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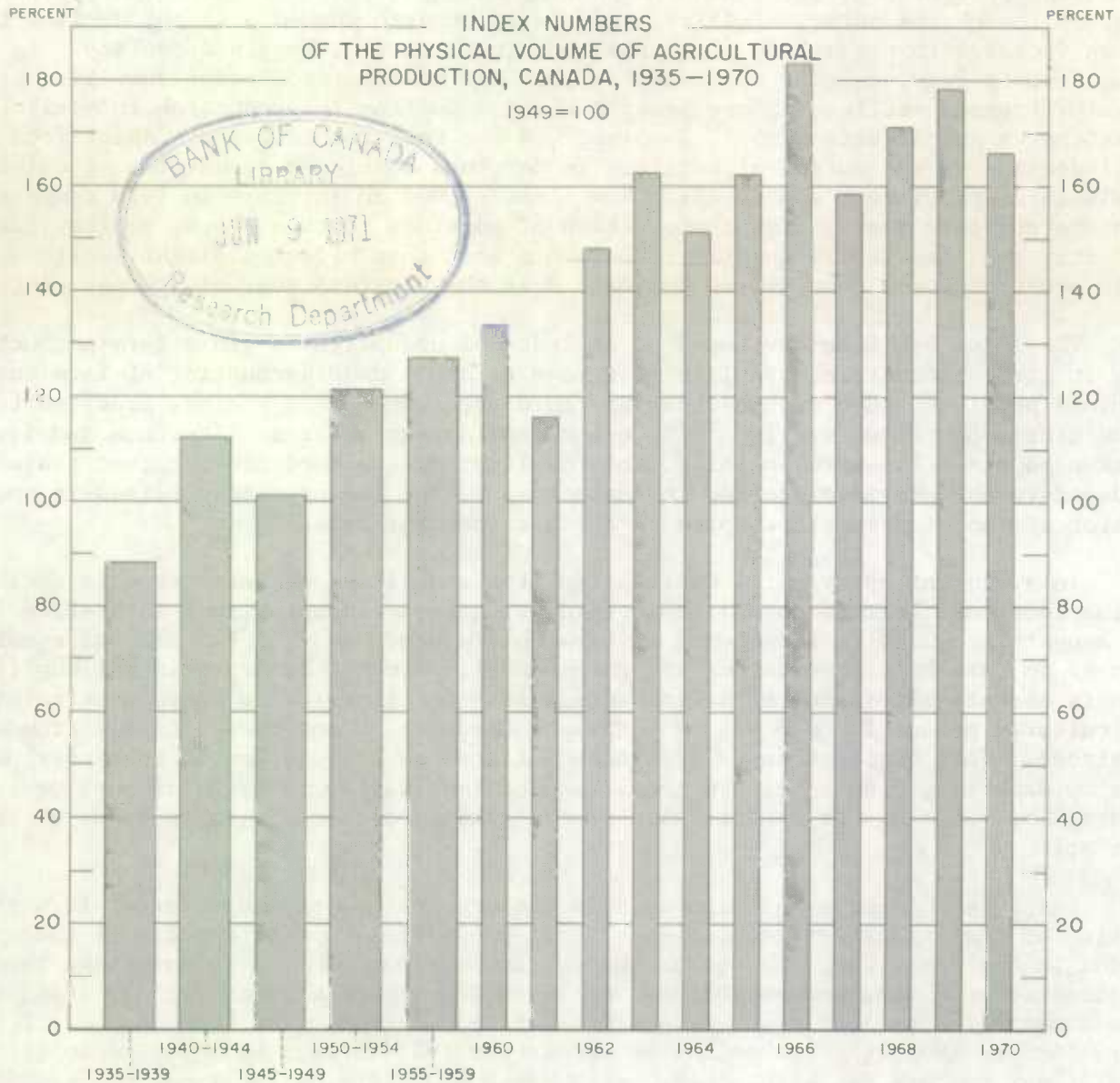
DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Industry, Trade and Commerce

Price: 25 cents per copy

INDEX OF FARM PRODUCTION, 1970



MAY 1971
3904-503

Prepared in Farm Finance Section, AGRICULTURE DIVISION

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INDEX NUMBERS OF PHYSICAL VOLUME OF AGRICULTURAL PRODUCTION, 1970(1)

(1949=100)

Compared to the level established in 1969 overall agricultural production during 1970 declined in all provinces except Ontario and British Columbia.

The largest decrease occurred in Saskatchewan where, as a result of the LIFT (Lower Inventory For Tomorrow) Program, production of grains was sharply below that for 1970. In the Maritime Provinces production dropped by approximately 2 per cent in both Prince Edward Island and Nova Scotia while a larger decline of 11 per cent occurred in New Brunswick. Although increased production of cattle, hogs, hens and chickens occurred in all three provinces, the output of potatoes was down in Prince Edward Island and New Brunswick while egg production was lower in Nova Scotia and New Brunswick. Overall production in Quebec remained almost unchanged in 1970. The increased production of livestock and poultry was offset by a reduced dairy production. Although the output of dairy products in Ontario showed a slight decline there was an increase in production of grains, potatoes, cattle, hogs and poultry. In all three Prairie Provinces the considerable decline in wheat production resulting from the LIFT Program mentioned above brought about a decline in production in Manitoba, Saskatchewan and Alberta of 5.7, 24.5 and 4.4 per cent respectively. Apart from a small decline in the output of potatoes in Manitoba and lower production of calves in all three provinces, almost all other items showed an increase in 1970 compared with the previous year. Higher production of potatoes, cattle, hogs, poultry, dairy products, eggs and fruits in British Columbia more than offset a slight decline in grain production and provided an increase over the previous year of 5.4 per cent.

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.

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

(1) Excludes Newfoundland.

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 1935-70
(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	124.2	122.8	123.0	160.4	146.4	130.7	133.9
1961	93.3	118.5	87.1	132.7	134.1	83.7	74.7	144.2	141.3	116.2
1962	93.7	122.0	89.2	142.0	140.0	147.3	166.2	159.1	149.6	148.2
1963	94.8	123.8	86.5	142.7	140.4	128.3	222.7	183.8	148.6	162.6
1964	103.7	119.9	89.9	142.7	145.8	156.9	151.1	176.7	163.4	151.2
1965	97.5	122.9	88.2	144.4	146.6	165.7	185.6	192.1	154.8	162.1
1966	114.6	127.1	97.8	154.9	156.9	159.0	238.5	221.6	174.9	183.3
1967	102.9	131.4	90.9	160.0	154.8	163.1	150.6	184.0	175.2	158.7
1968	110.5	134.3	97.4	165.8	158.6	176.3	170.2	211.6	178.8	171.0
1969	114.5	138.8	96.6	170.4	157.7	156.9	217.5	207.2	169.1	178.6
1970	112.1	136.2	86.0	169.8	163.0	147.9	164.2	198.0	178.3	166.3

(1) Excludes Newfoundland.

