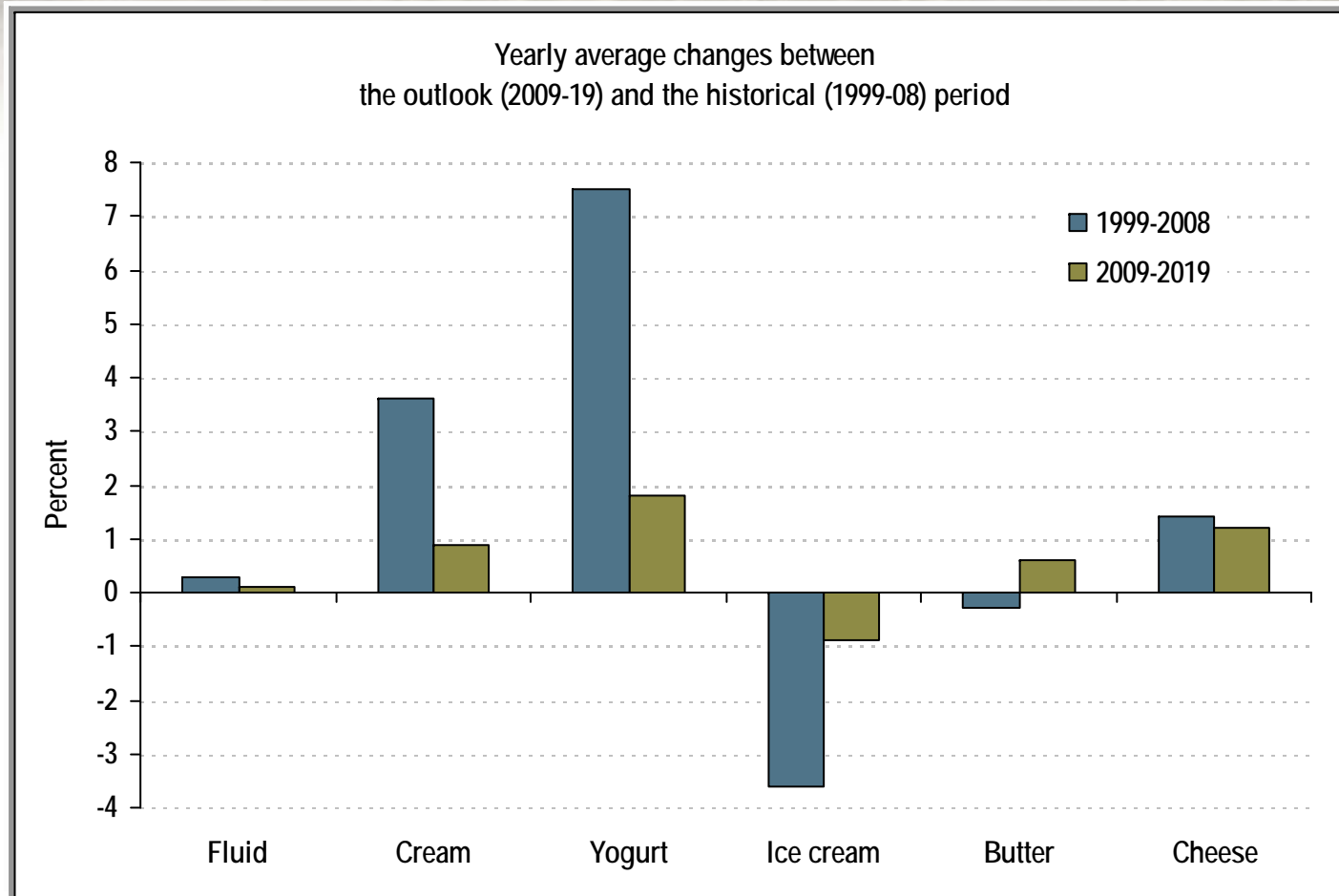


Levy includes administrative cost.

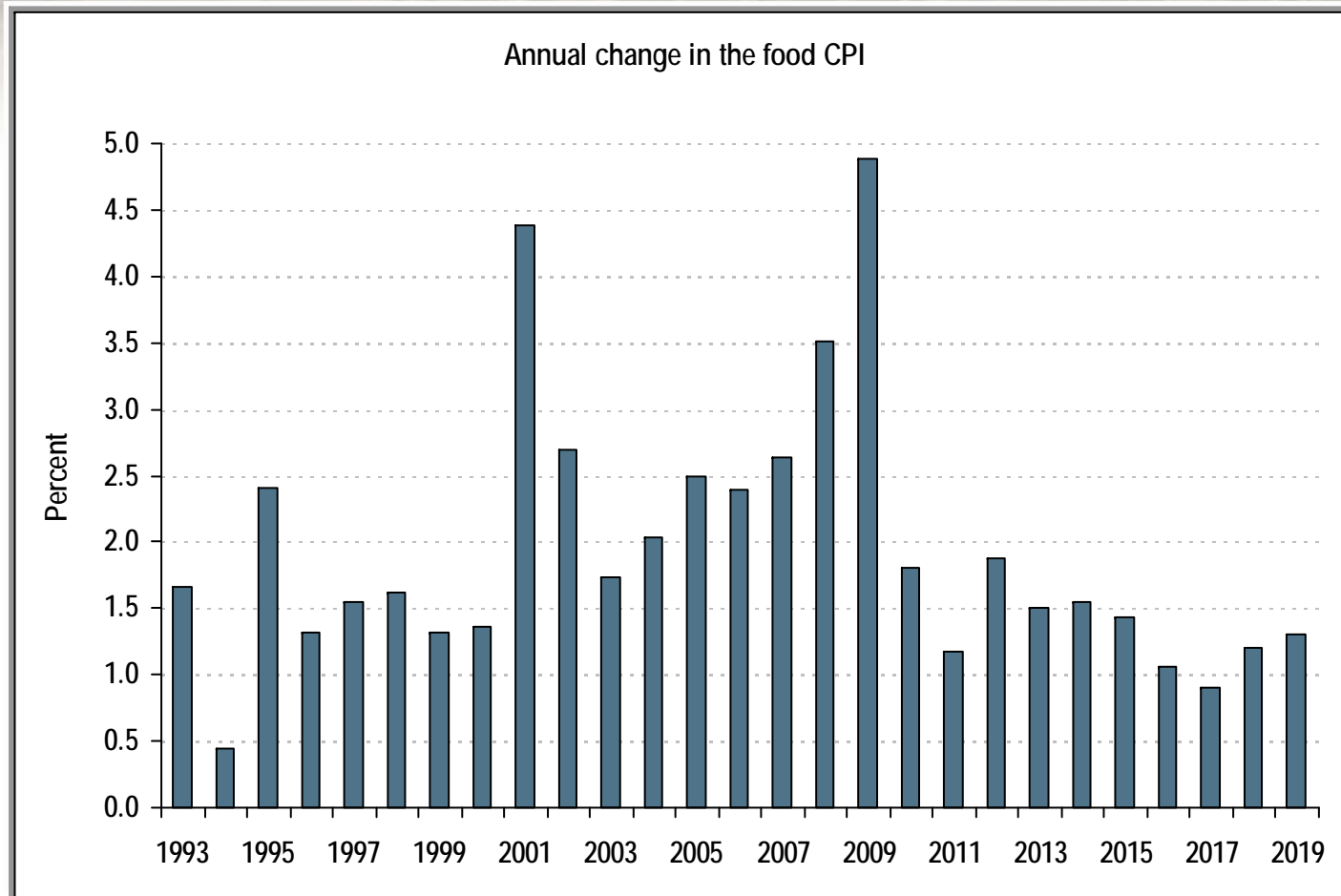
*With moderate increases, Canadian prices of dairy products are expected to remain below landed import prices*



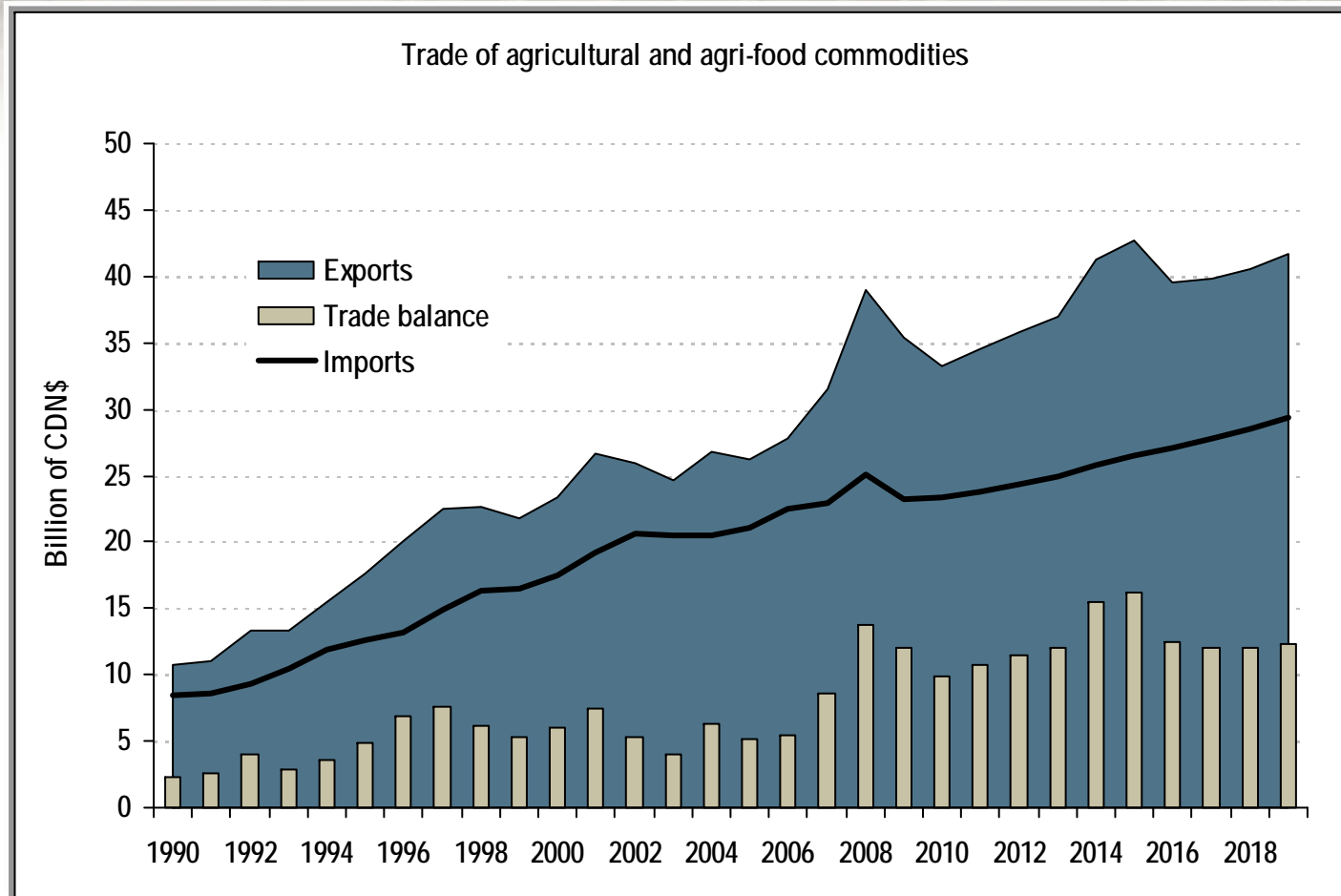
*With a mature market characterized by a growing aging population, per capita consumption of dairy products will either continue to fall or increase less rapidly, except for butter*



*In the absence of climatic incidents the 2009 food inflation will not repeat itself as it will vary between 1% and 2% in the medium term*



*High prices of grains and oilseeds will contribute to a strong positive trade balance*



## *List of acronyms*

AAFC	Agriculture and Agri-Food Canada
ACRE	Average Crop Revenue Election
AGLINK/COSIMO	The OECD/FAO international agricultural markets model
ASRA	Farm Income Stabilisation Insurance Program (Financière agricole du Québec)
BSE	Bovine Spongiform Encephalopathy (a.k.a. Mad Cow Disease)
CKG	100 kilograms
COOL	Country of Origin Labeling (U.S. acronym COOL)
CWT	100 pounds
DDG	Distillers' dried grains
DW	Dressed weight
FAO	Food and Agriculture Organization (United Nations)
FARM	Food and Agriculture Regional Model
GDP	Gross Domestic Product
IMF	International Monetary Fund
LW	Live weight
OECD	Organization for Economic Co-operation and Development
SMP	Skim Milk Powder
USDA	United States Department of Agriculture
WMP	Whole Milk Powder





