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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
AGRICULTURAL BRANCH

THE RELATIONSHIP OF EXPORTS, IMPORTS AND
APPARENT CONSUMPTION OF AGRICULTURAL COMMODITIES
TO CANADIAN PRODUCTION
1930 to 1936

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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS - CANADA
AGRICULTURAL BRANCH

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THE RELATIONSHIP OF EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES TO CANADIAN PRODUCTION

Introduction

Frequent requests have been made for information concerning the relationship of exports, imports and apparent consumption of agricultural commodities in Canada to the Canadian production of similar commodities. This bulletin has been prepared to show these relationships for the period 1930 to 1936. Tables showing the disposition of most of the important Canadian farm products are published annually in the September issue of the Monthly Bulletin of Agricultural Statistics.

Throughout this report, the years indicated refer to calendar years in the case of live stock and animal products, crop years (August 1 to July 31 of the following year) in the case of field crops, and fiscal years for exports and imports of fruit. The basic data for this report were secured from the Monthly Bulletin of Agricultural Statistics, annual reports on Live Stock and Animal Products Statistics, and trade reports from the External Trade Branch of the Dominion Bureau of Statistics.

To determine the percentage relationships of the various classes of commodities, the prices used each year in calculating the farm value of agricultural production were applied to the disposition data, thus facilitating a direct comparison between production, exports, imports and apparent consumption.

Products exported and imported in a manufactured or partly manufactured state were converted to the raw or original form. For example, wheat flour was expressed as bushels of wheat, rolled oats as bushels of oats, live animals in pounds of dressed meat, and pounds of condensed milk products as pounds of whole milk.

Wherever available, changes in the stocks of commodities each year were taken into account in the estimates of apparent consumption. They were not, however, taken account of in the calculation of the relationship of exports and imports to production.

The commodities covered by this study account for over 90 per cent of the estimated value of agricultural production in Canada. Certain products were omitted because of the lack of adequate information concerning disposition.

	Total Agricultural Production Thousand Dollars	Production of Commodities Included Thousand Dollars	Proportion of Total Agricultural Produc- tion Included Per Cent
1930	1,235,319	1,142,682	92.5
1931	839,881	768,063	91.4
1932	766,794	710,921	92.7
1933	802,946	745,306	92.8
1934	942,565	863,756	91.6
1935	949,540	870,390	91.7
1936	1,061,624	981,209	92.4

Total Value of Agricultural Exports and Imports at Farm Prices

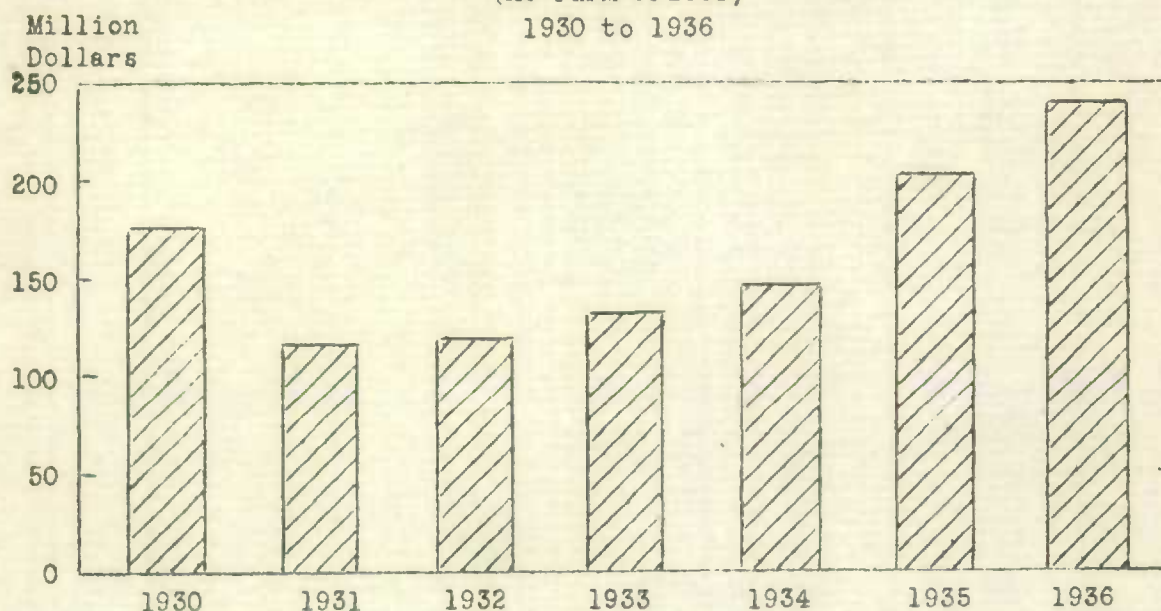
Valued at farm prices, the exports of agricultural commodities included in this study totalled \$239,813,000 in 1936. This was the highest value in the period 1930 to 1936, and represented a sharp increase over 1935.

