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FIELD CROPS OF CANADA, 1941

Ottawa, July 8, 1941, 3 p.m. - The Dominion Bureau of Statistics issues today a bulletin giving (1) the numerical condition of field crops in Canada at the end of June and (2) the first estimate of the areas of late-sown crops and hay.

SUMMARY

Growing crops in almost all provinces of Canada suffered from dry, hot weather during June. In Saskatchewan and Alberta the condition of the spring wheat crop at June 30 showed a marked deterioration from that of a month previously and was considerably below the prospects indicated at the same date in 1940. Manitoba was more fortunate in respect to rainfall and in almost all sections of that province the prospects are excellent for the wheat crop. The fall wheat crop in Ontario showed a moderate decline in condition on June 30 and was well below the long-time average for that date. Coarse grains did not suffer to quite the same extent as wheat, but their condition at the end of June was below average in all provinces except British Columbia. Forage crops and pastures were severely burned by the dry weather of June, especially in Ontario where the condition was the poorest in many years. The potato crop generally at June 30 was in a slightly less favourable condition than a year ago and in Prince Edward Island and Ontario the crop was sharply below normal.

Changes in the condition of field crops in the Maritime Provinces were somewhat varied during June. Crops in Nova Scotia and Prince Edward Island showed little change during the month, while in New Brunswick there were reductions in the condition of most crops. Compared with the long-time average, crops in the Maritimes were from one to five per cent below normal at June 30.

The condition of all crops in Quebec declined during June. Pasture and hay crops suffered most severely, but in all cases conditions at June 30 were below the long-time average. Lack of adequate rainfall was the chief limiting factor in the development of crops in that province.

Prolonged dry weather in Ontario, combined with excessive heat, resulted in a serious deterioration of all crops in that province during June. At the end of the month the condition of many crops was the lowest in years. Hay and clover, alfalfa and pastures were particularly hard hit. Coarse grain crops were also far below the long-time average. Sugar beets and husking corn were the only crops in better condition at June 30, 1941, than at the same date a year previously.

Manitoba was the most favoured province in the Dominion during June and ample rain fell to keep all crops growing well. For almost all crops, especially wheat, the condition at June 30 was excellent. In contrast to Ontario, this province has had good hay and pasture conditions throughout 1941. In Saskatchewan, however, conditions have been much less favourable in many areas. Serious deterioration of the wheat crop occurred in the central area of Saskatchewan in the vicinity of Moose Jaw, Swift Current, Shaunavon and Saskatoon. Lack of adequate rainfall was largely responsible for the reduction in crop prospects. Although crops generally in Alberta have not suffered to quite the same extent as in Saskatchewan, there was a substantial decline in the condition of the wheat crop during June. The most seriously affected area was in the east-central part of the province, bordering on Saskatchewan, while excessively high temperatures resulted in deterioration in some of the south and south-central districts. The condition of all other crops was less favourable than at June 30, 1940.

Little change occurred in crop conditions in British Columbia during June and most crops were looking more favourable at the end of the month than at May 31 or a year previously. In almost all cases crop conditions in that province were above the long-time average for June 30.

Weather Conditions since July 1

The Prairie Provinces have received scattered showers during the past week, and temperatures have been slightly above normal, except in Alberta where the weather has continued warm. Thunderstorms occurred in Ontario and Quebec on July 7, bringing only partial relief to the drought situation. In the Maritimes, favourable crop conditions have continued, although the season is late.

Condition of Field Crops, June 30, 1941

For all Canada, the condition of field crops at June 30, 1941, expressed as percentages of the long-time average yields per acre, was reported as follows, with the figures for May 31, 1941, and June 30, 1940, within brackets: Fall wheat 86 (91, 99); spring wheat 80 (98, 96); all wheat 80 (98, 96); oats 87 (94, 92); barley 89 (93, 92); fall rye 83 (89, 86); spring rye 86 (95, 92); all rye 84 (91, 88); peas 86 (97, 94); beans 89 (-, 92); buckwheat 85 (-, 93); mixed grains 84 (94, 96); flaxseed 87 (-, 92); corn for husking 89 (-, 83); potatoes 93 (-, 94); turnips, etc. 87 (-, 93); hay and clover 85 (95, 100); alfalfa 82 (90, 102); fodder corn 87 (-, 87); sugar beets 98 (-, 95); pasture 83 (94, 102).