## ANNEX OF TABLES



# TABLE 1: International prices

## Table 1: International prices

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Crops</b>																			
Wheat Price, 1HRW, US Gulf (US\$/t)	153.1	181.8	213.6	363.0	257.5	206.3	203.9	218.0	225.8	229.5	233.0	236.2	235.2	234.3	238.2	242.1	244.5	-1.0%	1.9%
Wheat Price, 1HAD, Minneapolis (US\$/t)	141.4	127.1	162.8	363.7	367.4	220.8	196.4	209.9	217.4	221.0	224.4	227.5	226.5	225.7	229.4	233.2	248.4	-6.1%	1.9%
PPI of flour, USA (1982=100)	134.9	139.8	149.8	201.3	186.6	171.3	161.4	163.7	167.3	169.0	170.6	172.2	172.2	172.3	174.1	176.0	169.8	3.7%	1.0%
PPI of bakery & pasta, USA (1982=100) <sup>1</sup>	196.3	201.1	207.7	216.6	237.5	235.9	236.7	239.7	245.9	251.1	255.2	258.7	261.3	263.1	264.8	266.6	219.8	21.3%	1.3%
Barley Price, 2 Feed, Portland (US\$/t)	111.8	119.7	178.3	287.9	187.7	181.0	188.3	193.8	189.1	190.9	196.3	195.5	190.9	190.5	191.9	193.8	190.9	1.5%	0.3%
Corn, No. 2 Yellow, Central Illinois (US\$/t)	82.5	87.0	138.5	201.9	154.2	132.9	145.2	155.8	153.1	156.0	161.3	160.5	155.9	155.6	156.0	156.8	142.9	9.7%	0.9%
Soybean Price, Central Illinois (US\$/t)	218.9	212.9	265.6	461.4	376.1	333.7	296.7	315.9	372.5	359.2	355.9	371.8	383.2	381.3	388.8	389.5	329.9	18.1%	3.1%
Soymeal Price, Decatur (US\$/t)	204.6	191.9	226.5	368.5	363.3	274.4	262.7	274.8	314.7	305.8	303.1	315.3	322.7	320.8	328.9	336.7	284.9	18.2%	2.8%
Soyoil Price, Decatur (US\$/t)	489.7	520.7	681.9	1175.3	786.1	805.5	863.3	859.8	897.3	903.1	904.7	926.9	954.8	968.3	989.4	1011.0	793.9	27.3%	1.8%
Refined Sugar Price, London (US\$/t)	275.0	404.5	328.6	342.7	429.0	503.1	394.7	367.9	368.5	361.3	367.3	377.8	394.8	405.1	418.3	431.4	401.6	7.4%	1.0%
<b>Livestock</b>																			
Slaughter Steer Price, Nebraska (US\$/cwt lw)	84.3	87.2	85.5	92.0	92.5	82.5	88.8	89.2	91.2	94.8	95.4	95.2	92.3	88.3	88.0	91.5	87.9	4.0%	0.3%
Feeder Calf Price, Oklahoma (US\$/cwt lw)	111.3	118.3	114.3	112.3	105.3	99.2	106.4	107.2	105.7	107.7	108.9	108.9	106.4	102.7	103.1	107.1	109.9	-2.5%	0.1%
Commercial cows, Sioux Falls (US\$/cwt lw)	54.5	56.6	52.1	49.6	60.1	59.4	63.3	63.0	62.3	63.5	63.6	63.0	60.7	57.7	57.4	59.5	55.6	7.1%	-0.7%
Wholesale of hide, Central USA (US\$/cwt)	43.6	41.7	37.4	46.3	54.1	35.2	40.1	43.5	43.3	42.9	42.5	42.2	41.9	41.6	41.3	41.5	42.9	-3.2%	0.4%
Wholesale boxed beef choice, Central US (US\$/cwt)	140.7	145.8	146.8	149.8	153.2	137.8	147.0	147.3	151.0	157.3	159.0	159.4	155.8	150.6	151.1	157.3	146.7	7.2%	0.8%
Wholesale canner-cutter cows, Central US (US\$/cwt)	91.7	97.0	92.3	94.6	98.6	99.2	104.6	103.8	103.2	105.5	106.2	106.0	103.1	99.1	99.3	103.3	96.4	7.2%	-0.1%
Barrow & Gilt, Iowa, (US\$/cwt lw)	52.5	50.1	47.3	47.1	47.8	39.4	45.4	55.8	60.3	55.2	50.8	62.3	62.1	50.6	52.8	54.9	46.3	18.5%	2.1%
Wholesale price of pork, US (US\$/cwt)	91.8	86.7	82.9	81.9	82.2	68.5	83.0	96.1	102.1	95.9	90.8	105.8	106.1	92.0	95.4	98.7	80.4	22.7%	1.9%
Butter Price, FOB Oceania (US\$/t)	179	213	177	294	365	212	217	231	267	277	285	286	289	290	295	299	252.3	18.4%	3.6%
Skim Milk Powder Price, FOB Oceania (US\$/t)	202	222	221	432	333	213	225	234	251	258	265	266	269	271	273	274	284.3	-3.6%	2.2%
Cheddar Cheese Price, FOB Oceania (US\$/100 kg)	261	284	268	402	468	277	282	288	305	316	326	331	336	340	345	351	339.8	3.3%	2.5%
<b>Biofuels</b>																			
Ethanol Price, US (US\$/hl)	45	48	68	59	65	45	52	57	57	60	63	65	64	65	66	66	57.2	15.9%	2.7%
Ethanol Price, Brazil (US\$/hl)	23	35	46	41	46	38	42	44	46	46	47	48	51	52	54	54	41.2	32.1%	3.0%
Biodiesel Price, Central Europe (US\$/hl)	85	87	93	103	145	121	128	123	132	132	133	137	142	144	145	145	109.6	32.5%	1.4%

Historical Data Sources: AAFC FARM database; Forecast Data Source: OECD-FAO Outlook

Notes: 1. Calendar year basis.

# TABLE 2: Canadian macroeconomy

## Table 2: Canadian macroeconomy

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
Population (mil)	32.0	32.4	32.7	33.1	33.5	33.8	34.1	34.5	34.9	35.3	35.6	36.0	36.4	36.8	37.3	37.7	33.1	13.9%	1.1%
Gross Domestic Product (mil 2002\$)	1211239	1247807	1283419	1315907	1321360	1288235	1330762	1378939	1437314	1485757	1528570	1572624	1617947	1664576	1712549	1761905	1291345	36.4%	3.2%
GDP Deflator (2002=100)	3.1%	3.0%	2.9%	2.5%	0.4%	-2.5%	3.3%	3.6%	4.2%	3.4%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	115.9	27.5%	2.2%
Per Capita Disposable Income (\$)	23736	24550	26081	27153	28418	28632	29154	30045	31053	32157	33141	34157	35204	36283	37395	38541	26967.0	42.9%	3.2%
Average Weekly Wages (\$)	4.5%	3.4%	6.2%	4.1%	4.7%	0.8%	1.8%	3.1%	3.4%	3.6%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	767.3	24.5%	1.8%
	2.4%	3.8%	2.2%	4.5%	2.3%	1.0%	1.5%	1.8%	2.5%	2.2%	2.0%	1.8%	1.5%	1.5%	1.5%	1.5%			
<b>Consumer Price Indices</b>																			
All Items	104.7	107.0	109.1	111.5	114.1	114.4	116.9	119.7	122.4	125.0	127.5	130.1	132.7	135.4	138.2	141.0	111.2	26.8%	2.1%
	1.9%	2.2%	2.0%	2.1%	2.4%	0.3%	2.1%	2.4%	2.3%	2.1%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%			
Non-food, Non-energy	103.9	105.3	106.9	109.0	110.3	111.5	113.7	116.8	119.5	122.0	124.5	127.1	129.9	132.7	135.6	138.4	108.6	27.5%	2.2%
	1.3%	1.3%	1.5%	2.0%	1.2%	1.1%	2.0%	2.7%	2.3%	2.1%	2.0%	2.1%	2.2%	2.2%	2.1%	2.1%			
Energy	115.2	126.3	132.8	135.9	149.3	129.2	133.1	137.1	141.2	145.4	149.8	154.3	158.9	163.7	168.6	173.6	134.7	28.9%	3.0%
	6.8%	9.7%	5.2%	2.3%	9.8%	-13.5%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%			
Food	103.8	106.4	108.9	111.8	115.7	121.4	123.6	125.0	127.4	129.3	131.3	133.2	134.6	135.8	137.5	139.2	112.9	23.4%	1.3%
	2.0%	2.5%	2.4%	2.6%	3.5%	4.9%	1.8%	1.2%	1.9%	1.5%	1.6%	1.4%	1.1%	0.9%	1.2%	1.3%			
<b>Industrial Product Price Indices</b>																			
Petroleum & Coal	161.77	199.91	218.06	230.38	289.48	206.49	237.59	256.41	277.39	282.34	287.64	292.93	298.64	304.42	310.31	316.31	228.9	38.2%	3.2%
	16.8%	23.6%	9.1%	5.7%	25.7%	-28.7%	15.1%	7.9%	8.2%	1.8%	1.9%	1.8%	1.9%	1.9%	1.9%	1.9%			
Wood	87.64	78.45	72.29	66.80	63.39	62.85	66.04	67.95	69.68	71.50	73.23	75.00	76.81	78.67	80.58	82.53	68.8	20.0%	2.5%
	17.4%	-10.5%	-7.9%	-7.6%	-5.1%	-0.9%	5.1%	2.9%	2.5%	2.6%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%			
Autos & Parts	100.17	94.04	88.10	83.48	83.25	88.16	89.19	91.12	93.02	94.84	96.50	98.19	99.91	101.66	103.44	105.25	87.4	20.4%	1.9%
	-6.4%	-6.1%	-6.3%	-5.2%	-0.3%	5.9%	1.2%	2.2%	2.1%	2.0%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%			
Machinery	111.48	112.94	111.10	108.93	111.04	120.83	121.09	123.63	126.34	129.18	132.50	135.91	139.37	142.92	146.56	150.29	113.0	33.0%	2.4%
	0.5%	1.3%	-1.6%	-2.0%	1.9%	8.8%	0.2%	2.1%	2.2%	2.2%	2.6%	2.6%	2.5%	2.5%	2.5%	2.5%			
<b>Interest Rates (%)</b>																			
Prime Lending Rate	4.0	4.4	5.8	6.1	4.7	2.3	2.5	5.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.7	38.9%	11.3%
<b>Exchange Rate</b>																			
\$Cdn./\$U.S.	1.30	1.21	1.13	1.07	1.07	1.14	1.09	1.08	1.07	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.1	-6.3%	-0.4%
\$U.S./\$Cdn.	0.77	0.83	0.88	0.93	0.94	0.88	0.92	0.92	0.93	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.9	6.5%	0.4%
Average Grain Freight Rate, Mid prairies to port (\$/t)	34.71	35.06	38.09	41.98	43.03	40.50	40.50	41.00	41.50	42.00	42.50	43.00	43.50	44.00	44.50	45.00	39.7	13.3%	1.2%
<b>W. TEXAS INT. OIL PRICE US\$ per barrel</b>	41.44	56.47	66.08	72.26	99.68	62.17	77.42	85.95	95.55	98.38	100.82	103.24	105.93	108.67	111.47	114.34	71.3	60.3%	4.4%

Historical Data Sources: Statistics Canada - CANSIM; Conference Board of Canada - Medium Term Forecast  
Forecast Data Source: Conference Board of Canada - Extrapolation of Medium Term Forecast

**TABLE 3: Canadian grain and oilseed summary (crop year)**

**Table 3: Canadian grain and oilseed summary (crop year)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Crop Area Harvested (Mha)</b>	36.53	37.23	37.38	37.94	38.09	36.40	38.16	38.23	38.30	38.36	38.43	38.49	38.56	38.63	38.69	38.76	37.4	3.6%	0.2%
Wheat	9.39	9.40	9.68	8.64	10.03	9.54	10.15	9.95	10.20	9.61	9.94	9.98	9.91	9.83	9.88	9.96	9.5	5.3%	-0.2%
Coarse Grains <sup>1</sup>	6.42	6.24	6.11	7.39	6.33	5.24	6.03	6.40	6.43	6.31	6.16	6.28	6.26	6.15	6.19	6.19	6.3	-1.2%	0.3%
Oilseeds <sup>2</sup>	6.56	7.07	7.22	7.97	8.32	8.11	8.57	8.44	8.19	8.97	8.80	8.68	8.87	9.19	9.26	9.34	7.7	20.7%	1.0%
Special Crops <sup>3</sup> (Western Canada)	2.66	2.57	2.20	2.58	2.75	2.89	2.86	3.01	3.06	3.05	2.96	2.92	2.90	2.89	2.87	2.84	2.6	9.5%	-0.1%
Hay (Seeded Area)	8.02	8.16	8.67	8.24	8.20	8.17	8.07	7.99	8.00	8.11	8.25	8.33	8.35	8.33	8.27	8.22	8.3	-0.8%	0.2%
Summerfallow	3.48	3.79	3.49	3.12	2.46	2.46	2.47	2.44	2.42	2.31	2.31	2.30	2.26	2.24	2.23	2.20	3.1	-28.0%	-1.3%
<b>Production, Domestic Use &amp; Export Summary (Mt)</b>																			
Wheat																			
Production	24.80	25.75	25.27	20.05	28.61	26.51	28.44	28.21	29.02	27.36	28.50	28.85	28.77	28.67	28.98	29.36	25.2	16.3%	0.4%
Domestic Use	8.06	8.30	8.70	6.68	7.88	8.13	8.57	8.62	8.74	8.78	8.75	8.81	8.96	9.01	9.05	9.11	7.9	14.7%	0.7%
Exports	14.81	15.70	19.43	15.86	18.61	18.00	19.06	20.02	20.07	18.78	19.60	19.95	19.68	19.63	19.93	20.28	17.5	15.8%	0.7%
Coarse Grains <sup>1</sup>																			
Production	25.60	24.94	23.14	27.84	27.18	22.37	25.21	26.74	27.06	26.82	26.48	27.05	27.08	26.77	27.06	27.20	25.1	8.4%	0.9%
Domestic Use	21.06	20.80	22.49	21.98	20.84	20.77	21.60	21.64	21.78	21.96	21.78	21.95	22.53	22.52	22.58	22.68	21.4	6.1%	0.5%
Exports	3.89	5.22	4.81	7.82	5.21	4.51	5.20	5.85	6.10	5.84	5.74	5.79	5.58	5.49	5.64	5.77	5.5	4.6%	1.2%
Oilseeds <sup>2</sup>																			
Production	11.23	13.63	13.45	12.93	16.84	16.26	16.72	16.56	16.21	17.87	17.67	17.55	18.07	18.83	19.10	19.41	14.6	32.7%	1.7%
Domestic Use	5.73	5.93	6.22	6.29	6.58	7.42	8.43	8.82	8.76	8.95	9.13	9.32	9.56	9.79	10.01	10.32	6.5	59.1%	2.3%
Exports	5.00	7.26	7.90	8.04	10.38	8.40	9.01	8.16	8.27	9.11	8.94	8.73	8.96	9.39	9.50	9.47	8.4	12.8%	0.6%

Historical Data Sources: Statistics Canada - CANSIM

Notes: 1. Coarse Grains consists of Barley, Corn, Oats, Rye and Mixed Grains.