On the other hand, imports of agricultural commodities valued at farm prices in 1936 were about two-thirds of the value for 1930. Imports dropped sharply after 1930, and have remained relatively small since that year.

EXPORTS OF AGRICULTURAL COMMODITIES

(At Farm Prices)

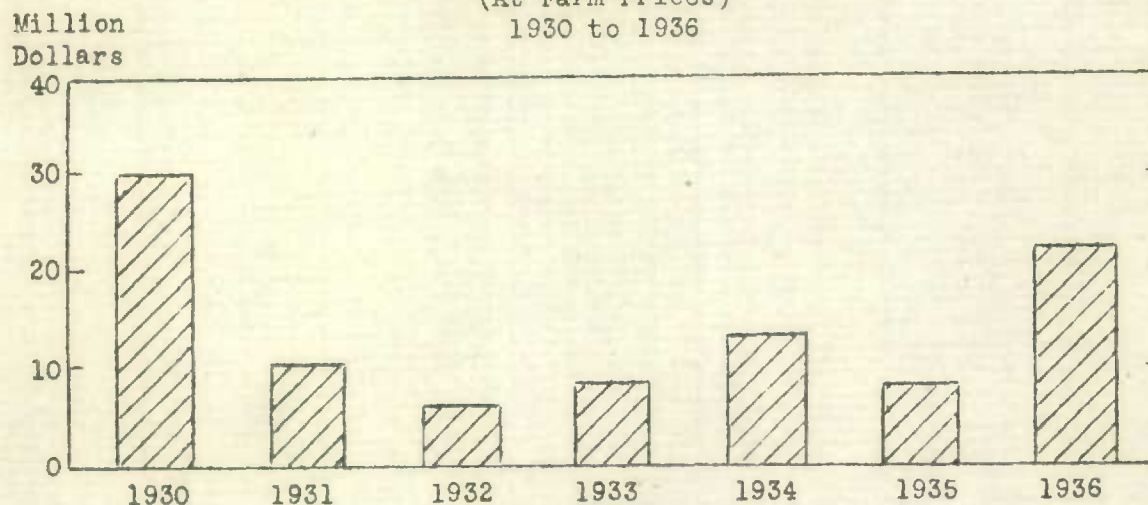
1930 to 1936



IMPORTS OF AGRICULTURAL COMMODITIES

(At Farm Prices)

1930 to 1936



Exports in Relation to Production

During the period from 1930 to 1936, the percentage of Canadian agricultural production exported ranged from 15.4 per cent to 24.4 per cent. The percentage exported increased appreciably in the years 1935 and 1936, when Canada's large stocks of wheat were disposed of and when production was much below average. Increased exports of bacon, beef and live cattle also have contributed to the greater proportion of exports in the last two years.

<u>Exports of Agricultural Commodities as a</u> <u>Percentage of Canadian Production</u> <u>1930 to 1936</u>							
	1930	1931	1932	1933	1934	1935	1936
Field Crops	23.1	22.4	23.0	23.6	22.6	33.6	33.9
Live Stock and Animal Products	5.3	6.0	6.2	7.2	6.7	7.8	9.9
All Commodities	15.7	15.4	17.0	17.6	16.9	23.1	24.4

Imports in Relation to Production

Imports of agricultural commodities have ranged from 0.9 to 2.6 per cent of the Canadian production of similar commodities during the years 1930 to 1936. In 1930, Canada was importing larger quantities of animal products than was the case in later years. A substantial part of the increase in 1936 was due to the importation of corn for feeding purposes, following the drought in the summer of 1936 and the resultant feed scarcity.