In the Prairie Provinces, the condition of the principal cereal crops at June 30, 1941, was reported as follows, with the figures for May 31, 1941, and June 30, 1940, within brackets: Manitoba - Wheat 121 (128, 117); oats 98 (95, 93); barley 97 (94, 92); rye 99 (99, 88); flaxseed 97 (-, 93). Saskatchewan - Wheat 71 (92, 92); oats (82 (94, 87); barley 81 (94, 87); rye 77 (87, 84); flaxseed 83 (-, 91). Alberta - Wheat 80 (98, 93); oats 89 (91, 95); barley 90 (92, 95); rye 87 (92, 94); flaxseed 91 (-, 94).

Acreage of Late-Sown Crops and Hay

The first estimate of the acreages of late-sown crops and hay in 1941 is as follows, with the 1940 acreages within brackets: Peas 80,900 (81,500); beans 94,300 (96,800); buckwheat 302,200 (325,700); corn for husking 190,000 (186,000); turnips, etc. 176,700 (186,400); hay and clover 8,803,600 (8,811,200); alfalfa 1,004,600 (1,031,700); fodder corn 486,400 (496,200); sugar beets 70,900 (77,900).

Chart Showing the Condition of Spring Wheat in the Prairie Provinces, by Crop Districts at June 30 and May 31, 1941, and at June 30, 1940.

The charts on the last pages of this report indicate the June 30, 1941 wheat condition by crop districts in comparison with conditions of a month ago and a year ago. The crop district condition figures are based upon an analysis of weather factors for all three periods, so that the condition figures as well as the patterns employed in the maps are directly comparable. The condition figures are expressed as percentages of the long-time average yields per acre for each province, which stand at 16 bushels for Manitoba, 15 bushels for Saskatchewan and 18 bushels for Alberta.

High June temperatures in the three Prairie Provinces and somewhat below normal precipitation in Saskatchewan and Alberta have resulted in declines in wheat condition, particularly in the latter two provinces. Manitoba's average precipitation through June was four-tenths of an inch above normal, while average mean temperatures were 2.5 degrees above normal. Saskatchewan's June rainfall was 1.2 inches below normal and mean temperatures 2.2 degrees above normal aggravated the deficiency of moisture. Alberta's average rainfall was six-tenths of an inch below normal, and mean temperatures ran 2.6 degrees above normal for the month. Although Manitoba's condition figure declined only from 128 to 121 between May 31 and June 30, Saskatchewan's condition figure dropped from 92 to 71, and Alberta's from 98 to 80. Prospects at June 30 in Manitoba were slightly better than a year ago, with the current condition figure 4 points above last year's June 30 figure. In Saskatchewan, however, yield prospects at June 30 were 21 points below those of a year ago, and in Alberta 13 points below those of June 30, 1940.

Manitoba

Declines in the condition figures for all of the crop districts in Manitoba were slight during June. District 6 in the south-east was an exception, where a major decline of 24 points from 97 to 73 occurred between May 31 and June 30. Apart from District 6, the remaining districts all had prospects at June 30 for yields above the long-time provincial average of 16 bushels per acre.

Saskatchewan

The central districts of Saskatchewan have suffered a serious setback during June. Crop Districts 3AN, 3BN and 6B in the central part of the province show condition figures of 37, 42 and 41 respectively on the basis of the weather analysis. Districts 6A and 3BS have June 30 condition figures of 53 and 56 respectively. The remaining districts show prospects below average, apart from Districts 4A, 5B, 8A and 9A, where the condition figures range from 109 to 119. The latter three districts ordinarily have yields well above the long-time provincial average of 15 bushels per acre, so that the current condition figures in relation to the long-time average provincial yield are by no means better than average for those particular districts. District 4A was the only one to show any improvement during June.

Alberta

Crop Districts 11, 12, 14 and 15, including the Edmonton and northern Alberta areas, gained in condition during the month with the receipt of badly needed rainfall. Districts 1 and 13 maintained their condition, while the balance of the province experienced varying declines. Slight declines occurred in Districts 16 and 17 of the Peace River area, and comparatively heavy declines occurred in Districts 2, 3, 4, 5 and 6, including the Calgary area and south, where extreme temperatures during June spoiled the highly favourable prospects which the earlier heavy rainfall had promised. The districts showing the poorest condition at June 30 were 5 and 7, where insufficient moisture supplies combined with the heat to lower the prospective yields to 40 and 50 per cent of the long-time average provincial yield.