2. Oilseeds consists of Canola, Soybeans and Flaxseed

3. Special Crops consists of Canary Seed, Mustard Seed, Lentils, Dry Peas, Sunflower and Chickpeas.

# TABLE 4: Canadian wheat (crop year)

## Table 4: Canadian wheat (crop year)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>All Wheat Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	9.39	9.40	9.68	8.64	10.03	9.54	10.15	9.95	10.20	9.61	9.94	9.98	9.91	9.83	9.88	9.96	9.5	5.3%	-0.2%
Yield (t/ha)	2.64	2.74	2.61	2.32	2.85	2.78	2.80	2.84	2.85	2.85	2.87	2.89	2.90	2.92	2.93	2.95	2.7	10.8%	0.6%
Production	24.80	25.75	25.27	20.05	28.61	26.51	28.44	28.21	29.02	27.36	28.50	28.85	28.77	28.67	28.98	29.36	25.2	16.3%	0.4%
Food Use	2.96	2.99	2.96	2.86	2.73	2.80	2.99	2.87	2.94	2.96	2.98	3.00	3.02	3.05	3.08	3.12	2.9	8.7%	0.4%
Use for Ethanol	0.13	0.18	0.41	0.39	1.04	1.15	1.38	1.47	1.46	1.46	1.47	1.47	1.47	1.46	1.46	1.46	0.6	130.1%	0.6%
Feed Use	3.98	4.15	4.45	2.38	3.06	3.17	3.24	3.31	3.35	3.38	3.33	3.38	3.50	3.53	3.54	3.56	3.4	3.5%	1.1%
Other Domestic Use	0.98	0.98	0.88	1.05	1.05	1.01	0.95	0.96	0.99	0.97	0.97	0.96	0.97	0.97	0.97	0.97	1.0	-2.4%	0.2%
Exports	14.81	15.70	19.43	15.86	18.61	18.00	19.06	20.02	20.07	18.78	19.60	19.95	19.68	19.63	19.93	20.28	17.5	15.8%	0.7%
Ending Stocks	7.92	9.70	6.87	4.41	6.56	7.00	7.86	7.47	7.73	7.57	7.76	7.89	8.06	8.13	8.17	8.19	6.9	18.6%	0.5%
CWB Final Price, #1 CWRS (\$/t) <sup>1</sup>	196	186	209	369	294	227	225	238	244	247	251	254	252	251	255	258	257.1	0.5%	1.6%
Farm Gate Price, Prairies (\$/t)	88	88	113	194	175	130	127	137	141	143	145	146	144	143	145	147	139.9	5.0%	1.6%
Milling Price (\$/t)	213	220	235	430	337	250	247	261	269	272	276	279	278	276	280	284	294.4	-3.4%	1.6%
<b>Durum Wheat Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	2.05	2.28	1.52	1.93	2.42	2.23	2.25	2.03	2.18	2.30	2.34	2.27	2.28	2.30	2.34	2.36	2.1	13.8%	0.6%
Yield (t/ha)	2.34	2.60	2.21	1.91	2.28	2.42	2.43	2.43	2.44	2.44	2.45	2.45	2.46	2.46	2.47	2.47	2.3	8.2%	0.2%
Production	4.80	5.91	3.35	3.68	5.52	5.40	5.45	4.95	5.30	5.61	5.73	5.55	5.59	5.65	5.76	5.83	4.8	22.2%	0.8%
Food & Industrial Use	0.25	0.25	0.26	0.23	0.23	0.25	0.28	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.2	14.7%	0.0%
Other Domestic Use	0.62	0.61	0.63	0.72	0.57	0.65	0.67	0.63	0.66	0.68	0.70	0.68	0.68	0.68	0.69	0.69	0.6	8.5%	0.3%
Exports	3.22	4.27	4.48	3.17	3.64	3.70	4.30	4.50	4.32	4.59	4.80	4.63	4.56	4.63	4.79	4.89	3.9	26.9%	1.4%
Ending Stocks	2.49	3.27	1.26	0.82	1.90	2.70	2.89	2.46	2.51	2.59	2.57	2.54	2.62	2.69	2.70	2.68	2.0	34.6%	-0.9%
CWB Final Price, #1 CWAD (\$/t) <sup>1</sup>	210	189	223	510	365	249	238	250	256	258	261	264	263	261	265	268	307.0	-12.8%	1.3%
Farm Gate Price, Prairies (\$/t)	95	82	104	250	207	130	124	132	136	138	140	142	141	140	142	145	154.7	-6.4%	1.8%

Historical Data Sources: Statistics Canada - Cereals & Oilseeds Review, Catalogue 22-007; Statistics Canada - CANSIM; Statistics Canada - Farm Product Price Book; Canadian Wheat Board - Annual Report; Canada Grain Council - Statistical Handbook; GRIP calculations  
 Note: 1. Prior to 1995 CWB Final Prices are basis Thunder Bay, thereafter basis St. Lawrence



# TABLE 5: Canadian coarse grains (crop year)

## Table 5: Canadian coarse grains (crop year)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Barley Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	3.84	3.63	3.22	4.00	3.50	2.92	3.48	3.62	3.62	3.58	3.41	3.50	3.51	3.43	3.46	3.46	3.5	0.0%	-0.1%
Yield (t/ha)	3.27	3.21	2.97	2.75	3.36	3.26	3.13	3.15	3.17	3.18	3.20	3.21	3.23	3.25	3.26	3.28	3.1	5.3%	0.5%
Production	12.56	11.68	9.57	10.98	11.78	9.52	10.90	11.42	11.46	11.40	10.90	11.25	11.32	11.13	11.28	11.33	10.7	5.8%	0.4%
Feed Use	8.81	8.40	8.83	6.57	7.70	7.38	7.28	7.40	7.46	7.51	7.39	7.46	7.73	7.72	7.71	7.73	7.8	-0.6%	0.7%
Other Domestic Use	0.63	0.49	0.58	0.49	0.47	0.52	0.52	0.53	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.5	8.9%	0.6%
Exports	1.86	2.98	2.01	3.91	2.38	2.30	3.00	3.33	3.47	3.37	3.17	3.16	2.96	2.88	3.00	3.08	2.7	13.4%	0.3%
Ending Stocks	3.44	3.29	1.49	1.57	2.84	2.20	2.33	2.53	2.53	2.51	2.33	2.43	2.54	2.54	2.59	2.59	2.3	13.5%	1.1%
Farm Gate Price, Prairies (\$/t)	79	65	106	167	184	133	140	140	129	130	137	134	130	128	128	128	131.1	-2.2%	-1.0%
Off-Board Barley Price, Lethbridge (\$/t)	112	110	165	214	179	173	180	180	169	170	177	174	170	168	168	168	168.0	0.2%	-0.8%
CWB Final Price, Select CW 2Row (\$/t) <sup>1</sup>	180	168	202	298	314	243	251	251	241	243	251	249	245	245	246	247	245.0	0.7%	-0.2%
<b>Corn Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	1.07	1.08	1.06	1.37	1.17	1.18	1.24	1.30	1.31	1.31	1.31	1.32	1.31	1.30	1.30	1.30	1.2	11.0%	0.5%
Yield (t/ha)	8.24	8.60	8.47	8.51	9.06	8.09	8.59	8.63	8.67	8.71	8.75	8.78	8.82	8.86	8.90	8.94	8.5	4.5%	0.4%
Production	8.84	9.33	8.99	11.65	10.59	9.56	10.68	11.19	11.38	11.41	11.46	11.61	11.57	11.49	11.58	11.64	10.0	16.1%	1.0%
Imports	2.42	1.90	2.09	3.18	1.86	2.00	2.31	1.72	1.60	1.64	1.51	1.49	1.84	1.89	1.89	1.91	2.2	-13.5%	-2.1%
West	0.73	0.71	0.70	2.30	0.83	0.50	0.95	0.85	0.74	0.75	0.76	0.69	0.66	0.64	0.59	0.55	1.0	-45.1%	-5.9%
East	1.69	1.19	1.39	0.89	1.04	1.50	1.36	0.87	0.86	0.89	0.75	0.80	1.18	1.25	1.29	1.36	1.2	13.0%	0.0%
Feed Use	7.96	8.50	8.46	10.22	7.59	7.40	7.97	7.75	7.87	7.89	7.78	7.81	8.07	8.07	8.07	8.08	8.4	-4.2%	0.2%
West	0.60	0.77	0.93	2.32	0.88	0.84	1.23	1.09	1.00	0.99	1.01	0.95	0.94	0.92	0.88	0.85	1.1	-25.6%	-4.0%
East	7.36	7.73	7.53	7.90	6.72	6.57	6.74	6.66	6.87	6.90	6.76	6.85	7.13	7.15	7.18	7.23	7.3	-0.8%	0.8%
Use for Ethanol	0.34	0.45	0.98	1.45	1.99	2.06	2.56	2.73	2.68	2.76	2.83	2.88	2.91	2.88	2.94	2.99	1.4	115.6%	1.7%
Other Domestic Use	1.62	1.40	1.55	1.69	1.70	1.80	1.67	1.62	1.62	1.63	1.63	1.65	1.67	1.69	1.71	1.73	1.6	6.3%	0.4%
Exports	0.23	0.24	0.29	0.91	0.33	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.4	-27.6%	0.0%
Ending Stocks	1.80	2.00	1.34	1.46	1.86	1.40	1.45	1.51	1.58	1.60	1.59	1.62	1.63	1.63	1.64	1.65	1.6	2.6%	1.4%
Elevator Price, Chatham (\$/t)	100	96	138	180	167	143	151	159	155	158	162	161	158	157	157	158	144.9	9.2%	0.5%
<b>Oats Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	1.23	1.27	1.54	1.82	1.45	0.95	1.12	1.29	1.31	1.23	1.26	1.28	1.27	1.25	1.26	1.26	1.4	-10.3%	1.3%
Yield (t/ha)	2.81	2.58	2.51	2.59	2.95	2.95	2.81	2.83	2.85	2.87	2.89	2.92	2.94	2.96	2.98	3.00	2.7	10.5%	0.7%
Production	3.47	3.28	3.85	4.70	4.27	2.80	3.14	3.66	3.74	3.53	3.65	3.73	3.72	3.69	3.74	3.78	3.8	0.0%	2.1%
Feed Use	1.37	1.29	1.61	1.30	1.11	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.3	-1.5%	0.0%
Exports	1.68	1.87	2.30	2.81	2.43	1.78	1.78	2.09	2.19	2.04	2.14	2.20	2.19	2.18	2.22	2.26	2.2	1.1%	2.7%
Farm Gate Price, Prairies (\$/t)	120	120	150	177	164	132	136	139	140	140	144	143	140	139	139	140	148.3	-5.7%	0.3%
<b>Rye Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	0.16	0.14	0.16	0.11	0.13	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.1	-20.5%	-1.0%
Yield (t/ha)	2.54	2.43	2.34	2.31	2.40	2.43	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.59	2.61	2.63	2.4	10.6%	0.8%
Production	0.40	0.33	0.38	0.25	0.32	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.3	-12.1%	-0.2%
Exports	0.13	0.14	0.21	0.19	0.08	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.2	-12.6%	0.2%

Historical Data Sources: Statistics Canada - Cereals & Oilseeds Review, Catalogue 22-007; Statistics Canada - CANSIM; Statistics Canada - Farm Product Price Book;

Canadian Wheat Board - Annual Report; Canada Grain Council - Statistical Handbook; GRIP calculations

Note: 1. Prior to 1995 CWB Final Prices are basis Thunder Bay, thereafter basis St. Lawrence