<u>Imports of Agricultural Commodities as a</u> <u>Percentage of Canadian Production</u> <u>1930 to 1936</u>							
	1930	1931	1932	1933	1934	1935	1936
Field Crops	1.9	1.9	1.1	1.5	1.8	1.0	2.9
Live Stock and Animal Products	3.5	0.7	0.3	0.7	0.8	0.8	1.2
All Commodities	2.6	1.4	0.9	1.2	1.4	1.0	2.3

Consumption in Relation to Production

The apparent consumption of agricultural commodities produced in Canada has ranged from 79.4 to 85.5 per cent of Canadian production. The percentage of the Canadian production of live stock and animal products consumed is higher than that of field crops. The importance of wheat as an export commodity in the field crop group lowers the total percentage of that classification consumed in Canada.

Consumption of Agricultural Commodities as a
Percentage of Canadian Production
1930 to 1936

	1930	1931	1932	1933	1934	1935	1936
Field Crops	75.0	82.3	70.6	81.2	78.8	78.3	82.4
Live Stock and Animal Products	97.8	94.3	94.6	92.4	92.5	92.8	90.5
All Commodities	84.7	87.4	79.4	85.1	83.8	83.9	85.5

Proportion of Total Exports of Agricultural Commodities Contributed by Various Classifi-
cations of Agricultural Production

Field crops have contributed from 78.4 to 83.4 per cent of the total exports of agricultural commodities valued at farm prices and live stock and animal products have contributed from 13.3 to 17.0 per cent. From 1930 to 1934, exports of dairy products made the largest contribution in the live stock and animal products classification, but since 1934, they have been surpassed by meat animals. The detail is contained in the following table.

	1930 %	1931 %	1932 %	1933 %	1934 %	1935 %	1936 %
Field Crops	81.5	79.0	83.4	78.4	81.3	82.7	82.1
Live Stock and Animal Products	14.4	17.0	13.3	15.9	14.9	13.7	15.9
Meat Animals	3.1	2.2	1.9	4.8	6.8	7.1	8.8
Dairy Products	10.8	14.3	11.0	10.0	7.5	5.9	6.3
Poultry	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Wool	0.3	0.3	0.2	0.9	0.3	0.5	0.6
Other Products ^{3E}	4.1	4.0	3.3	5.7	3.8	3.6	2.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

