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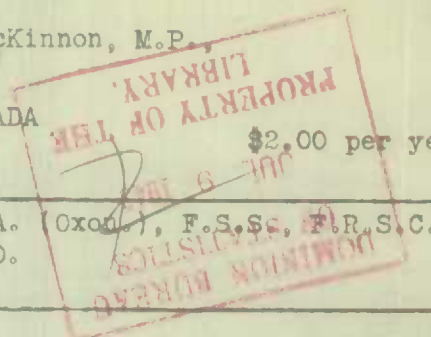
by Authority of the Hon. James A. MacKinnon, M.P.,  
Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS - CANADA  
AGRICULTURAL BRANCH

C.R. No. 9  
1943

Dominion Statistician:  
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FIELD CROPS OF CANADA, 1943

Ottawa, July 8, 1943. (3 p.m.) - The numerical condition of field crops in Canada at the end of June and the first estimate of the areas of late-sown crops and hay, are contained in a report issued today by the Dominion Bureau of Statistics.

SUMMARY

The effects of a cool, wet spring right across Canada this year are clearly to be noted in the condition of field crops at the end of June. Except for hay and pasture which prospered with the spring rains, mid-season prospects are in sharp contrast with the very favourable outlook at June 30 a year ago, and, in the case of several crops are not as good as they were in the generally unsatisfactory season of 1941.

Wheat condition figures for the Prairie Provinces, based on an analysis of weather factors and expressed in terms of the long-time average yield per acre, indicate a better outlook in Manitoba than at the same date last year, a moderate recession in Saskatchewan and a sharp decline in Alberta where persistent drought, centering on the south-eastern portion of the province, has contributed substantially to the reduced prospects.

Spring wheat outlook in the other six provinces, indicated by reports from the Bureau's crop correspondents, shows a marked decline from a year ago in Ontario and Quebec and less favourable prospects in the Maritimes and British Columbia. Fall-sown wheat, which comprises the bulk of the wheat grown in Ontario, is substantially lower in condition compared with the end of June 1942, and is several points below the condition figure for June 30 two years ago when the fall wheat harvest was below normal.

Feed grains of which oats and barley are the principal crops, show up better in the Prairie Provinces than they do in Ontario and Quebec where they are quite extensively grown, while in the Maritime provinces, and particularly in Prince Edward Island, conditions this year compare quite favourably with a year ago, and in British Columbia the contrast with 1942 is not very marked. The Ontario-Quebec picture is brightened somewhat by the excellent hay and pasture conditions and by the comparatively favourable outlook for buckwheat which has been substituted for other crops due to the late season. Both Ontario and Quebec show expansion of acreage seeded to this crop compared with 1942.

Not for many years has the seeding season been so extended in Canada as a whole. A large number of farmers in western Canada still had to thresh crops produced in 1942 before they could commence field work on the 1943 crops and in this operation they were persistently held up by rains. Wheat and coarse grain crops were planted considerably beyond the normal seeding dates and the situation was aggravated further by very cool weather during the greater part of May and June. As a result, crop development in the Prairie Provinces shows great variation.

Farmers in eastern Canada were no better served by the weather and many growers were forced to change their seeding plans because of the very unfavourable spring season. The expansion in buckwheat acreage in Ontario and Quebec was one of the results of the delayed sowing.

Weather since July 1

Much warmer weather has been experienced over most of the country since the end of June but while the higher temperatures have forced growth they have also depleted moisture reserves, particularly in Saskatchewan. The warm spell has also intensified the drought in south-eastern Alberta and although continued heat is still a general requirement because of backwardness of crops, good rains are now needed in sections of western Canada.

### Condition of Field Crops, June 30, 1943.

For all Canada, the condition of field crops at June 30, 1943, expressed as percentages of the long-time average yields per acre, was reported as follows, with figures for June 30, 1942, within brackets: Fall wheat 82 (103); spring wheat 115 (136); all wheat 114 (135); oats 88 (100); barley 89 (100); fall rye 84 (93); spring rye 91 (98); all rye 86 (95); peas 82 (97); beans 77 (93); buckwheat 90 (97); mixed grains 76 (97); flaxseed 91 (94); corn for husking 76 (88); potatoes 89 (97); turnips, etc. 87 (94); hay and clover 100 (101); alfalfa 93 (102); fodder corn 80 (92); sugar beets 86 (96); pasture 104 (104).