# TABLE 6: Canadian oilseeds (crop year)

## Table 6: Canadian oilseeds (crop year)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Canola Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	4.87	5.18	5.24	6.28	6.49	6.10	6.63	6.58	6.28	6.90	6.76	6.68	6.84	7.11	7.19	7.25	5.9	23.8%	1.0%
Yield (t/ha)	1.58	1.83	1.72	1.53	1.95	1.94	1.85	1.86	1.88	1.89	1.91	1.93	1.94	1.96	1.97	1.99	1.8	10.9%	0.8%
Production	7.67	9.48	9.00	9.60	12.64	11.83	12.26	12.27	11.80	13.07	12.92	12.86	13.27	13.91	14.17	14.42	10.5	37.2%	1.8%
Crushings	3.03	3.42	3.58	4.14	4.28	5.00	5.65	6.01	5.99	6.12	6.29	6.47	6.67	6.87	7.07	7.34	4.1	79.7%	3.0%
Meal Production	1.90	2.03	2.11	2.50	2.49	3.01	3.41	3.63	3.62	3.70	3.81	3.92	4.05	4.17	4.30	4.47	2.4	84.2%	3.1%
Oil Production	1.25	1.46	1.55	1.74	1.84	2.14	2.42	2.57	2.57	2.62	2.70	2.78	2.87	2.96	3.05	3.17	1.7	81.5%	3.1%
Seed Exports	3.41	5.41	5.48	5.66	7.91	6.00	6.46	5.82	5.81	6.27	6.18	6.04	6.18	6.50	6.61	6.55	6.1	7.5%	0.2%
Ending Stocks	1.59	2.01	1.78	1.46	1.66	2.15	1.90	1.95	1.58	1.83	1.87	1.80	1.79	1.87	1.89	1.95	1.8	7.5%	0.3%
Canola Oil Food Use	0.37	0.43	0.47	0.44	0.43	0.48	0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.5	5.9%	0.2%
Canola Oil Biodiesel Use	0.00	0.00	0.00	0.00	0.01	0.08	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.0	545.6%	1.8%
Canola Oil Exports	0.97	1.09	1.26	1.31	1.53	1.57	1.85	2.00	1.99	2.04	2.12	2.19	2.28	2.37	2.46	2.57	1.4	90.4%	3.7%
Canola Meal Feed Use	0.51	0.53	0.62	0.65	0.63	0.66	0.66	0.67	0.65	0.67	0.67	0.67	0.69	0.69	0.69	0.69	0.6	12.5%	0.5%
Canola Meal Exports	1.41	1.49	1.48	1.86	1.86	2.35	2.75	2.96	2.97	3.03	3.14	3.26	3.37	3.49	3.61	3.78	1.8	108.9%	3.6%
Canola Cash Price, #1 Vancouver (\$/t)	309	278	370	553	467	414	393	402	467	456	454	468	480	480	486	486	416.5	16.8%	2.4%
Farm Gate Price, Prairies (\$/t)	289	252	330	465	451	367	345	353	419	408	404	418	429	428	434	433	373.1	16.1%	2.6%
Canola Meal Price (\$/t)	166	157	167	248	264	184	165	167	196	190	188	195	198	196	200	202	203.8	-0.8%	2.3%
Canola Oil Price (\$/t)	689	638	788	1241	918	905	970	958	992	995	995	1018	1047	1060	1081	1103	898.2	22.8%	1.4%
Effective Crush Margin (\$/t)	106	127	110	168	81	146	178	171	133	145	150	150	152	158	163	175	126.4	38.5%	-0.2%
<b>Soybean Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	1.17	1.17	1.20	1.17	1.20	1.38	1.27	1.22	1.24	1.34	1.33	1.30	1.33	1.35	1.35	1.36	1.2	10.9%	0.8%
Yield (t/ha)	2.59	2.71	2.89	2.30	2.79	2.54	2.71	2.73	2.74	2.75	2.77	2.78	2.80	2.81	2.82	2.84	2.6	7.3%	0.5%
Production	3.04	3.16	3.47	2.70	3.34	3.50	3.44	3.32	3.40	3.70	3.67	3.63	3.71	3.79	3.80	3.85	3.2	19.2%	1.3%
Imports	0.39	0.34	0.24	0.34	0.36	0.28	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.3	-3.0%	0.0%
Exports	1.12	1.32	1.74	1.70	1.87	1.95	1.69	1.55	1.64	1.94	1.90	1.85	1.91	1.99	1.99	2.02	1.7	17.6%	2.0%
Soy Meal Imports	1.13	1.31	1.38	1.45	1.17	1.52	1.38	1.36	1.32	1.40	1.41	1.39	1.45	1.47	1.46	1.44	1.4	5.5%	0.4%
Soy Meal Feed Use	2.28	2.37	2.47	2.45	2.13	2.51	2.44	2.43	2.38	2.46	2.47	2.46	2.53	2.55	2.54	2.54	2.4	6.7%	0.4%
Soybean Cash Price, #2 Chatham (\$/t)	248	220	263	432	425	346	305	323	381	365	361	378	389	386	394	394	337.1	16.8%	2.9%
<b>Flaxseed Supply-Disposition (Mt)</b>																			
Area Harvested (Mha)	0.52	0.73	0.79	0.52	0.63	0.62	0.68	0.64	0.66	0.72	0.71	0.70	0.71	0.73	0.73	0.73	0.7	11.3%	0.8%
Yield (t/ha)	1.00	1.35	1.26	1.21	1.38	1.49	1.50	1.50	1.51	1.52	1.52	1.53	1.53	1.54	1.55	1.55	1.3	16.1%	0.4%
Production	0.52	0.99	0.99	0.63	0.86	0.93	1.02	0.97	1.00	1.10	1.08	1.07	1.09	1.12	1.13	1.14	0.9	29.1%	1.2%
Exports	0.47	0.54	0.68	0.68	0.60	0.45	0.86	0.79	0.81	0.89	0.87	0.85	0.87	0.90	0.90	0.91	0.6	53.9%	0.5%
Cash Price, #1 CW Thunder Bay (\$/t)	454	276	302	611	500	392	372	381	442	432	430	443	454	454	460	460	416.2	10.6%	2.4%
Farm Gate Price, Prairies (\$/t)	438	259	263	546	553	364	341	350	416	404	401	414	426	425	431	430	396.9	8.2%	2.6%

Historical Data Sources: Statistics Canada - Cereals & Oilseeds Review, Catalogue 22-007; Statistics Canada - CANSIM; Statistics Canada - Farm Product Price Book;

Canadian Wheat Board - Annual Report; Canada Grain Council - Statistical Handbook; GRIP calculations

Note: 1. In November 2001, the basis changed from FOB Plants to FOB Vancouver

**TABLE 7: Canadian special crops (crop year)**

**Table 7: Canadian special crops (crop year)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Harvested Area (thous ha)</b>	2655	2566	2201	2580	2752	2885	2863	3007	3064	3051	2962	2919	2900	2886	2867	2844	2596.9	9.5%	-0.1%
Canary Seed	318	182	131	174	164	128	161	169	173	172	167	165	164	163	163	161	155.7	3.7%	0.0%
Chick Peas	39	73	128	174	51	71	72	75	77	77	74	73	73	73	72	72	99.4	-27.8%	0.0%
Dry Peas	1244	1267	1231	1443	1582	1487	1458	1531	1559	1551	1504	1481	1470	1462	1451	1438	1402.1	2.6%	-0.2%
Lentils	714	785	504	534	700	935	903	950	969	966	939	926	921	917	912	906	691.6	30.9%	0.0%
Mustard Seed	285	188	130	176	186	200	204	214	218	218	211	208	207	206	205	203	176.1	15.4%	0.0%
Sunflower Seed	55	71	77	79	69	65	64	67	69	68	66	65	65	64	64	63	72.1	-11.9%	-0.1%
<b>Canary Seed</b>																			
Production (kt)	301	227	133	162	196	142	169	178	182	181	176	174	173	173	172	171	171.9	-0.5%	0.1%
Farm Price, Western Canada (\$/t)	230	195	335	560	480	450	435	436	436	437	437	438	438	439	439	440	404.0	8.9%	0.1%
<b>Chick Peas</b>																			
Production (kt)	51	104	163	225	67	76	100	105	108	107	105	103	103	102	102	101	126.9	-20.1%	0.1%
Farm Price, Western Canada (\$/t)	385	490	550	560	560	555	565	566	566	567	568	569	569	570	571	571	543.0	5.2%	0.1%
<b>Dry Peas</b>																			
Production (kt)	3098	2994	2520	2935	3571	3379	3233	3397	3463	3448	3349	3300	3280	3265	3243	3218	3079.9	4.5%	-0.1%
Farm Price, Western Canada (\$/t)	135	120	180	305	250	209	190	192	206	201	198	205	208	205	209	210	212.8	-1.1%	1.2%
<b>Lentils</b>																			
Production (kt)	916	1164	693	734	1043	1510	1174	1236	1262	1259	1225	1210	1204	1201	1195	1188	1028.9	15.5%	0.1%
Farm Price, Western Canada (\$/t)	310	230	310	635	750	660	600	602	603	605	606	608	609	611	612	614	517.0	18.7%	0.2%
<b>Mustard Seed</b>																			
Production (kt)	287	184	108	123	161	208	176	185	189	188	183	180	179	179	178	176	156.9	12.5%	0.1%
Farm Price, Western Canada (\$/t)	295	265	380	695	845	715	700	701	702	703	704	705	706	707	708	710	580.0	22.3%	0.2%
<b>Sunflower Seed</b>																			
Production (kt)	52	84	157	125	112	102	101	106	108	108	105	103	103	102	102	101	116.0	-13.1%	0.0%
Farm Price, Western Canada (\$/t)	490	345	395	585	630	530	490	490	491	491	492	492	493	493	494	494	497.0	-0.5%	0.1%

Historical Data Sources: Statistics Canada - CANSIM.

**TABLE 8: Canadian animal feed (crop year)**

**Table 8: Canadian animal feed (crop year)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
Grain Consuming Animal Units (Mil Hog Equivalent)	91754	94438	94408	96551	95901	91042	87705	88228	88670	90650	90325	90369	92818	93436	93322	93654	94468.2	-0.9%	0.7%
<b>Total Feed Consumption (Mt)</b>	26.57	26.55	28.40	25.76	24.50	24.74	25.65	25.59	25.67	25.92	25.65	25.77	26.54	26.57	26.56	26.63	26.0	2.4%	0.4%
<b>Total Grain Feed Consumption (Mt)</b>	22.55	22.74	23.87	20.81	19.77	19.56	20.08	20.05	20.27	20.38	20.09	20.23	20.88	20.90	20.89	20.95	21.4	-1.9%	0.5%
Wheat	3.98	4.15	4.45	2.38	3.06	3.17	3.24	3.31	3.35	3.38	3.33	3.38	3.50	3.53	3.54	3.56	3.4	3.5%	1.1%
Barley	8.81	8.40	8.83	6.57	7.70	7.38	7.28	7.40	7.46	7.51	7.39	7.46	7.73	7.72	7.71	7.73	7.8	-0.6%	0.7%
Oats	1.37	1.29	1.61	1.30	1.11	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.3	-1.5%	0.0%
Corn	7.96	8.50	8.46	10.22	7.59	7.40	7.97	7.75	7.87	7.89	7.78	7.81	8.07	8.07	8.07	8.08	8.4	-4.2%	0.2%
<b>Total Protein Feed Consumption (Mt)</b>	3.38	3.20	3.55	3.41	2.97	3.42	3.47	3.47	3.40	3.51	3.52	3.51	3.60	3.63	3.63	3.64	3.3	9.9%	0.5%
Soybean Meal	2.28	2.37	2.47	2.45	2.13	2.51	2.44	2.43	2.38	2.46	2.47	2.46	2.53	2.55	2.54	2.54	2.4	6.7%	0.4%
Canola Meal	0.51	0.53	0.62	0.65	0.63	0.66	0.66	0.67	0.65	0.67	0.67	0.67	0.69	0.69	0.69	0.69	0.6	12.5%	0.5%
Dry Peas	0.60	0.30	0.46	0.31	0.21	0.25	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.3	29.8%	0.9%
<b>Distillers Dried Grains (Mt)</b>																			
Wheat	0.05	0.07	0.15	0.15	0.39	0.43	0.51	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.2	130.1%	0.6%
Corn	0.11	0.14	0.31	0.46	0.63	0.65	0.81	0.86	0.84	0.87	0.89	0.91	0.92	0.91	0.93	0.94	0.4	115.6%	1.7%

Historical Data Sources: Statistics Canada - Cereals & Oilseeds Review , Catalogue 22-007; Statistics Canada - CANSIM; Statistics Canada - Canadian Livestock Usage Study; Agriculture and Agri-Food Canada - Internal calculations