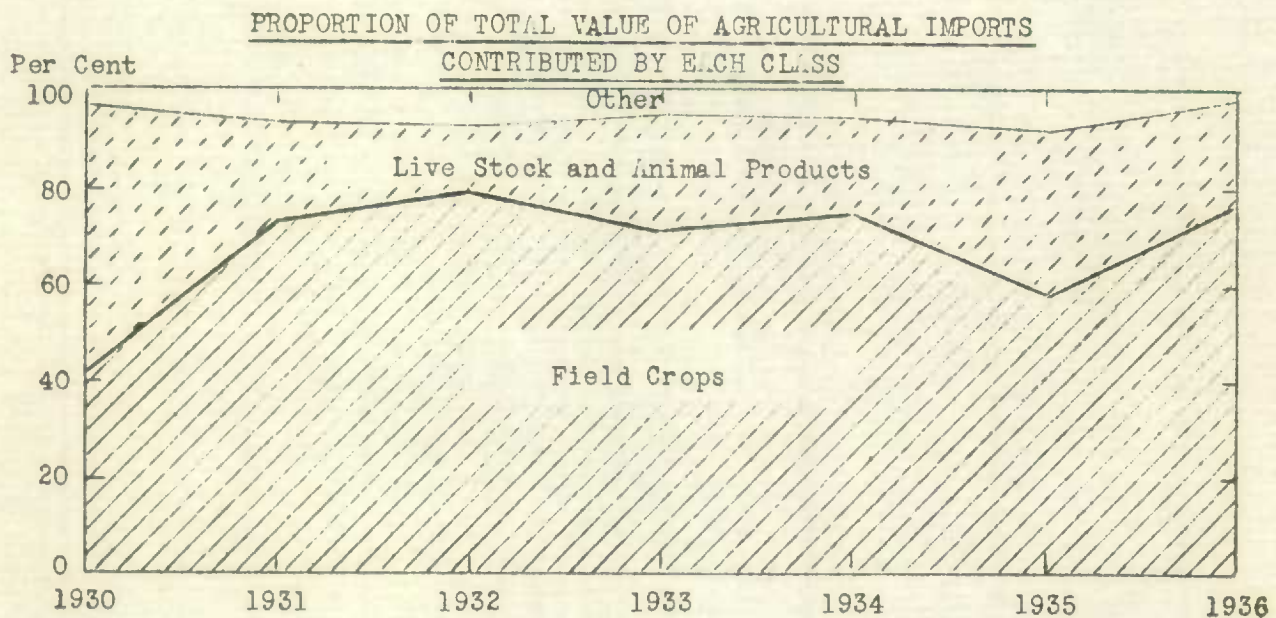
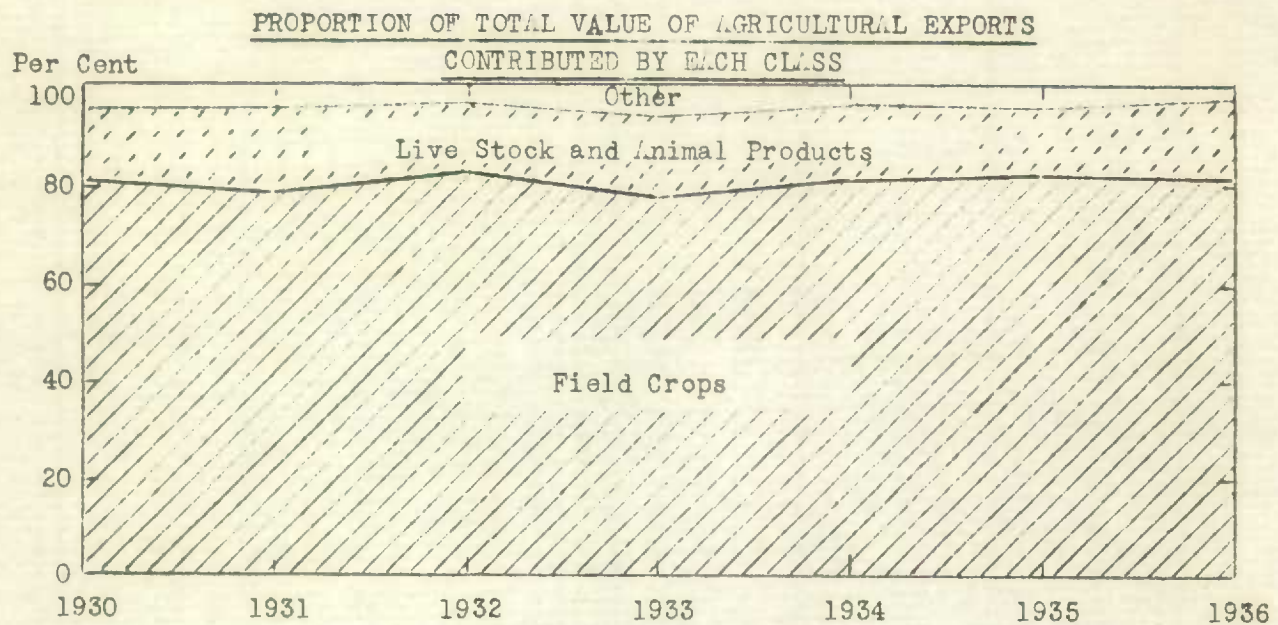
* Apples, strawberries, honey and maple products.

Proportion of Total Value of Agricultural Commodities Imported Contributed by Various
Classifications of Agricultural Production

Considerable variation has occurred over the period 1930 to 1936 in the relative importance of various commodities imported into Canada. In 1930, field crops accounted for 40.1 per cent and live stock and animal products for 56.9 per cent of the total imported. By 1932, live stock and animal products had fallen to 13.6 per cent, while field crops had risen to 79.2 per cent. Relatively small imports of field crops in 1935 resulted in a decline in the percentage of the total contributed by that class. The large importation of feed corn in 1936 increased field crops to 76.4 per cent of the total agricultural imports. The percentages for the years 1930 to 1936 are set forth on the following page.

