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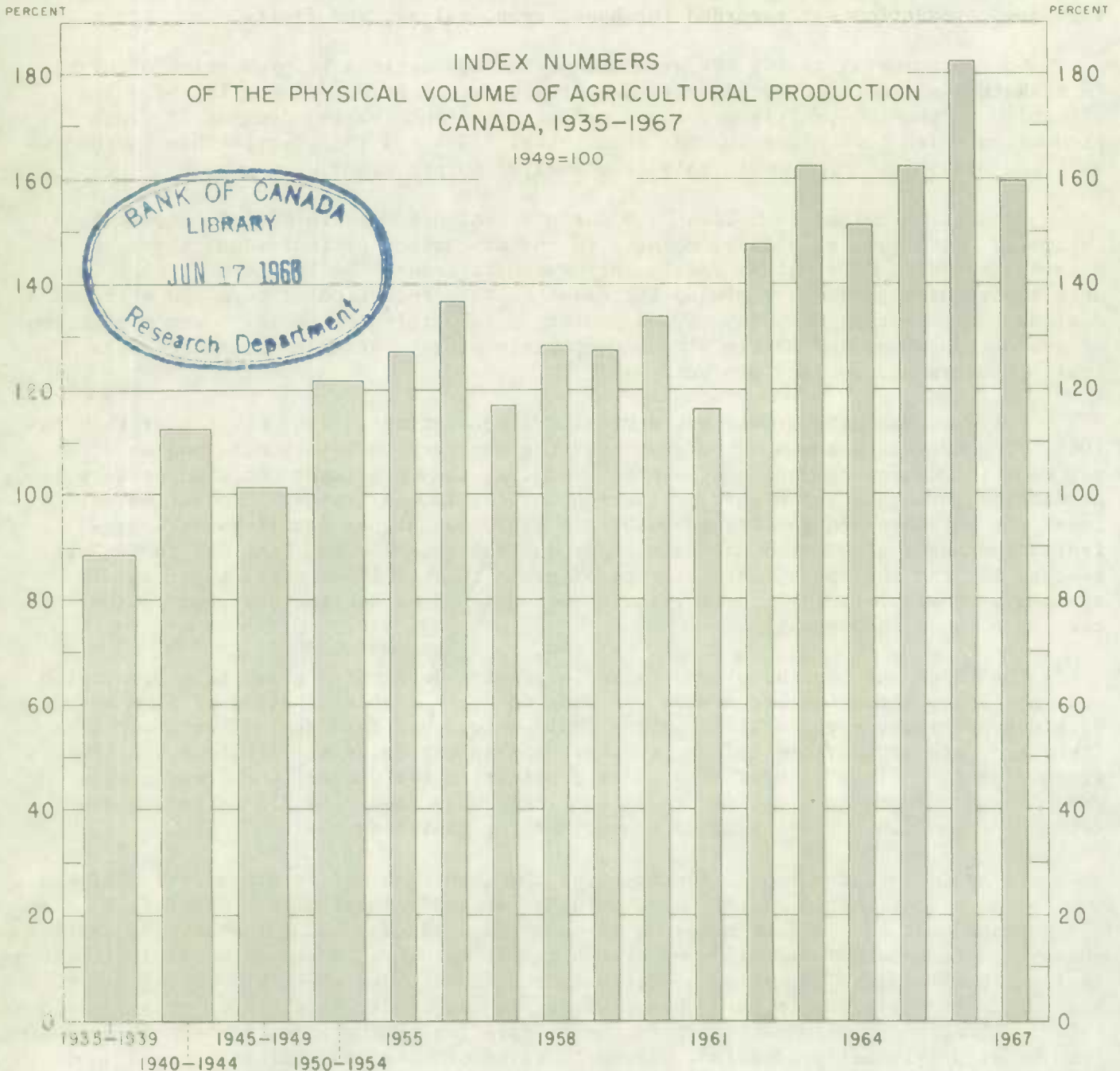
# DOMINION BUREAU OF STATISTICS

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## INDEX OF FARM PRODUCTION, 1967



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Prepared in Farm Finance Section, AGRICULTURE DIVISION