# TABLE 9: Canadian cereal and oilseeds processing industries

## Table 9: Canadian cereal and oilseeds processing industries

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Wheat Flour (kt)</b>																			
Production	2429	2446	2444	2390	2248	2259	2364	2420	2416	2463	2489	2510	2532	2561	2594	2629	2357.3	11.5%	1.2%
Imports	42.89	49.04	52.37	100.50	112.56	113.52	114.48	115.45	116.44	117.43	118.42	119.43	120.45	121.47	122.50	123.54	85.6	44.3%	0.8%
Disappearance <sup>1</sup>	2254	2290	2270	2285	2198	2286	2283	2323	2369	2412	2443	2471	2495	2516	2535	2550	2265.7	12.5%	1.2%
Exports	220	206	223	201	169	132	195	213	164	168	165	158	158	167	182	203	186.2	8.9%	0.4%
Ending Stocks	21.48	20.69	23.50	27.92	22.26	22.15	22.04	21.93	21.82	21.71	21.60	21.49	21.39	21.28	21.17	21.07	23.3	-9.6%	-0.5%
Producer Price Index (1997=100)	108.48	109.93	112.50	120.65	137.61	127.54	121.78	117.87	121.17	122.62	123.64	124.91	125.69	125.91	126.59	127.88	121.6	5.1%	0.5%
<b>Bakery and Pasta (kt)</b>																			
Production <sup>1</sup>	2600	2671	2982	3088	3137	3287	3261	3289	3328	3369	3398	3427	3452	3476	3498	3516	3032.8	15.9%	0.8%
Imports	508	557	616	651	684	645	666	688	696	701	711	721	713	716	709	699	630.4	10.9%	0.5%
Disappearance <sup>1</sup>	2372	2460	2808	2927	3051	3209	3171	3206	3242	3279	3312	3348	3366	3395	3417	3437	2891.0	18.9%	0.9%
Exports	736	768	789	813	769	723	756	770	782	791	797	800	800	796	789	779	772.2	0.8%	0.3%
Producer Price Index (1997=100)	112	114	115	117	122	112	110	113	114	114	115	116	116	116	116	117	116.0	0.5%	0.6%
<b>Beer (ml)</b>																			
Production	2468	2538	2909	2953	2931	2873	2793	2802	2802	2821	2841	2859	2882	2905	2929	2954	2840.9	4.0%	0.6%
Disappearance <sup>1</sup>	2314	2438	2792	2853	2877	2821	2742	2752	2754	2774	2795	2814	2838	2863	2888	2914	2756.3	5.7%	0.7%
Producer Price (\$/l)	1.12	1.14	1.15	1.19	1.21	1.23	1.26	1.29	1.31	1.34	1.36	1.38	1.41	1.43	1.45	1.47	1.2	24.6%	1.8%
Consumer Price (\$/l)	4.41	4.49	4.51	4.62	4.67	4.76	4.92	5.02	5.15	5.26	5.35	5.45	5.54	5.63	5.71	5.80	4.6	25.8%	1.9%
<b>Oil Products (kt)</b>																			
Production of Margarine	141.32	134.01	130.70	132.48	132.87	120.25	118.25	118.50	118.10	119.73	120.17	120.73	121.54	122.55	123.19	123.69	130.1	-4.9%	0.5%
Disappearance of Margarine	137.77	133.62	129.45	128.55	129.08	117.45	115.41	115.62	115.16	116.76	117.15	117.66	118.42	119.39	119.98	120.42	127.6	-5.6%	0.5%
Production of Shortening	264.31	288.53	274.66	307.72	315.33	285.57	279.57	278.45	276.68	276.40	275.84	275.21	274.68	274.40	273.44	272.14	294.4	-7.5%	-0.3%
Disappearance of Shortening	280.34	286.97	269.02	267.68	268.53	240.07	233.61	232.02	229.79	229.04	228.00	226.90	225.90	225.13	223.68	221.89	266.5	-16.7%	-0.6%
Production of Salad Oil	592.90	568.74	654.89	561.92	852.84	794.82	786.76	793.94	796.77	800.25	800.98	801.62	804.08	808.26	808.05	806.42	686.6	17.4%	0.3%
Disappearance of Salad Oil	402.08	403.77	404.35	402.51	403.64	404.57	393.51	397.66	397.45	397.86	395.49	393.01	392.33	393.35	389.95	385.11	403.8	-4.6%	-0.2%
<b>Biofuels (mil litres)</b>																			
Production of Ethanol	179.07	206.82	365.21	612.39	903.51	1194.21	1352.73	1563.36	1611.57	1610.93	1641.30	1664.73	1681.37	1682.08	1683.62	1705.43	656.4	159.8%	2.6%
Consumption of Ethanol	305.96	323.34	408.12	1107.57	1443.41	1713.78	1983.98	2030.55	2050.16	2092.10	2122.35	2153.71	2186.85	2221.20	2254.66	2288.17	999.2	129.0%	1.6%
Net Trade of Ethanol	-126.90	-116.51	-42.91	-495.18	-539.90	-519.57	-631.25	-467.19	-438.59	-481.17	-481.05	-488.98	-505.48	-539.12	-571.04	-582.74	-342.8	70.0%	-0.9%
Production of Biodiesel	3.42	14.02	38.11	71.35	115.52	205.71	343.87	414.33	425.39	436.81	447.28	457.93	468.56	478.50	487.84	497.54	88.9	459.4%	4.2%
Consumption of Biodiesel	3.42	14.02	38.11	71.35	115.52	205.66	343.83	414.57	424.74	436.01	447.28	457.93	468.56	478.50	487.84	497.54	88.9	670.0%	8.0%
Net Trade of Biodiesel	0.00	0.00	0.00	0.00	0.00	0.05	0.04	-0.23	-217.35	-213.20	-208.13	-203.00	-198.32	-194.51	-191.08	-187.25	0.0	-1858645.7%	-356.6%

Historical Data Sources: Statistics Canada - CANSIM, Food Consumption in Canada-Part II, and Oils and Fats.

Note: 1. Calculated by Agriculture and Agri-Food Canada.



# TABLE 10: Canadian cattle and beef

## Table 10: Canadian cattle and beef

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Ending Cattle Inventories (thous head)</b>	14925	14655	14140	13894	13180	13129	13246	13331	13524	13580	13751	13881	13816	13668	13449	13249	13799.5	-4.0%	0.0%
Dairy Cows	1041	1019	1005	984	978	975	975	970	969	954	944	930	923	914	906	894	992.1	-9.9%	-1.0%
Dairy Heifers	518	495	480	471	456	444	442	442	432	431	425	420	414	411	407	403	469.1	-14.0%	-1.0%
Beef Cows & Bulls	5556	5511	5255	5229	4893	4815	4705	4687	4761	4835	4902	4951	4957	4928	4859	4787	5140.6	-6.9%	0.2%
Beef Heifers	1583	1615	1551	1578	1362	1237	1417	1385	1430	1436	1425	1435	1444	1458	1412	1420	1468.4	-3.3%	0.0%
Steers	1160	1147	1145	1102	1058	991	1168	1023	1156	1182	1186	1221	1266	1190	1144	1179	1088.5	8.3%	0.1%
Calves	5067	4868	4705	4531	4434	4667	4538	4824	4777	4743	4869	4924	4813	4768	4721	4566	4640.8	-1.6%	0.1%
<b>Cattle Supply-Disposition (thous head)</b>																			
Marketings	4065	4362	4347	4344	4446	4244	4068	4075	3897	4094	4114	4141	4242	4359	4291	4243	4348.7	-2.4%	0.5%
Slaughter <sup>1</sup>	4073	4043	3651	3497	3535	3482	3405	3446	3530	3631	3690	3723	3746	3761	3767	3775	3641.7	3.7%	1.2%
Steers and Heifers <sup>2</sup>	3397	3237	2748	2620	2637	2732	2761	2823	2887	2980	3036	3066	3087	3100	3105	3109	2794.6	11.2%	1.3%
Bulls and Cows <sup>2</sup>	528	696	801	803	831	670	564	542	564	571	574	577	580	581	582	587	760.1	-22.8%	0.4%
Net Exports																			
Slaughter Cattle	-8	319	696	847	911	762	663	629	367	464	424	418	496	598	524	468	707.0	-33.8%	-3.8%
Feeder Cattle	0	222	297	512	607	318	128	203	364	357	270	326	434	366	467	447	391.3	14.2%	14.9%
<b>Western Canada Cattle Supply-Disposition (thous head)</b>																			
Marketings	3023	3252	3245	3271	3313	3156	2916	2980	2838	3041	3089	3133	3254	3391	3354	3299	3247.3	1.6%	1.4%
Slaughter <sup>1</sup>	3011	2944	2574	2537	2650	2580	2424	2486	2543	2654	2724	2770	2820	2862	2880	2879	2657.1	8.4%	1.9%
Steers and Heifers <sup>2</sup>	2631	2489	1989	1925	1970	2038	1998	2080	2130	2234	2295	2332	2371	2409	2431	2431	2082.3	16.7%	2.2%
Bulls and Cows <sup>2</sup>	249	347	483	537	613	462	346	325	332	340	349	358	369	373	369	369	488.4	-24.5%	0.7%
Net Exports <sup>3</sup>																			
Slaughter Cattle	12	307	671	734	663	575	492	494	295	387	365	363	434	529	474	420	590.2	-28.8%	-1.8%
Feeder Cattle	180	418	452	637	722	334	295	451	534	492	404	444	533	426	450	398	512.6	-22.4%	3.4%
<b>Eastern Canada Cattle Supply-Disposition (thous head)</b>																			
Marketings	1042	1111	1102	1073	1133	1089	1152	1096	1059	1054	1025	1008	988	968	937	944	1101.4	-14.3%	-2.2%
Slaughter <sup>1</sup>	1062	1099	1076	960	885	902	981	960	988	977	966	953	926	899	887	896	984.6	-9.0%	-1.0%
Steers and Heifers <sup>2</sup>	765	748	758	695	667	693	763	743	756	746	741	735	716	691	675	678	712.3	-4.8%	-1.3%
Bulls and Cows <sup>2</sup>	280	349	318	265	218	209	218	217	231	231	225	219	211	208	213	218	271.7	-19.7%	0.0%
Net Exports <sup>3</sup>																			
Slaughter Cattle	-20	12	25	113	248	187	170	136	72	77	59	55	62	69	50	48	116.9	-58.9%	-13.1%
Feeder Cattle	-180	-195	-155	-125	-116	-16	-167	-247	-170	-135	-134	-118	-99	-59	16	49	-121.2	-140.4%	-187.2%
Steer Price, A1-A2, Edmonton (\$/cwt)	78	85	87	88	89	85	87	86	88	89	90	89	86	82	82	85	86.6	-1.8%	-0.2%
Feeder Calf Price 5-600 lb, Edmonton (\$/cwt)	99	124	129	114	104	112	114	113	111	112	114	113	109	105	104	109	116.5	-6.3%	-0.5%
Cow Price, D1,D2 Ontario (\$/cwt)	22	31	36	40	50	49	53	53	52	52	52	52	49	48	47	49	41.3	17.6%	-1.0%
<b>Beef Supply-Disposition (kt)</b>																			
Production	1457	1430	1294	1242	1258	1246	1228	1225	1245	1295	1304	1325	1337	1343	1339	1329	1294.0	2.7%	0.9%
High Quality Beef	722	689	599	574	583	598	602	604	612	639	643	655	662	665	662	656	608.7	7.8%	1.0%
Low Quality Beef	682	701	659	641	651	619	597	593	605	628	632	642	647	650	649	645	654.4	-1.5%	0.9%
Uninspected	53	39	36	27	24	29	29	28	28	29	28	28	29	29	28	28	30.9	-8.8%	-0.3%
Imports	111	125	146	200	189	219	219	217	221	225	228	228	221	207	202	208	175.9	18.2%	-0.6%
Disappearance	983	976	974	1008	981	1005	1006	1011	1010	1011	1014	1020	1028	1036	1042	1041	988.9	5.3%	0.4%
Exports	590	581	457	438	478	460	450	440	464	519	528	545	540	525	510	506	482.7	4.8%	1.3%
Ending Stocks	40	39	48	44	32	41	41	41	41	41	41	41	41	41	41	41	40.7	1.2%	0.0%
Wholesale Beef Price (\$/cwt)	199	198	192	204	205	219	216	217	217	222	222	223	220	214	215	222	203.6	9.0%	0.3%
Retail Beef Price (\$/kg)	8.44	8.59	8.60	8.84	9.02	9.56	9.71	9.79	9.96	10.16	10.30	10.40	10.39	10.34	10.44	10.69	8.9	19.8%	1.1%

Historical Data Sources: Statistics Canada - CANSIM; Statistics Canada - Livestock Statistics, Catalogue 23-603; Agriculture and Agri-Food Canada - Livestock and Meat Trade Report, Internal calculations

Note: 1. Inspected and uninspected

2. Inspected

3. West and East Net Exports include inter-regional trade.



# TABLE 11: Canadian hogs and pork

## Table 11: Canadian hogs and pork

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Hog Inventories (December 31) (thous head)</b>																			
Total	14810	15110	14907	13810	12180	11747	11391	11339	11393	11460	11422	11276	11435	11438	11364	11463	13550.7	-15.4%	0.1%
<b>Hog Supply-Disposition (thous head)</b>																			
Marketings	25740	25093	24537	24556	23948	22993	22323	22166	22216	22425	22554	21962	22556	22824	22312	22613	24225.3	-6.7%	0.1%
Slaughter	22857	22305	21774	21254	21628	21771	21321	20887	20724	20606	20898	21013	20928	20866	20905	20888	21746.2	-3.9%	-0.2%
Exports (Slaughter Hogs)	2883	2789	2763	3302	2320	1222	1002	1279	1492	1819	1655	949	1627	1958	1407	1725	2479.0	-30.4%	6.2%
Exports (Weanling Hogs)	5622	5415	6014	6716	7020	5335	4154	4044	4270	4406	4081	3930	4144	3891	4024	4234	6099.9	-30.6%	0.2%
<b>Western Canada Hog Supply-Disposition (thous head)</b>																			
Marketings	10903	10960	10820	10606	9638	9353	9258	9425	9542	9634	9709	9362	9672	9824	9431	9647	10275.4	-6.1%	0.5%
Slaughter	9082	9079	8985	8277	8156	8485	8467	8421	8410	8332	8478	8570	8522	8478	8507	8532	8596.3	-0.8%	0.1%
Exports (Slaughter Hogs)	1758	1829	1798	2288	1448	831	753	965	1094	1263	1192	753	1111	1306	885	1076	1638.9	-34.4%	4.0%
Exports (Weanling Hogs)	3587	4129	4670	5469	5854	4437	3449	3338	3479	3542	3276	3174	3288	3113	3269	3469	4912.0	-29.4%	0.1%
<b>Eastern Canada Hog Supply-Disposition (thous head)</b>																			
Marketings	14837	14133	13716	13950	14310	13639	13065	12741	12674	12791	12844	12600	12883	13001	12881	12966	13949.8	-7.1%	-0.1%
Slaughter	13775	13226	12789	12977	13472	13286	12854	12466	12314	12274	12420	12443	12406	12388	12399	12357	13150.0	-6.0%	-0.4%
Exports (Slaughter Hogs)	1125	959	965	1014	872	391	249	313	398	556	463	197	517	652	522	649	840.1	-22.7%	11.2%
Exports (Weanling Hogs)	2035	1286	1344	1246	1166	897	706	705	791	863	805	756	856	778	755	765	1187.9	-35.6%	0.9%
Hog Price, Index 100 Ontario (\$/ckg)	161	150	131	126	125	115	133	151	161	148	137	168	164	135	141	147	129.4	13.7%	1.1%
<b>Pork Supply-Disposition (kt)</b>																			
Production	1932	1918	1901	1895	1927	1953	1912	1876	1864	1858	1889	1904	1901	1900	1909	1912	1918.8	-0.3%	0.0%
Imports	101	135	142	168	193	174	215	217	218	230	251	246	244	265	283	295	162.4	81.4%	3.6%
Disappearance	848	742	765	814	771	820	816	819	833	843	850	846	847	856	856	865	782.6	10.6%	0.7%
Waste & Manufacturing	199	198	196	195	199	201	197	193	192	191	195	196	196	196	197	197	197.6	-0.3%	0.0%
Exports	983	1103	1094	1045	1148	1103	1121	1084	1058	1051	1093	1111	1101	1109	1141	1146	1098.5	4.3%	0.2%
Ending Stocks	50	60	49	57	60	63	56	52	52	54	56	53	53	57	56	55	57.5	-3.6%	-0.1%
Wholesale Pork Price (\$/kg)	3.03	2.72	2.48	2.41	2.39	2.35	2.71	3.02	3.13	2.95	2.84	3.25	3.23	2.93	3.05	3.15	2.5	27.3%	1.7%
Retail Pork Price (\$/kg)	7.47	7.56	7.26	7.32	7.29	7.52	7.96	8.06	8.09	8.13	8.23	8.44	8.50	8.40	8.55	8.64	7.4	17.0%	0.9%