	1930	1931	1932	1933	1934	1935	1936
	%	%	%	%	%	%	%
Field Crops	40.1	73.8	79.2	71.3	75.6	59.0	76.4
Live Stock and Animal Products	56.9	20.1	13.6	23.6	19.7	32.9	21.5
Meat Animals	11.2	4.2	2.6	3.0	2.3	10.6	4.6
Dairy Products	39.0	8.1	3.4	4.5	5.6	2.1	1.3
Poultry	3.7	0.2	0.2	0.1	0.2	0.1	0.7
Wool	3.0	7.6	7.4	16.0	11.6	20.1	14.9
Other Products*	3.0	6.1	7.2	5.1	4.7	8.1	2.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Apples, strawberries, honey and maple products.



EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION
1930

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	61.5	0.1	33.2
Oats	2.7	0.8	88.2
Barley	14.2	...	80.9
Rye	9.5	...	66.7
Peas	1.1	4.7	103.6
Beans	1.1	6.6	105.5
Buckwheat	6.2	0.1	93.9
Corn	0.3	152.7	252.4
Flax	39.4	0.1	56.8
Hay	0.7	...	99.4
Potatoes	16.5	0.4	83.9
Turnips	4.7	x	95.3
Sugar Beets	10.1	x	89.9
Tobacco	17.8	39.7	121.9
Total Crops	23.1	1.9	75.0
Live Stock and Animal Products			
Meat Animals			
Cattle	4.4	0.6	98.1
Hogs	2.8	2.6	101.0
Sheep	0.5	6.7	108.7
Total Meats	3.3	2.0	100.0
Dairy Products			
Butter	0.4	13.6	110.2
Cheese	66.8	1.5	30.9
Concentrated Milk Products	26.0	0.1	68.3
Milk Otherwise Used	1.5	0.3	98.5
Total Dairy Products	8.7	5.2	94.4
Poultry			
Chickens)	x	102.3
Turkeys)	x	100.9
Ducks)1.2	x	102.1
Geese)	x	99.3
Eggs	0.1	1.8	101.7
Total Poultry	101.7
Wool	20.8	39.9	119.1
Total Live Stock and Animal Products	5.3	3.5	97.8
Other Products			
Apples	51.3	5.0	54.3
Strawberries	3.9	21.9	118.0
Honey	6.1	0.1	94.0
Maple Products	25.2	...	74.8
TOTAL ALL COMMODITIES	15.7	2.6	84.7

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION

1931

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	64.4	0.1	36.1
Oats	5.5	1.0	105.8
Barley	20.1	...	113.0
Rye	170.0	-	99.4
Peas	5.8	2.9	97.0
Beans	3.4	148.9	245.5
Buckwheat	10.3	...	89.7
Corn	0.4	153.4	238.8
Flax	10.2	32.4	102.5
Hay	0.2	...	96.8
Potatoes	6.5	0.2	93.7
Turnips	7.0	x	93.0
Sugar Beets	1.3	x	98.7
Tobacco	20.2	22.6	102.4
Total Crops	22.4	1.9	82.3
Live Stock and Animal Products			
Meat Animals			
Cattle	3.8	0.1	96.6
Hogs	2.1	0.6	97.3
Sheep	0.6	1.8	98.8
Total Meats	2.7	0.5	95.7
Dairy Products			
Butter	3.2	0.9	96.9
Cheese	73.8	1.3	31.7
Concentrated Milk Products	29.8	0.6	76.9
Milk Otherwise Used	0.2	...	99.8
Total Dairy Products	9.4	0.5	92.1
Poultry			
Chickens)	x	95.1
Turkeys)	x	92.0
Ducks)0.9	x	95.2
Geese)	x	97.1
Eggs	0.3	0.1	99.8
Total Poultry	0.5	...	98.3
Wool	23.4	50.3	126.9
Total Live Stock and Animal Products	6.0	0.7	94.3
Other Products			
Apples	44.4	4.2	59.4
Strawberries	2.6	18.7	116.1
Honey	10.2	0.1	89.8
Maple Products	17.0	...	83.1
TOTAL ALL COMMODITIES	15.4	1.4	87.4