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INDEX NUMBERS OF PHYSICAL VOLUME OF AGRICULTURAL PRODUCTION, 1967(1)

(1949 = 100)

The index of physical volume of agricultural production for Canada is estimated at 159.6 for 1967, 12.5 per cent below the record-high level of 182.3 established in 1966. This estimate is the fourth highest estimate of agricultural production on record, being exceeded by the production level of 162.1 for each of the years 1963 and 1965 as well as that for 1966. The drop in volume of production between 1966 and 1967 can be attributed for the most part, to smaller grain crops in Saskatchewan and Alberta. To a much lesser extent it reflects reduced output of potatoes and poultry. While production of cattle, vegetables and dairy products remained almost unchanged, increased production was recorded for hogs, eggs, calves, and fruits.

On a provincial basis, the greatest percentage decline in production occurred in Saskatchewan followed by Alberta, New Brunswick and Prince Edward Island. The situation in the two prairie provinces reflects the substantial decline in grain production which took place in that area between 1966 and 1967, while that in the two maritime provinces results largely from smaller potato crops.

Production changes of less than one per cent occurred in Ontario and British Columbia. With few exceptions, changes in the production of individual items in Ontario tended to move within fairly narrow limits around the levels of 1966. The more important exceptions included increases in the production of corn and eggs and a decline in the output of potatoes and poultry. In British Columbia, lower production of grains, potatoes and cattle almost completely offset increased output of hogs, fruits, calves and poultry products.

For the remaining provinces, agriculture production in 1967 was higher than in 1966. The increases amounted to just over one per cent in Nova Scotia and about 4 per cent in Quebec and Manitoba. In Nova Scotia, the more important changes were lower production for eggs, and higher production for cattle and fruits. Production was lower for potatoes and poultry in Quebec in 1967, but higher for livestock, eggs, fruits and vegetables. The increase in production recorded for Manitoba in 1967 reflects, for the most part, larger crops of grain than in 1966. Less important increases were also recorded for livestock and eggs. Some decline occurred in the case of potatoes and poultry.

The index has been developed as an index of unduplicated gross farm production and, in its construction, provision was made to avoid double-counting of farm output. Within a province, such double-counting could occur when feed grains, credited to field crop production, are fed to livestock and appear later as livestock and livestock products. Interprovincially, this duplication could occur when feed grains produced in one province are fed in another, and when feeder cattle raised in one section of the country are shipped to another for finishing.

To avoid intraprovincial duplication, the quantities of farm products included in the index are limited to (1) those sold by farmers (except direct inter-farm sales), (2) amounts consumed in farm homes on farms where produced, and (3) amounts equal to changes in farm-held inventories of grains and livestock. Interprovincial duplication is largely eliminated by making adjustments for those cases where provincial agricultural production depends in part upon feed grains and feeder cattle from other provinces. This duplication is eliminated before the calculation of the index numbers by deducting from total provincial production, valued in terms of base year prices, the value of the contribution of the other provinces, also in terms of base year prices.

(1) Excludes Newfoundland.

Laspeyre's formula has been used in the preparation of the index of farm production so that it expresses, for each year, production as a percentage of the gross output in the base year. The index numbers for the period 1947 to date have been constructed on a time and weight base of 1949 = 100. For the years 1935 to 1946, they were constructed on a time and weight base of 1935-39 = 100. The index numbers for the years 1935 to 1946 were linked to the series for 1947 to date by applying to the original index numbers for each of the early years the ratio of the index numbers for 1947 (1949 = 100) to the index numbers for 1947 (1935-39 = 100). For the years 1947 to date, the agricultural products included in the index are, in so far as statistics are available, all commodities produced on farms for sale (except direct inter-farm sale), consumption in farm homes or additions to farm inventories. This commodity content is in contrast with that for the years 1935 to 1946 which, when the index numbers were originally developed, was limited to the major items of production. The use of only the major items of agricultural production in these early years provided a fairly accurate measure of gross agricultural output, but with the need to develop a net index of farm production it has been necessary to increase coverage as close to 100 per cent as possible.

For more information concerning the development of this index from its original base of 1935-39 = 100 to its present base of 1949 = 100, please refer to the report on the Index of Farm Production for 1966.