1. Condition of Field Crops at June 30, 1941, as Compared with May 31, 1941,  
and June 30, 1940.

Note:-- 100=Long-time Average Yield per Acre

Province and Crop	June 30, 1940.	May 31, 1941.	June 30 1941	Province and Crop	June 30, 1940	May 31, 1941.	June 30, 1941.
	p.c.	p.c.	p.c.		p.c.	p.c.	p.c.
<u>Canada</u>				<u>Quebec</u>			
Fall wheat	99	91	86	Spring wheat	95	100	94
Spring wheat <sup>1/</sup>	96	98	80	Oats	93	102	96
All wheat <sup>1/</sup>	96	98	80	Barley	93	101	94
Oats	92	94	87	Spring rye	96	99	94
Barley	92	93	89	Peas	95	104	97
Fall rye	86	89	83	Beans	91	-	96
Spring rye	92	95	86	Buckwheat	95	-	95
All rye	88	91	84	Mixed grains	94	101	96
Peas	94	97	86	Flaxseed	94	-	91
Beans	92	-	89	Potatoes	97	-	97
Buckwheat	93	-	85	Turnips, etc.	95	-	96
Mixed grains	96	94	84	Hay and clover	99	97	92
Flaxseed	92	-	87	Alfalfa	99	100	95
Corn, husking	83	-	89	Fodder corn	93	-	94
Potatoes	94	-	93	Pasture	101	96	87
Turnips, etc.	93	-	87	<u>Ontario</u>			
Hay and clover	100	95	85	Fall wheat	99	91	86
Alfalfa	102	90	82	Spring wheat	95	94	78
Fodder corn	87	-	87	All wheat	99	91	85
Sugar beets	95	-	98	Oats	95	94	77
Pasture	102	94	83	Barley	93	91	79
<u>P. E. Island</u>				Fall rye	97	91	85
Spring wheat	97	100	99	Peas	93	94	81
Oats	100	93	98	Beans	92	-	88
Barley	100	92	97	Buckwheat	91	-	78
Buckwheat	100	-	94	Mixed grains	96	92	80
Mixed grains	100	101	97	Flaxseed	91	-	81
Potatoes	100	-	92	Corn, husking	83	-	89
Turnips, etc.	100	-	95	Potatoes	91	-	86
Hay and clover	102	104	100	Turnips, etc.	90	-	80
Fodder corn	100	-	97	Hay and clover	104	91	66
Pasture	105	102	103	Alfalfa	105	88	77
<u>Nova Scotia</u>				Fodder corn	85	-	84
Spring wheat	97	100	98	Sugar beets	96	-	97
Oats	97	89	95	Pasture	107	88	67
Barley	96	86	96	<u>Manitoba</u>			
Buckwheat	96	-	98	Spring wheat <sup>2/</sup>	117	128	121
Mixed grains	95	77	91	Oats	93	95	98
Potatoes	97	-	95	Barley	92	94	97
Turnips, etc.	96	-	97	Fall rye	88	100	100
Hay and clover	104	101	96	Spring rye	89	93	95
Fodder corn	93	-	96	All rye	88	99	99
Pasture	103	99	98	Peas	90	95	96
<u>New Brunswick</u>				Buckwheat	81	-	95
Spring wheat	94	95	97	Mixed grains	92	93	97
Oats	95	96	95	Flaxseed	93	-	97
Barley	95	98	96	Potatoes	86	-	97
Beans	94	-	97	Turnips, etc.	89	-	95
Buckwheat	95	-	94	Hay and clover	82	103	105
Mixed grains	96	102	99	Alfalfa	85	102	101
Potatoes	95	-	96	Fodder corn	87	-	96
Turnips, etc.	96	-	94	Sugar beets	91	-	101
Hay and clover	100	101	96	Pasture	88	106	108
Fodder corn	95	-	96				
Pasture	102	100	99				

I. Condition of Field Crops at June 30, 1941, as Compared with May 31, 1941, and June 30, 1940 (Concluded)

Province and crop	June 30, 1940	May 31, 1941	June 30, 1941	Province and crop	June 30, 1940	May 31, 1941	June 30, 1941
	p.c.	p.c.	p.c.		p.c.	p.c.	p.c.
<u>Saskatchewan</u>				<u>British Columbia</u>			
Spring wheat <u>2/</u>	92	92	71	Spring wheat	96	99	101
Oats	87	94	82	Oats	96	99	102
Barley	87	94	81	Barley	95	98	99
Fall rye	83	84	75	Spring rye	99	102	103
Spring rye	89	96	82	Peas	96	102	103
All rye	84	87	77	Beans	97	-	104
Mixed grains	88	97	90	Mixed grains	99	100	101
Flaxseed	91	-	83	Flaxseed	100	-	102
Potatoes	92	-	89	Potatoes	97	-	98
Turnips, etc.	91	-	87	Turnips, etc.	94	-	98
Hay and clover	84	98	88	Hay and clover	100	101	101
Alfalfa	92	99	92	Alfalfa	103	101	101
Fodder corn	92	-	91	Fodder corn	100	--	96
Pasture	88	99	83	Pasture	96	101	102
<u>Alberta</u>							
Spring wheat <u>2/</u>	93	98	80				
Oats	95	91	89				
Barley	95	92	90				
Fall rye	93	89	88				
Spring rye	96	94	87				
All rye	94	92	87				
Peas	99	86	93				
Beans	94	-	90				
Mixed grains	94	88	89				
Flaxseed	94	-	91				
Potatoes	97	-	93				
Turnips, etc.	97	-	89				
Hay and clover	100	81	83				
Alfalfa	100	85	86				
Fodder corn	94	-	87				
Sugar beets	96	-	98				
Pasture	101	81	84				