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION

1932

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	59.7	...	22.4
Oats	3.7	0.5	93.7
Barley	6.7	...	88.2
Rye	33.8	...	61.5
Peas	4.2	2.6	98.4
Beans	1.7	2.4	100.7
Buckwheat	10.4	...	89.6
Corn	0.8	149.0	248.1
Flax	29.2	...	76.0
Hay	0.2	...	99.8
Potatoes	2.0	0.3	98.3
Turnips	2.5	x	97.5
Sugar Beets	1.9	x	98.0
Tobacco	25.9	16.5	90.5
Total Crops	23.0	1.1	70.6
Live Stock and Animal Products			
Meat Animals			
Cattle	2.7	0.1	97.7
Hogs	5.0	0.3	95.4
Sheep	0.6	1.0	105.1
Total Meats	3.6	0.3	97.7
Dairy Products			
Butter	1.1	0.1	99.8
Cheese	71.5	1.0	28.1
Concentrated Milk Products	34.1	0.5	62.4
Milk Otherwise Used	0.1	...	99.9
Total Dairy Products	8.8	0.1	91.3
Poultry			
Chickens	0.9	x	102.8
Turkeys	5.1	x	92.2
Ducks	-	x	98.3
Geese	-	x	101.5
Eggs	0.1	0.1	100.9
Total Poultry	100.9
Wool	18.1	42.0	123.9
Total Live Stock and Animal Products	6.2	0.3	94.6
Other Products			
Apples	45.3	3.3	57.2
Strawberries	3.0	14.0	110.9
Honey	12.8	0.1	87.4
Maple Products	13.9	...	86.1
TOTAL ALL COMMODITIES	17.0	0.9	79.4

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION

1933

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	69.1	0.2	37.3
Oats	3.0	...	100.6
Barley	2.7	...	97.7
Rye	61.8	...	81.2
Peas	3.0	4.4	101.4
Beans	4.5	3.7	99.2
Buckwheat	5.5	...	94.5
Corn	0.1	128.9	228.8
Flax	29.7	96.2	278.6
Hay	0.2	...	99.8
Potatoes	3.8	0.3	96.4
Turnips	2.7	x	97.3
Sugar Beets	3.1	x	96.9
Tobacco	19.6	20.2	100.6
Total Crops	23.6	1.5	81.2
Live Stock and Animal Products			
Meat Animals			
Cattle	5.0	0.1	94.1
Hogs	9.2	0.4	91.8
Sheep	0.7	0.4	96.9
Total Meats	7.1	0.3	92.7
Dairy Products			
Butter	1.4	0.4	99.0
Cheese	66.2	0.9	32.3
Concentrated Milk Products	35.2	0.3	66.4
Milk Otherwise Used	0.2	...	100.0
Total Dairy Products	8.1	0.2	91.1
Poultry			
Chickens	0.1	x	97.7
Turkeys	5.9	x	88.7
Ducks	} 0.2	x	100.9
Geese		x	99.4
Eggs	0.9	...	99.7
Total Poultry	0.1	...	96.4
Wool	58.4	71.4	113.0
Total Live Stock and Animal Products	7.2	0.7	92.4
Other Products			
Apples	66.8	1.3	34.6
Strawberries	0.6	15.8	115.2
Honey	9.2	0.1	90.9
Maple Products	13.6	...	86.3
TOTAL ALL COMMODITIES	17.6	1.2	85.1

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION

1934

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	60.1	0.3	36.9
Oats	5.6	...	95.6
Barley	23.6	...	85.1
Rye	25.2	0.4	93.8
Peas	2.3	2.8	100.5
Beans	4.7	3.8	99.1
Buckwheat	6.4	...	93.7
Corn	0.1	138.2	238.1
Flax	1.3	100.1	216.1
Hay	0.9	99.1
Potatoes	1.8	0.2	98.4
Turnips	2.4	x	97.6
Sugar Beets	0.1	x	99.9
Tobacco	21.8	21.8	100.0
Total Crops	22.6	1.8	78.8
Live Stock and Animal Products			
Meat Animals			
Cattle	4.9	...	94.0
Hogs	14.8	0.5	85.3
Sheep	0.7	0.1	99.0
Total Meats	10.0	...	89.0
Dairy Products			
Butter	0.1	0.8	97.7
Cheese	60.9	0.9	38.8
Concentrated Milk Products	31.6	0.4	69.3
Milk Otherwise Used	100.0
Total Dairy Products	6.2	0.4	93.0
Poultry			
Chickens	0.8	x	98.6
Turkeys	5.4	x	96.3
Ducks	2.5	x	97.3
Geese	1.3	x	99.1
Eggs	0.9	0.1	98.2
Total Poultry	1.0	...	95.9
Wool	21.8	76.4	154.6
Total Live Stock and Animal Products	6.7	0.8	92.5
Other Products			
Apples	50.5	1.9	51.5
Strawberries	0.6	19.7	119.1
Honey	9.5	0.2	90.7
Maple Products	18.2	...	81.8
TOTAL ALL COMMODITIES	16.9	1.4	83.8