Historical Data Sources: Statistics Canada - CANSIM; Statistics Canada - Livestock Statistics, Catalogue 23-603; Agriculture and Agri-Food Canada - Livestock and Meat Trade Report, Internal calculations

# TABLE 12: Canadian poultry and eggs

## Table 12: Canadian poultry and eggs

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Chicken Supply-Disposition (kt)</b>																			
Production	946	977	972	1,004	1,016	1,010	1,029	1,049	1,063	1,079	1,092	1,107	1,123	1,138	1,152	1,166	995.9	17.1%	1.4%
Imports	130	133	151	169	172	174	176	177	179	180	181	182	183	184	185	186	159.9	16.6%	0.7%
Disappearance	995	1,013	1,034	1,043	1,055	1,063	1,085	1,102	1,116	1,130	1,143	1,157	1,172	1,186	1,200	1,212	1,041.5	16.4%	1.2%
Exports	72	92	99	122	133	121	122	124	126	128	129	131	133	135	137	139	113.3	23.1%	1.5%
Ending Stocks	33	38	28	37	37	38	35	36	36	37	38	38	39	40	40	41	35.7	14.0%	1.7%
Live Chicken Price, Ontario Broiler (c/kg)	122	119	114	128	144	148	150	152	154	155	156	157	159	160	162	164	130.7	25.4%	1.0%
Wholesale Chicken Price, Central Canada (c/kg)	289	273	277	305	310	336	343	347	348	353	356	360	364	369	373	377	300.2	25.7%	1.1%
Retail Chicken Price, Ontario (c/kg)	504	521	516	555	581	612	630	629	648	649	665	671	679	685	691	698	556.9	25.4%	1.1%
<b>Turkey Supply-Disposition (kt)</b>																			
Production	145	155	163	169	180	164	166	168	172	173	176	178	180	181	183	185	166.3	11.3%	1.2%
Imports	10	15	9	8	9	7	9	9	9	9	9	9	9	9	9	9	9.6	-4.9%	0.9%
Disappearance	133	145	145	148	157	152	155	154	157	159	162	164	166	167	169	170	149.5	14.1%	1.0%
Exports	27	25	27	26	25	22	23	23	23	23	23	23	23	23	23	24	25.1	-6.0%	0.5%
Ending Stocks	12	12	13	15	22	19	16	16	17	17	17	18	18	18	18	18	16.4	12.3%	1.9%
Live Turkey Price, Ontario Broiler (c/kg)	158	149	147	162	184	185	190	193	195	198	200	203	205	208	211	214	165.6	29.2%	1.3%
Wholesale Turkey Price, Ontario (c/kg)	336	328	364	364	371	383	385	391	394	399	403	408	412	416	422	426	361.9	17.8%	1.1%
Retail Turkey Price, Ontario (c/kg)	424	438	438	441	452	464	467	479	479	482	486	492	497	503	510	516	446.7	15.5%	1.1%
<b>Shell Egg Supply-Disposition ('000 boxes of 15 dozen)<sup>1</sup></b>																			
Production	24699	25838	26153	26847	27524	27585	27521	27301	27431	27425	27626	27702	27849	28028	28223	28564	26789.5	6.6%	0.4%
Imports	663	588	590	607	640	736	689	691	691	695	697	701	703	707	711	715	632.4	13.1%	0.4%
Disappearance	24670	25689	26004	26717	27412	27566	27450	27228	27355	27348	27548	27624	27770	27948	28144	28484	26677.6	6.8%	0.4%
Hatching and Leakers & Undergrades	4634	4756	4691	4763	4804	4799	4869	4945	4999	5054	5108	5165	5223	5281	5338	5394	4762.6	13.3%	1.1%
Egg Producer Price, Ontario A Large (c/doz.)	153	142	146	158	164	160	163	170	177	180	183	186	188	190	192	195	153.8	26.5%	2.0%
Wholesale Egg Price, Ontario (c/doz.)	177	179	182	195	203	198	202	210	218	222	226	229	231	234	238	240	191.4	25.7%	2.0%
Retail Egg Price, Ontario (c/doz.)	229	234	253	265	274	278	286	295	304	313	322	331	336	343	350	357	260.6	37.0%	2.5%
<b>Processed Egg Supply-Disposition ('000 boxes of 15 dozen)</b>																			
Production	9715	10631	10948	10590	10630	10352	10484	10649	10929	11103	11332	11523	11738	11970	12186	12399	10630.1	16.6%	1.9%
Imports	1411	953	1186	1139	1450	1695	1350	1353	1353	1361	1365	1373	1378	1385	1393	1401	1284.6	9.0%	0.4%
Disappearance	6919	8472	9386	7902	8772	8534	8544	8609	8771	8868	8981	9080	9195	9325	9443	9557	8613.2	11.0%	1.3%
Exports	4113	4030	3376	4175	3343	3416	3514	3621	3728	3835	3942	4049	4156	4263	4370	4478	3668.0	22.1%	2.7%
Ending Stocks	815	722	739	588	552	658	679	697	726	735	755	771	785	803	821	839	651.9	28.7%	2.4%
<b>Producer Price of Breaker Eggs</b>																			
Ontario (c/doz.)	67.9	38.6	38.1	70.6	90.3	53.7	60.7	62.4	62.0	63.1	63.9	65.0	65.8	66.2	67.0	67.9	58.3	16.6%	1.2%
USA (US cents/doz.)	48.4	29.0	31.0	69.0	85.0	44.0	46.5	48.6	48.6	50.0	50.8	51.9	52.8	53.3	54.1	55.1	51.6	6.8%	1.9%
Breaker Egg Levy (c/doz.)	23.0	24.5	25.8	28.4	24.1	26.9	26.7	28.4	30.5	31.1	31.9	32.6	33.1	33.7	34.3	34.9	25.9	34.4%	3.0%

Historical Data Sources: Marketing Boards; Agriculture and Agri-Food Canada - Poultry Market Review

Notes: 1. Table eggs do not balance due to statistical error.

**TABLE 13: Canadian dairy sector (dairy year)**

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	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Total Milk Production (Mhl)</b>	81.5	80.6	80.8	83.5	83.0	84.3	84.1	85.6	86.0	86.6	87.4	87.9	89.1	90.1	91.1	91.6	82.4	11.1%	0.9%
P10 Milk Price (\$/hl)	64.5	67.2	69.1	71.3	73.4	75.1	77.5	78.1	79.4	80.0	81.1	81.9	82.4	83.1	83.7	84.7	71.2	18.9%	1.0%
<b>Fluid Sector Supply-Disposition (Mhl)</b>																			
Production	31.7	32.1	32.4	33.1	33.1	33.1	33.5	33.9	34.3	34.7	35.1	35.6	36.0	36.4	36.9	37.4	32.8	14.2%	1.2%
Standard Milk Sales	4.1	4.0	4.0	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.9	-5.6%	-0.1%
Low-Fat Milk Sales <sup>1</sup>	22.9	23.2	23.2	23.6	23.6	23.8	24.0	24.3	24.5	24.7	25.0	25.3	25.5	25.8	26.0	26.3	23.5	12.1%	1.0%
Cream Sales <sup>2</sup>	10.9	11.5	11.9	12.0	11.7	12.0	12.2	12.5	12.7	12.9	13.2	13.5	13.7	14.0	14.3	14.6	11.8	23.7%	2.0%
Skim-off cream to industrial sector	7.9	7.9	7.7	7.8	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.8	-2.6%	-0.4%
Fluid Price - P10 (\$/hl)	73.3	76.6	78.9	83.1	88.1	91.1	92.6	93.4	94.9	95.7	96.6	97.6	98.5	99.4	100.3	101.3	83.5	21.3%	1.0%
<b>Industrial Milk Supply (Mhl)</b>	49.8	48.5	48.4	50.4	49.9	51.2	50.6	51.6	51.7	51.9	52.3	52.3	53.1	53.7	54.2	54.2	49.7	9.0%	0.8%
Market Share Quota (Butterfat Basis)	49.7	48.3	48.5	50.7	50.7	51.5	51.0	52.0	52.1	52.3	52.7	52.7	53.5	54.0	54.5	54.5	49.9	9.2%	0.7%
Gross Target Return (\$/hl)	66.1	70.8	71.4	72.1	74.2	74.8	76.1	77.9	79.1	80.2	81.2	81.9	82.4	83.1	83.7	84.4	72.6	16.2%	1.2%
Assumed Processing Margin (\$/hl)	9.3	9.0	11.0	11.1	11.4	11.2	11.4	11.7	11.9	12.0	12.2	12.3	12.4	12.5	12.6	12.7	10.7	18.0%	1.2%
<b>Butter Supply-Disposition (kt)</b>																			
Production	83.5	79.3	73.5	85.5	84.1	85.5	89.7	83.0	80.9	79.9	80.9	80.8	84.3	86.6	89.2	89.6	81.6	9.8%	0.0%
Imports	14.2	11.3	8.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	-19.8%	0.0%
Disappearance*	83.9	78.3	84.0	84.9	86.5	85.7	83.3	87.6	86.6	85.7	86.2	86.7	87.0	87.4	87.9	88.5	83.9	5.5%	0.7%
Exports	0.4	2.4	1.9	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	-47.3%	0.0%
Ending Stocks	22.3	23.8	14.6	18.3	18.4	20.0	28.3	25.4	21.5	17.4	14.0	10.0	9.1	10.1	13.2	16.1	19.0	-15.3%	-6.1%
Wholesale Butter Support Price (\$/kg)	6.58	6.87	6.87	6.90	7.05	7.05	7.15	7.26	7.37	7.48	7.59	7.70	7.82	7.94	8.06	8.18	6.95	17.7%	1.5%
<b>Skim Milk Powder Supply-Disposition (kt)</b>																			
Production	82.5	81.1	81.4	81.4	81.4	83.9	73.8	82.1	84.8	85.3	86.6	85.4	89.1	92.3	93.8	90.6	81.8	10.8%	2.3%
Disappearance*	72.2	56.5	64.6	31.0	55.3	50.0	34.8	42.9	45.7	46.3	47.8	46.7	50.6	53.9	55.5	52.5	51.5	1.9%	4.7%
- through class 4M	32.8	33.8	25.5	14.8	35.2	29.1	14.6	22.1	24.6	24.6	25.5	23.8	26.8	29.4	30.3	26.4	27.7	-4.6%	6.8%
Exports	11.1	10.4	10.5	16.3	16.0	8.1	7.8	7.9	7.9	7.8	7.6	7.5	7.4	7.2	7.1	7.0	12.3	-43.2%	-1.2%
Ending Stocks	20.0	25.1	18.4	36.0	37.4	30.0	28.0	26.0	24.0	22.0	20.0	18.0	16.0	14.0	12.0	10.0	29.4	-66.0%	-10.8%
Wholesale Skim Milk Powder Support Price (\$/kg)	5.56	5.78	5.88	5.95	6.11	6.25	6.49	6.55	6.69	6.80	6.91	7.02	7.10	7.19	7.29	7.39	6.00	23.3%	1.5%

Historical Data Sources: Statistics Canada - CANSIM; Canadian Dairy Commission; Agriculture and Agri-Food Canada - Dairy Market Review, Internal calculations

Notes: 1. Low fat milk includes 2%, 1%, skim milk, buttermilk and chocolate milk.

2. Cream includes table cream, whipping cream, sour cream, and cereal cream.

\* Excluding imports for reexport program (IREP).