1/ Includes condition figures for Prairie Provinces based on weather factors.

2/ Condition figures based on weather factors.

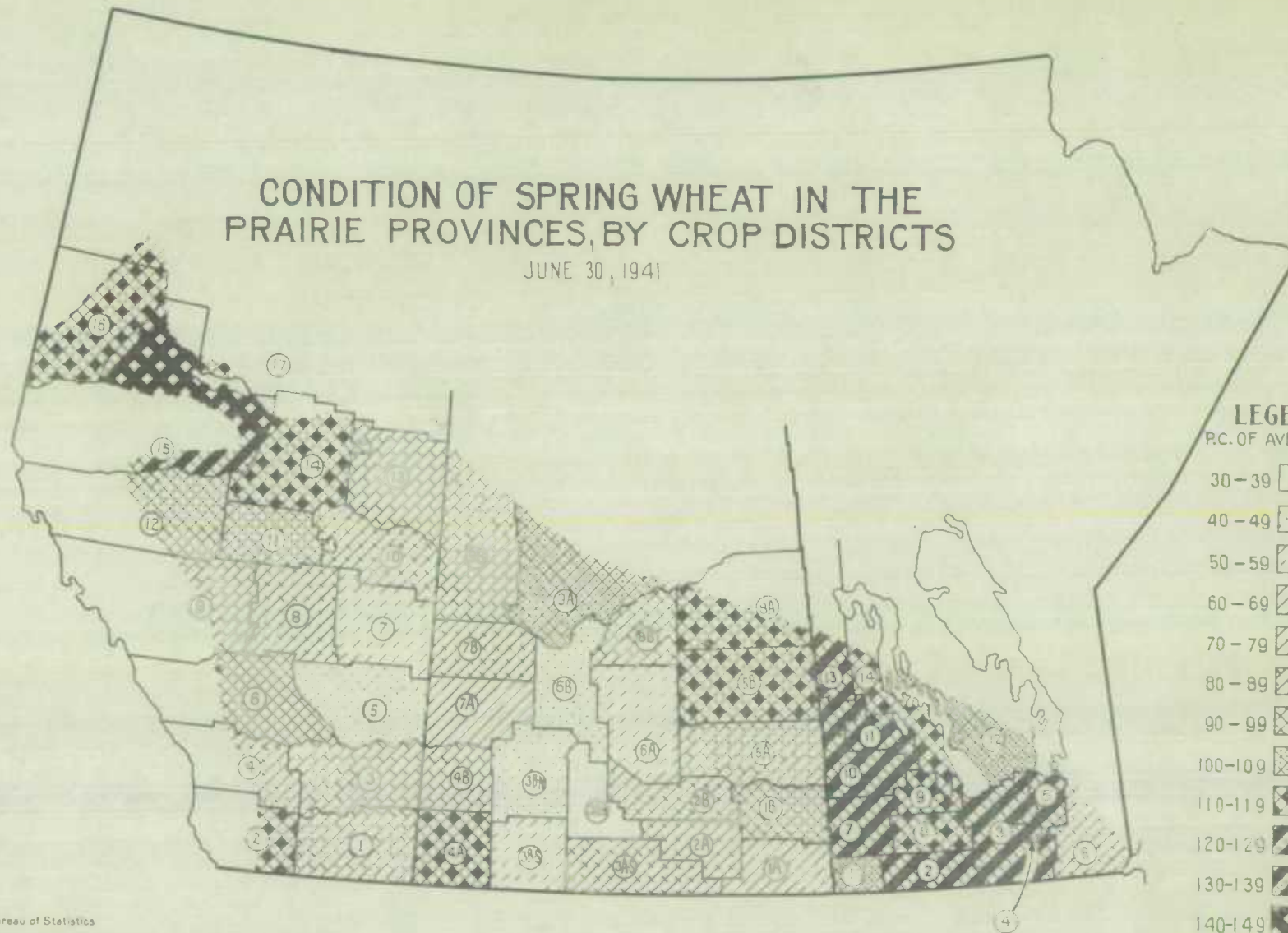
II. Areas of Late-Sown Crops and Hay, 1941, as Compared with 1940.