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION
1935

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	90.3	0.1	42.9
Oats	3.9	0.1	93.8
Barley	9.1	...	85.4
Rye	25.6	...	72.4
Peas	2.1	2.9	100.4
Beans	12.5	3.2	90.8
Buckwheat	4.0	...	96.9
Corn	1.0	75.7	174.6
Flax	1.2	53.0	153.9
Hay	0.2	...	99.8
Potatoes	2.4	0.3	98.2
Turnips	3.4	x	96.9
Sugar Beets	0.2	x	99.7
Tobacco	17.2	7.9	92.0
Total Crops	33.6	1.0	78.3
Live Stock and Animal Products			
Meat Animals			
Cattle	7.9	1.8	94.2
Hogs	16.6	0.1	83.2
Sheep	0.7	0.1	101.8
Total Meats	12.0	0.8	88.6
Dairy Products			
Butter	2.2	...	97.7
Cheese	54.9	1.3	40.0
Concentrated Milk Products	27.2	0.1	71.7
Milk Otherwise Used	100.0
Total Dairy Products	6.5	0.1	93.0
Poultry			
Chickens	1.2	x	98.0
Turkeys	3.5	x	98.3
Ducks	4.1	x	99.0
Geese	1.1	x	98.2
Eggs	0.6	...	100.2
Total Poultry	0.8	...	100.2
Wool	43.2	76.6	133.4
Total Live Stock and Animal Products	7.8	0.8	92.8
Other Products			
Apples	53.3	3.4	50.1
Strawberries	4.8	12.2	108.0
Honey	9.2	0.1	90.5
Maple Products	21.0	0.1	79.1
TOTAL ALL COMMODITIES	23.1	1.0	83.9

... Less than 0.1 per cent.

x Data not available - quantities negligible.

EXPORTS, IMPORTS AND APPARENT CONSUMPTION OF
AGRICULTURAL COMMODITIES AS PERCENTAGES OF
CANADIAN PRODUCTION

1936

	Exports Per Cent	Imports Per Cent	Apparent Consumption Per Cent
Field Crops			
Wheat	85.2	0.2	47.9
Oats	3.5	...	104.7
Barley	24.4	...	83.2
Rye	84.9	0.1	80.3
Peas	0.9	12.2	111.3
Beans	5.3	6.9	101.6
Buckwheat	2.4	...	97.7
Corn	6.9	338.0	431.1
Flax	10.0	55.2	134.4
Hay	1.6	...	98.4
Potatoes	1.5	0.4	98.9
Turnips	3.5	x	96.5
Sugar Beets	-	x	100.0
Tobacco	21.8	6.8	85.1
Total Crops	33.9	2.9	82.4
Live Stock and Animal Products			
Meat Animals			
Cattle	14.8	1.6	86.4
Hogs	19.6	0.3	78.7
Sheep	0.6	...	97.0
Total Meats	16.4	0.8	83.0
Dairy Products			
Butter	1.4	...	97.5
Cheese	69.3	1.1	31.4
Concentrated Milk Products	23.1	0.6	77.6
Milk Otherwise Used	100.0
Total Dairy Products	7.7	0.1	92.0
Poultry			
Chickens	1.9	x	96.2
Turkeys	6.8	x	86.3
Ducks	3.1	x	96.0
Geese	1.8	x	98.9
Eggs	0.5	0.4	99.5
Total Poultry	1.0	0.3	98.5
Wool	47.4	118.6	171.2
Total Live Stock and Animal Products	9.9	1.2	90.5
Other Products			
Apples	39.6	1.7	63.2
Strawberries	3.4	15.0	111.6
Honey	9.4	0.1	90.7
Maple Products	20.9	...	79.1
TOTAL ALL COMMODITIES	24.4	2.3	85.5

... Less than 0.1 per cent.

x Data not available - quantities negligible.



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