TABLE 13: Canadian dairy sector (dairy year)

(Cont'd)

Table 13: Canadian dairy sector (dairy year) (Continued)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Cheddar Cheese Supply-Disposition (kt)</b>																			
Production	130.6	136.5	135.0	128.1	131.9	125.3	130.6	132.8	133.7	135.1	136.8	138.4	140.3	142.0	144.0	145.9	131.3	11.1%	1.2%
Imports	1.6	1.3	0.9	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	9.2%	0.0%
Disappearance*	120.1	124.8	126.5	118.9	127.6	125.8	126.3	128.1	129.1	130.5	132.1	133.8	135.6	137.3	139.3	141.2	124.7	13.2%	1.2%
Exports	4.5	4.7	5.0	5.5	4.7	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	3.0%	-0.3%
Ending Stocks	44.2	48.6	49.0	50.0	47.4	42.6	42.8	43.4	43.7	44.2	44.7	45.3	45.9	46.5	47.2	47.8	47.5	0.6%	1.2%
Wholesale Price (\$/kg)	8.24	8.50	8.62	8.74	8.96	9.39	9.64	9.76	9.94	10.10	10.26	10.41	10.54	10.68	10.83	10.98	8.8	24.1%	1.4%
<b>Specialty Cheese Supply-Disposition (kt)</b>																			
Production	219.2	219.2	230.3	243.2	230.6	235.8	235.8	241.1	241.8	244.6	247.9	250.7	254.2	256.9	261.1	264.6	231.8	14.2%	1.3%
Imports	18.7	21.8	21.6	19.5	17.4	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.9	-3.6%	0.0%
Disappearance*	231.1	235.3	246.2	254.9	243.8	249.2	251.4	255.7	257.5	260.2	263.6	266.4	269.9	272.7	276.9	280.1	245.9	13.9%	1.2%
Exports	5.5	5.6	5.2	5.4	4.9	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	4.9	-29.6%	-0.3%
Ending Stocks	16.8	17.0	17.5	19.9	19.8	22.0	22.0	23.0	23.0	22.9	22.9	22.9	22.9	22.8	22.8	23.0	19.2	19.6%	0.5%
<b>Ice Cream Supply-Disposition (kt)</b>																			
Production	214.8	221.5	207.1	194.7	164.6	183.4	180.4	176.8	174.1	172.6	171.5	169.7	167.9	167.0	165.9	164.6	194.2	-15.3%	-1.0%
Imports	0.4	0.5	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	17.2%	2.5%
Disappearance	208.4	209.4	195.6	182.6	152.1	171.2	168.3	164.7	162.0	160.5	159.4	157.6	155.9	154.9	153.9	152.6	182.2	-16.3%	-1.1%
Exports	6.8	12.6	11.8	12.5	12.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.3	1.4%	0.0%
Wholesale Ice Cream Price , (\$/kg)	2.89	2.98	2.99	3.09	3.18	3.47	3.52	3.58	3.61	3.60	3.60	3.63	3.66	3.66	3.68	3.70	3.14	17.8%	0.6%
<b>Yogurt Supply-Disposition (kt)</b>																			
Production	228.3	240.3	244.3	264.3	278.5	279.7	294.8	304.8	314.7	323.7	330.3	340.9	352.5	364.2	376.1	387.9	261.4	48.4%	3.1%
Imports	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5%	0.0%
Disappearance	228.2	240.0	243.8	263.5	277.2	278.7	293.8	303.8	313.7	322.7	329.3	339.9	351.6	363.2	375.1	387.0	260.7	48.5%	3.1%
Exports	0.6	0.8	1.0	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	27.7%	0.0%

Historical Data Sources: Statistics Canada - CANSIM; Canadian Dairy Commission; Agriculture and Agri-Food Canada - Dairy Market Review, Internal calculations

\* Excluding imports for reexport program (IREP).

**TABLE 14: Canadian food prices (base year = 2002)**

**Table 14: Canadian food prices (base year = 2002)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Retail Price Indexes and % change</b>																			
Total Food	103.81	106.39	108.93	111.81	115.73	121.39	123.57	125.03	127.39	129.30	131.31	133.19	134.61	135.82	137.46	139.24	112.9	23.4%	1.3%
	2.0%	2.5%	2.4%	2.6%	3.5%	4.9%	1.8%	1.2%	1.9%	1.5%	1.6%	1.4%	1.1%	0.9%	1.2%	1.3%			
Food from Restaurants	105.15	108.20	111.07	114.11	116.99	121.15	123.56	125.69	128.69	131.31	133.84	136.16	138.05	139.81	141.82	143.92	114.3	25.9%	1.7%
	2.6%	2.9%	2.6%	2.7%	2.5%	3.6%	2.0%	1.7%	2.4%	2.0%	1.9%	1.7%	1.4%	1.3%	1.4%	1.5%			
Food from Stores	103.24	105.61	108.01	110.85	115.21	121.46	123.55	124.75	126.86	128.50	130.31	132.02	133.25	134.25	135.74	137.40	112.2	22.4%	1.2%
	1.8%	2.3%	2.3%	2.6%	3.9%	5.4%	1.7%	1.0%	1.7%	1.3%	1.4%	1.3%	0.9%	0.7%	1.1%	1.2%			
Meat	106.18	108.24	107.93	111.14	113.37	118.44	121.16	121.21	122.31	122.71	123.82	124.64	124.45	123.37	124.03	125.10	111.8	11.9%	0.4%
	4.3%	1.9%	-0.3%	3.0%	2.0%	4.5%	2.3%	0.0%	0.9%	0.3%	0.9%	0.7%	-0.1%	-0.9%	0.5%	0.9%			
Dairy Products	105.46	111.05	115.72	119.91	124.57	129.14	130.91	132.39	134.60	136.40	138.00	139.46	140.61	141.73	142.91	144.14	120.1	20.0%	1.1%
	2.5%	5.3%	4.2%	3.6%	3.9%	3.7%	1.4%	1.1%	1.7%	1.3%	1.2%	1.1%	0.8%	0.8%	0.8%	0.9%			
Bakery Products	106.96	109.78	113.59	118.14	132.43	137.88	140.09	144.54	148.07	150.54	153.02	155.33	157.30	159.33	161.32	163.36	122.4	33.5%	1.7%
	2.6%	2.6%	3.5%	4.0%	12.1%	4.1%	1.6%	3.2%	2.4%	1.7%	1.6%	1.5%	1.3%	1.3%	1.2%	1.3%			
Fruit	97.90	96.23	98.35	99.55	101.18	107.63	110.02	113.38	116.71	119.64	122.51	125.12	127.47	129.77	132.05	134.44	100.6	33.7%	2.3%
	1.5%	-1.7%	2.2%	1.2%	1.6%	6.4%	2.2%	3.0%	2.9%	2.5%	2.4%	2.1%	1.9%	1.8%	1.8%	1.8%			
Vegetables	88.92	89.88	95.33	95.15	96.54	105.80	107.25	108.75	110.01	111.10	112.33	113.47	114.53	115.57	116.58	117.59	96.5	21.8%	1.0%
	-3.5%	1.1%	6.1%	-0.2%	1.5%	9.6%	1.4%	1.4%	1.2%	1.0%	1.1%	1.0%	0.9%	0.9%	0.9%	0.9%			
Sugar & Sugar Preparations	97.36	96.89	99.90	99.98	102.73	113.43	113.28	109.35	110.03	111.69	112.94	114.95	116.92	119.11	120.96	123.00	102.6	19.9%	0.9%
	-2.6%	-0.5%	3.1%	0.1%	2.8%	10.4%	-0.1%	-3.5%	0.6%	1.5%	1.1%	1.8%	1.7%	1.9%	1.6%	1.7%			
Fats & Oils	106.85	108.56	110.30	114.15	129.69	140.65	145.60	148.86	152.50	154.17	155.91	157.75	159.65	161.47	163.35	165.38	120.7	37.0%	1.4%
	3.0%	1.6%	1.6%	3.5%	13.6%	8.4%	3.5%	2.2%	2.4%	1.1%	1.1%	1.2%	1.2%	1.1%	1.2%	1.2%			

Historical Data Sources: Statistics Canada - CANSIM.



*TABLE 15: Canadian per capita consumption*

**Table 15: Canadian per capita consumption**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Meat (kg)</b>	92.3	88.8	89.2	91.2	88.7	89.9	89.8	89.5	89.4	89.2	88.9	88.4	88.2	88.1	87.7	87.3	89.6	-2.5%	-0.3%
Beef	30.7	30.2	29.8	30.5	29.3	29.7	29.5	29.3	29.0	28.7	28.4	28.3	28.2	28.1	28.0	27.6	29.9	-7.6%	-0.7%
Pork	26.5	22.9	23.4	24.6	23.1	24.3	23.9	23.7	23.9	23.9	23.8	23.5	23.2	23.2	23.0	23.0	23.7	-2.9%	-0.5%
Chicken	31.0	31.2	31.6	31.6	31.6	31.4	31.8	32.0	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.2	31.5	2.3%	0.1%
Turkey	4.1	4.5	4.4	4.5	4.7	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.2%	-0.1%
Eggs (doz)	11.5	11.9	11.9	12.1	12.3	12.2	12.1	11.8	11.8	11.6	11.6	11.5	11.4	11.4	11.3	11.3	12.1	-6.2%	-0.7%
Whole Milk (l)	12.7	12.5	12.2	11.6	11.1	10.9	10.7	10.6	10.4	10.3	10.1	10.0	9.9	9.8	9.7	9.7	11.7	-17.2%	-1.2%
Low-fat Milk (l)	71.4	71.7	71.1	71.3	70.5	70.3	70.3	70.4	70.2	70.2	70.3	70.1	70.0	69.9	69.8	69.8	71.0	-1.6%	-0.1%
Cream (l)	34.0	35.5	36.4	36.2	35.0	35.4	35.8	36.2	36.4	36.7	37.0	37.3	37.7	38.0	38.4	38.8	35.7	8.6%	0.9%
Butter (kg)	2.6	2.4	2.6	2.6	2.6	2.5	2.4	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.5	-7.4%	-0.4%
Cheese (kg)	11.0	11.1	11.4	11.3	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	-0.2%	0.1%
Ice Cream (kg)	6.5	6.5	6.0	5.5	4.5	5.1	4.9	4.8	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.1	5.5	-26.6%	-2.2%
Yogurt (kg)	7.1	7.4	7.5	8.0	8.3	8.2	8.6	8.8	9.0	9.2	9.2	9.4	9.6	9.9	10.1	10.3	7.9	30.4%	2.0%

Historical Data Sources: Statistics Canada - CANSIM; Agriculture and Agri-Food Canada - Internal calculations



# TABLE 16: Manufacturing shipments

## Table 16 : Manufacturing shipments

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Food and beverage (m\$)</b>	73184	73109	76871	78785	83093	86995	88328	90866	93189	95262	97228	99736	101667	103298	105413	107687	79770.6	35.0%	2.2%
<b>Food</b>	63475	63107	67722	69321	73868	77784	79012	81362	83506	85388	87163	89482	91218	92654	94572	96648	70360.5	37.4%	2.3%
Bakery product	6745	6967	7753	8178	8593	9251	9034	9361	9524	9683	9824	9960	10054	10150	10231	10306	8148.4	26.5%	1.5%
Flour milling	1353	1260	1443	1636	2286	2001	1998	1981	2033	2098	2140	2183	2217	2246	2288	2344	1725.0	35.9%	1.8%
Animal feed	5463	5073	5324	5515	5775	5543	5580	5783	5931	6056	6161	6259	6352	6430	6502	6609	5446.0	21.4%	1.9%
Oilseed processing	3737	3014	2985	3373	4772	4183	4417	4753	4952	5099	5178	5328	5549	5745	5922	6158	3665.3	68.0%	3.8%
Red meat	15124	14860	15850	15955	16286	18354	19056	19677	20227	20594	20960	21828	22155	22184	22708	23277	16260.9	43.2%	2.2%
Dairy product	10898	11365	12579	12198	13154	13517	14083	14453	14814	15166	15519	15890	16276	16690	17102	17515	12562.5	39.4%	2.5%
Poultry meat	5017	4953	4957	5148	5074	5733	5930	6126	6245	6416	6569	6743	6915	7086	7262	7440	5173.0	43.8%	2.6%
All other food	15133	15525	16822	17319	17929	19203	18916	19229	19780	20275	20811	21291	21702	22124	22557	22999	17359.3	32.5%	2.2%
<b>Beverage</b>	9709	10002	9149	9464	9224	9211	9316	9504	9684	9874	10065	10254	10449	10644	10841	11039	9410.1	17.3%	1.9%
Breweries	4377	4603	4397	4245	4539	4558	4548	4620	4684	4758	4834	4906	4986	5066	5147	5228	4468.4	17.0%	1.6%
All other beverage	5332	5399	4752	5219	4685	4653	4768	4884	5000	5116	5232	5347	5463	5579	5695	5810	4941.7	17.6%	2.2%

Historical Data Sources: Statistics Canada-CANSIM; Agriculture and Agri-Food Canada, Internal calculations.