Province and Crop	1940	Per cent of 1940	1941	Province and Crop	1940	Per cent of 1940	1941
	acres	p.c.	acres		acres	p.c.	acres
<u>Canada -</u>				<u>Manitoba -</u>			
Peas	81,500	99	80,900	Peas	1,700	98	1,700
Beans	96,800	97	94,300	Buckwheat	5,000	98	4,900
Buckwheat	325,700	93	302,200	Turnips, etc.	5,600	97	5,400
Corn, husking	186,000	102	190,000	Hay and clover <u>1/</u>	420,900	107	450,400
Turnips, etc.	186,400	95	176,700	Alfalfa	104,600	104	108,800
Hay and clover <u>1/</u>	8,811,200	100	8,803,600	Fodder corn	74,200	103	76,400
Alfalfa	1,031,700	97	1,004,600	Sugar Beets	15,800	104	16,500
Fodder corn	496,200	98	486,400				
Sugar Beets	77,900	91	70,900				
<u>Prince Edward Island -</u>				<u>Saskatchewan -</u>			
Buckwheat	3,700	92	3,400	Turnips, etc.	2,200	98	2,200
Turnips, etc.	10,800	99	10,700	Hay and clover <u>1/</u>	257,300	105	270,200
Hay and clover <u>1/</u>	236,900	100	236,900	Alfalfa	30,000	107	32,000
Fodder corn	400	94	400	Fodder corn	11,200	100	11,200
<u>Nova Scotia -</u>				<u>Alberta -</u>			
Buckwheat	3,800	96	3,600	Peas	1,200	103	1,200
Turnips, etc.	11,900	96	11,400	Beans	600	96	600
Hay and clover <u>1/</u>	405,600	98	397,500	Turnips, etc.	2,800	99	2,800
Fodder corn	800	97	800	Hay and clover <u>1/</u>	398,700	109	434,600
<u>New Brunswick -</u>				Alfalfa	108,700	108	117,400
Beans	1,100	100	1,100	Fodder corn	2,400	96	2,300
Buckwheat	26,200	94	24,600	Sugar beets	23,900	102	24,400
Turnips, etc.	12,700	95	12,100	<u>British Columbia -</u>			
Hay and clover <u>1/</u>	572,400	100	572,400	Peas	3,700	109	4,000
Fodder corn	800	97	800	Beans	1,100	102	1,100
<u>Quebec -</u>				Turnips, etc.	5,500	100	5,500
Peas	19,700	101	19,900	Hay and clover <u>1/</u>	158,700	102	161,900
Beans	9,200	100	9,200	Alfalfa	51,000	101	52,000
Buckwheat	104,500	97	101,400	Fodder corn	6,100	98	6,000
Turnips, etc.	36,600	99	36,200				
Hay and clover <u>1/</u>	3,661,300	100	3,661,300				
Alfalfa	22,400	100	22,400				
Fodder corn	61,300	97	59,500				
<u>Ontario -</u>							
Peas	55,200	98	54,100				
Beans	84,800	97	82,300				
Buckwheat	182,500	90	164,300				
Corn, husking	186,000	102	190,000				
Turnips, etc.	98,300	92	90,400				
Hay and clover <u>1/</u>	2,699,400	97	2,618,400				
Alfalfa	715,000	94	672,000				
Fodder corn	339,000	97	329,000				
Sugar beets	38,200	79	30,000				

1/ Seeded hay and clover only.

# CONDITION OF SPRING WHEAT IN THE PRAIRIE PROVINCES, BY CROP DISTRICTS

JUNE 30, 1941



**LEGEND**  
P.C. OF AVERAGE

30-39	[White box]
40-49	[Dotted box]
50-59	[Diagonal lines (top-left to bottom-right)]
60-69	[Diagonal lines (bottom-left to top-right)]
70-79	[Cross-hatch]
80-89	[Dense cross-hatch]
90-99	[Very dense cross-hatch]
100-109	[Dense cross-hatch]
110-119	[Dense cross-hatch]
120-129	[Dense cross-hatch]
130-139	[Dense cross-hatch]
140-149	[Dense cross-hatch]

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