The estimates contained in this report are based on many sources. These include: Census of Agriculture; periodic Bureau surveys of the production of crops, livestock and animal products; and agricultural statistics arising out of the administrative responsibilities of various government departments both Federal and Provincial.

Index Numbers of Physical Volume of Agricultural Production by Province 1935-67

(1949 = 100)

	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada(1)
1935 .....	59.5	129.8	73.9	94.8	88.5	57.4	88.6	89.2	60.4	84.4
1936 .....	67.1	128.5	82.8	99.8	79.5	57.1	64.8	70.9	63.0	74.4
1937 .....	65.4	136.3	83.1	103.2	91.5	92.8	26.0	83.7	66.8	75.1
1938 .....	67.0	131.2	74.6	97.1	92.0	89.9	84.6	131.7	68.8	95.5
1939 .....	69.3	127.7	79.7	107.8	96.1	101.6	140.8	132.6	72.8	112.6
1940 .....	68.7	120.9	88.6	111.3	90.6	106.2	131.1	153.7	76.5	113.4
1941 .....	62.4	108.5	76.0	94.7	89.3	101.8	86.2	102.9	64.3	90.9
1942 .....	80.6	128.4	88.2	111.9	104.9	137.7	202.2	189.8	74.5	143.3
1943 .....	68.5	120.5	104.5	105.4	79.5	114.6	102.0	98.8	73.6	95.2
1944 .....	78.5	140.3	106.4	115.6	97.7	111.3	152.7	127.9	89.5	118.9
1945 .....	77.8	100.5	82.5	90.7	87.6	90.2	100.3	98.2	82.5	92.6
1946 .....	75.9	122.7	91.6	95.4	95.8	110.9	118.4	127.3	96.3	107.7
1947 .....	80.7	103.0	90.4	97.3	90.6	102.4	101.6	123.6	92.8	100.6
1948 .....	83.8	103.7	94.1	102.3	95.7	114.5	106.6	121.8	91.3	104.9
1949 .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950 .....	91.6	103.4	95.6	108.0	99.3	111.8	129.3	115.5	90.9	110.4
1951 .....	76.7	93.8	79.8	107.0	103.1	114.9	155.7	149.9	93.3	122.3
1952 .....	96.6	106.1	85.9	113.6	105.5	130.3	204.9	167.2	105.2	140.0
1953 .....	98.7	106.2	91.6	108.1	105.4	110.1	176.0	160.1	111.8	130.2
1954 .....	96.1	115.9	84.5	109.5	105.6	92.1	90.1	122.3	112.4	104.0
1955 .....	96.2	114.1	90.6	117.9	107.4	103.8	164.8	147.8	109.7	127.1
1956 .....	94.7	112.6	91.8	116.9	108.8	131.2	182.2	163.5	113.1	136.5
1957 .....	99.8	110.9	88.5	117.9	115.4	103.6	118.8	130.7	116.7	117.0
1958 .....	98.7	109.4	85.7	123.8	128.0	127.0	124.2	150.4	120.2	128.2
1959 .....	90.5	111.4	80.0	123.8	121.7	120.0	128.3	154.9	126.6	127.3
1960 .....	89.2	112.3	84.7	124.1	122.8	123.0	160.0	146.3	130.7	133.7
1961 .....	93.0	118.9	87.1	133.3	134.1	83.6	73.9	144.9	139.2	116.1
1962 .....	94.0	124.2	89.3	142.4	139.5	146.3	165.3	157.4	148.0	147.6
1963 .....	94.7	126.4	85.9	143.1	140.4	127.3	221.6	182.0	149.5	162.1
1964 .....	103.9	124.3	91.0	143.6	147.8	155.6	149.1	174.7	164.0	151.2
1965 .....	97.4	125.0	89.6	148.2	148.2	164.0	183.9	188.3	155.9	162.1
1966 .....	111.3	130.5	100.4	155.6	155.6	157.4	237.6	219.0	174.0	182.3
1967 .....	103.2	131.9	91.8	161.7	154.5	164.0	153.4	184.8	174.4	159.6

(1) Excludes Newfoundland.