# TABLE 17: Agri-food trade

## Table 17: Agri-food trade

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Exports (m\$)</b>																			
Grains	4069	3311	4269	5688	8498	6992	5707	6212	6705	6664	6605	6858	6880	6743	6781	6974	5751.8	21.3%	2.3%
Grain Products	2351	2378	2465	2641	3041	3140	3272	3419	3448	3503	3545	3570	3577	3579	3569	3550	2733.0	29.9%	0.9%
Animal Feeds	734	693	703	793	804	769	757	813	857	862	867	890	906	916	931	952	752.4	26.6%	2.6%
Dried Pulses	813	959	989	1361	1917	2138	1957	1715	1814	1862	1822	1789	1794	1792	1785	1788	1472.8	21.4%	-1.0%
Oilseeds	2107	2019	2530	3403	5479	4949	3945	3855	3972	4494	4628	4579	4707	4950	5145	5218	3675.9	42.0%	3.2%
Oilseed Products	1501	1097	1248	1573	2525	2094	2235	2550	2715	2828	2899	3030	3221	3397	3561	3776	1707.4	121.2%	6.0%
Live Animals Excluding Poultry	799	1481	1967	2371	2273	1574	1326	1428	1328	1454	1289	1304	1561	1535	1473	1521	1933.2	-21.3%	1.5%
Red Meats	4625	4721	3895	3669	4118	3895	4297	4473	4617	4668	4725	5234	5135	4771	4936	5105	4059.4	25.7%	1.9%
Other Animal Products	864	964	1035	1054	1209	963	919	930	970	1018	1046	1063	1074	1082	1086	1089	1045.3	4.2%	1.9%
Dairy Products	309	291	296	303	266	245	237	239	247	250	253	253	254	255	256	256	280.5	-8.7%	0.9%
Poultry & Eggs	333	333	326	411	433	438	453	465	472	485	496	508	520	532	545	559	388.3	43.9%	2.4%
Fruit & Nuts	554	594	669	714	743	682	682	705	729	752	781	809	836	864	891	919	680.4	35.0%	3.4%
Vegetables Excluding Potatoes	1146	1105	1134	1090	1140	1133	1138	1182	1227	1273	1325	1378	1429	1481	1532	1583	1120.4	41.3%	3.7%
Potatoes & Products	1099	1012	1043	1125	1195	1283	1287	1333	1381	1429	1485	1541	1597	1652	1707	1762	1131.8	55.6%	3.6%
Seeds For Sowing	207	203	214	290	301	238	237	243	250	257	265	274	282	290	299	307	249.2	23.1%	2.9%
Maple Products	154	165	190	218	234	252	252	260	269	278	288	299	309	319	329	339	211.7	60.3%	3.4%
Vegetable Fibres	18	21	25	24	19	21	20	20	19	19	19	19	19	19	19	19	22.1	-15.2%	-0.6%
Plantation Crops	715	723	709	690	789	749	751	777	804	831	863	895	927	958	990	1021	732.2	39.4%	3.5%
Floriculture & Nursery Products	453	387	359	340	304	299	298	307	316	325	337	348	359	370	381	392	337.7	16.0%	3.1%
Essential Oils	23	25	19	22	42	25	25	26	27	28	29	30	31	32	33	34	26.7	28.7%	3.4%
Alcoholic Beverages	841	711	726	699	678	591	572	574	576	579	585	592	598	604	610	616	681.0	-9.5%	0.8%
Other Beverages Excluding Juices	380	330	276	207	186	165	163	167	172	176	182	187	192	198	203	208	232.6	-10.4%	2.7%
Other Agri-Food	2658	2682	2711	2762	2705	2715	2713	2802	2888	2981	6926	7216	3313	3421	3529	3637	2714.8	34.0%	3.3%
<b>Total Agri-Food Exports</b>	<b>26775</b>	<b>26228</b>	<b>27845</b>	<b>31479</b>	<b>38928</b>	<b>35350</b>	<b>33242</b>	<b>34494</b>	<b>35802</b>	<b>37016</b>	<b>41260</b>	<b>42666</b>	<b>39521</b>	<b>39760</b>	<b>40591</b>	<b>41624</b>	<b>31966.1</b>	<b>30.2%</b>	<b>2.5%</b>
<b>Total Agri-Food Imports</b>	<b>20427</b>	<b>21080</b>	<b>22429</b>	<b>22853</b>	<b>25075</b>	<b>23280</b>	<b>23289</b>	<b>23803</b>	<b>24366</b>	<b>24996</b>	<b>25729</b>	<b>26489</b>	<b>27126</b>	<b>27743</b>	<b>28502</b>	<b>29317</b>	<b>22943.2</b>	<b>27.8%</b>	<b>2.6%</b>
<b>Total Agri-Food Net Exports</b>	<b>6348</b>	<b>5149</b>	<b>5416</b>	<b>8576</b>	<b>13787</b>	<b>12070</b>	<b>9953</b>	<b>10691</b>	<b>11437</b>	<b>12020</b>	<b>15531</b>	<b>16177</b>	<b>12395</b>	<b>12017</b>	<b>12089</b>	<b>12307</b>	<b>8999.7</b>	<b>36.8%</b>	<b>2.4%</b>

Historical Data Sources: Statistics Canada-CANSIM; Agriculture and Agri-Food Canada, Internal calculations.

**TABLE 18: Canadian farm input prices (base year = 1992)**

**Table 18: Canadian farm input prices (base year = 1992)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
<b>Farm Input Price Indexes and % change</b>																			
Building and Fencing (Wt=4.48)	137.7	136.3	137.7	138.7	138.7	143.5	146.8	149.1	151.2	153.5	155.7	158.0	160.3	162.7	165.0	167.5	139.0	20.5%	1.5%
	12.5%	-1.0%	1.0%	0.7%	0.0%	3.5%	2.3%	1.6%	1.4%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%			
Machinery Replacement (Wt=8.16)	162.5	166.6	167.9	171.0	173.6	180.2	180.8	183.0	185.5	188.2	191.8	195.5	199.2	203.0	206.9	210.8	171.9	22.7%	1.7%
	0.6%	2.5%	0.8%	1.8%	1.5%	3.8%	0.3%	1.2%	1.4%	1.4%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%			
Petroleum Products (Wt=5.03)	148.9	175.6	199.3	204.9	241.8	170.1	200.5	211.4	223.3	226.1	229.1	232.0	235.2	238.3	241.5	244.8	198.3	23.4%	2.2%
	-3.7%	17.9%	13.5%	2.8%	18.0%	-29.7%	17.9%	5.5%	5.6%	1.2%	1.3%	1.3%	1.4%	1.3%	1.3%	1.3%			
Machinery Repair (Wt=5.79)	137.1	139.5	140.8	143.4	145.6	151.3	154.4	157.6	161.3	164.8	168.2	171.5	174.4	177.4	180.5	183.5	144.1	27.4%	1.9%
	0.8%	1.8%	0.9%	1.8%	1.5%	4.0%	2.1%	2.0%	2.3%	2.2%	2.1%	2.0%	1.7%	1.7%	1.7%	1.7%			
Seed (Wt=2.85)	139.9	139.4	141.7	149.4	156.9	159.1	160.3	161.6	164.8	168.9	171.9	174.2	176.9	179.5	182.0	184.6	149.3	23.7%	1.6%
	-6.5%	-0.4%	1.6%	5.4%	5.0%	1.4%	0.8%	0.8%	2.0%	2.5%	1.8%	1.4%	1.5%	1.5%	1.4%	1.5%			
Fertilizer (Wt=5.51)	163.8	173.4	183.9	225.6	293.3	226.1	211.9	216.1	225.0	229.0	232.9	235.5	239.0	242.1	245.3	248.5	220.5	12.7%	1.8%
	-1.7%	5.9%	6.1%	22.7%	30.0%	-22.9%	-6.3%	2.0%	4.1%	1.8%	1.7%	1.1%	1.5%	1.3%	1.3%	1.3%			
Pesticides (Wt=2.93)	136.3	142.7	143.0	147.2	150.1	158.5	165.7	166.7	167.9	169.1	170.8	172.5	174.1	175.8	177.5	179.2	148.3	20.9%	0.9%
	2.6%	4.7%	0.2%	2.9%	2.0%	5.5%	4.6%	0.6%	0.7%	0.7%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%			
Twine (Wt=0.62)	120.0	128.2	141.7	147.6	156.5	165.5	169.2	171.6	174.0	176.4	178.9	181.5	184.1	186.8	189.5	192.3	147.9	30.0%	1.4%
	0.2%	6.8%	10.5%	4.2%	6.0%	5.8%	2.2%	1.4%	1.4%	1.4%	1.4%	1.4%	1.5%	1.5%	1.5%	1.5%			
Feeder Cattle (Wt=13.23)	91.5	121.5	125.4	131.9	134.5	113.6	114.5	114.1	112.0	112.4	114.3	113.6	109.5	106.5	105.2	109.4	125.4	-12.7%	-0.5%
	-24.8%	32.8%	3.2%	5.2%	2.0%	-15.6%	0.9%	-0.4%	-1.8%	0.3%	1.7%	-0.6%	-3.6%	-2.8%	-1.2%	4.0%			
Weaners (Wt=1.22)	130.8	118.5	100.1	98.9	100.9	85.3	90.4	98.4	100.5	94.3	89.7	100.5	100.4	89.7	92.3	94.5	100.7	-6.2%	0.5%
	24.8%	-9.4%	-15.5%	-1.2%	2.0%	-15.4%	5.9%	8.9%	2.1%	-6.2%	-4.9%	12.0%	-0.1%	-10.6%	2.8%	2.4%			
Feed (Wt=11.99)	128.3	110.2	112.4	144.7	175.8	169.8	175.5	178.7	181.6	182.7	183.8	185.6	185.6	184.7	184.8	186.0	142.6	30.5%	0.7%
	-2.1%	-14.1%	2.0%	28.7%	21.5%	-3.4%	3.3%	1.8%	1.7%	0.6%	0.6%	1.0%	0.0%	-0.5%	0.1%	0.7%			
Veterinary Service (Wt=1.16)	172.2	176.7	183.2	189.6	195.1	197.0	201.5	206.6	212.1	217.3	222.1	226.8	231.2	235.7	240.2	244.9	188.3	30.0%	2.2%
	3.5%	2.6%	3.7%	3.5%	2.9%	1.0%	2.3%	2.5%	2.6%	2.5%	2.2%	2.1%	1.9%	1.9%	1.9%	1.9%			
Small Tools (Wt=3.27)	100.7	97.9	95.1	93.5	94.4	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.3	0.4%	0.0%
	-2.2%	-2.8%	-2.9%	-1.7%	1.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Historical Data Sources: Statistics Canada - CANSIM; Agriculture and Agri-Food Canada - Internal calculations

Note: 1. Reported weights for the input price indices are those assigned by Statistics Canada to calculate the farm input price index.

**TABLE 18: Canadian farm input prices (base year = 1992)**

(Cont'd)

**Table 18: Canadian farm input prices (base year = 1992) (Continued)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2005-2009	%Chg. 2019: 2005-2009 Average	Average growth rate 2010-2019
Electricity (Wt=1.91)	132.0	136.1	140.9	140.9	142.3	144.2	145.0	148.6	152.1	155.4	158.6	161.7	164.9	168.2	171.5	174.9	140.9	24.1%	2.1%
	4.6%	3.1%	3.5%	0.0%	1.0%	1.3%	0.6%	2.5%	2.4%	2.2%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%			
Custom Work (Wt=1.12)	146.7	150.5	151.0	152.9	156.6	158.5	162.1	164.8	167.8	170.9	174.6	178.3	182.0	185.7	189.6	193.5	153.9	25.7%	2.0%
	-0.5%	2.6%	0.3%	1.3%	2.4%	1.2%	2.3%	1.6%	1.8%	1.8%	2.2%	2.1%	2.1%	2.1%	2.1%	2.1%			
Hired Farm Labour (Wt=9.24)	135.4	137.7	142.7	149.7	158.7	162.0	165.8	169.0	173.7	178.1	181.9	185.3	188.2	191.2	194.1	197.2	150.2	31.3%	1.9%
	5.0%	1.7%	3.6%	4.9%	6.0%	2.1%	2.4%	1.9%	2.8%	2.5%	2.2%	1.9%	1.6%	1.6%	1.6%	1.6%			
Property Taxes (Wt=1.66)	129.5	132.5	129.9	134.7	142.8	145.7	148.9	143.8	140.8	145.9	149.7	152.3	153.8	155.3	157.0	158.6	137.1	15.7%	0.7%
	2.5%	2.3%	-2.0%	3.7%	6.0%	2.0%	2.2%	-3.4%	-2.1%	3.6%	2.6%	1.7%	1.0%	1.0%	1.1%	1.0%			
Land Rent (Wt=3.46)	135.8	129.3	132.1	144.5	167.6	165.9	169.6	162.2	158.6	165.8	171.3	174.9	177.1	179.2	181.5	183.8	147.9	24.3%	0.9%
	3.0%	-4.8%	2.2%	9.4%	16.0%	-1.0%	2.2%	-4.4%	-2.2%	4.6%	3.3%	2.2%	1.2%	1.2%	1.3%	1.3%			
Interest (Wt=9.38)	80.7	81.3	90.1	98.2	94.3	78.3	74.2	88.4	93.0	94.4	94.9	95.1	95.2	95.2	95.3	95.3	88.4	7.8%	2.8%
	-3.8%	0.7%	10.8%	9.0%	-4.0%	-16.9%	-5.2%	19.1%	5.3%	1.5%	0.6%	0.2%	0.1%	0.1%	0.1%	0.1%			
Total (Wt=100)	129.6	134.9	139.3	149.7	163.9	148.8	151.8	155.4	158.6	161.0	163.5	165.7	167.0	168.2	169.9	172.5	147.3	17.1%	1.4%
	-2.4%	4.1%	3.3%	7.5%	9.5%	-9.2%	2.0%	2.4%	2.1%	1.5%	1.5%	1.4%	0.8%	0.7%	1.0%	1.5%			

Historical Data Sources: Statistics Canada - CANSIM; Agriculture and Agri-Food Canada - Internal calculations

Note: 1. Reported weights for the input price indices are those assigned by Statistics Canada to calculate the farm input price index.



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