In the Prairie Provinces, the condition of the principal cereal crops at June 30, 1943, was reported as follows, with the figures for June 30, 1942, within brackets: Manitoba - Wheat 144 (129); oats 90 (97); barley 87 (97); rye 84 (98); flaxseed 91 (93). Saskatchewan - Wheat 123 (137); oats 95 (103); barley 94 (104); rye 88 (93); flaxseed 92 (94). Alberta - Wheat 90 (139); oats 87 (100); barley 87 (99); rye 82 (93); flaxseed 87 (96).

### Acreages of Late-Sown Crops and Hay

The first estimate of the acreages of late-sown crops and hay in 1943 is as follows, with the 1942 acreages within brackets: Peas 82,800 (90,100); beans 70,730 (80,400); buckwheat 264,600 (239,800); corn for husking 313,000 (358,000); turnips, etc. 144,700 (157,800); hay and clover 9,698,000 (9,707,000); alfalfa 1,347,000 (1,439,800); fodder corn 435,400 (484,800); sugar beets 56,800 (63,300).

### Condition of Wheat by Crop Districts in Prairie Provinces

Two charts appear on the last page of this report showing the condition of spring wheat in the Prairie Provinces by crop districts. The condition figures are based on weather factors to the end of June and are expressed in terms of the long-time average yield per acre for each province. For Manitoba this average is 16 bushels, for Saskatchewan 15 bushels, and for Alberta 18 bushels per acre.

Precipitation data show that rainfall in Manitoba during May and June was two inches above normal while the preseasonal rainfall was about normal, making a generally satisfactory moisture situation in Manitoba. The position in Saskatchewan, taking in the three months April-June, was less favourable. Rainfall in this period was 1.4 inches below normal but the preseasonal precipitation was one inch above normal. Alberta's position in respect to April-June rainfall was the same as that of Saskatchewan but the preseasonal rainfall in Alberta was only 0.4 of an inch above normal.



1. Condition of Field Crops at June 30, 1943, as Compared with June 30, 1941 and 1942

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

Province and Crop	June 30			Province and Crop	June 30		
	1941 p.c.	1942 p.c.	1943 p.c.		1941 p.c.	1942 p.c.	1943 p.c.
<u>CANADA</u>				<u>NEW BRUNSWICK</u>			
Fall Wheat	86	103	82	Spring Wheat	97	99	
Spring Wheat <sup>1/</sup>	80	136	115	Oats	95	100	
All Wheat <sup>1/</sup>	80	135	114	Barley	96	99	
Oats	87	100	88	Beans	97	96	
Barley	89	100	89	Buckwheat	94	98	
Fall Rye	83	93	84	Mixed Grains	99	100	
Spring Rye	86	98	91	Potatoes	96	100	
All Rye	84	95	86	Turnips, etc.	94	98	
Peas	86	97	82	Hay and Clover	96	103	
Beans	89	93	77	Fodder Corn	96	96	
Buckwheat	85	97	90	Pasture	99	101	
Mixed Grains	84	97	76				
Flaxseed	87	94	91	<u>QUEBEC</u>			
Corn, Husking	89	88	76	Spring wheat	94	98	
Potatoes	93	97	89	Oats	96	100	
Turnips, etc.	87	94	87	Barley	94	99	
Hay and Clover	85	101	100	Spring Rye	94	100	
Alfalfa	82	102	93	Peas	97	99	
Fodder Corn	87	92	80	Beans	96	98	
Sugar Beets	98	96	86	Buckwheat	95	99	
Pasture	83	104	104	Mixed Grains	96	101	
				Potatoes	97	101	
<u>P. E. ISLAND</u>				Turnips, etc.	96	97	
Spring wheat	99	95	93	Hay and Clover	92	101	
Oats	98	91	91	Alfalfa	95	99	
Barley	97	93	94	Fodder Corn	94	99	
Buckwheat	94	93	96	Pasture	87	104	
Mixed Grains	97	93	91				
Potatoes	92	99	94	<u>ONTARIO</u>			
Turnips, etc.	95	89	97	Fall Wheat	86	103	
Hay and Clover	100	88	86	Spring Wheat	78	97	
Fodder Corn	97	96	88	All Wheat	85	103	
Pasture	103	93	86	Oats	77	96	
				Barley	79	94	
<u>NOVA SCOTIA</u>				Fall Rye	85	101	
Spring Wheat	98	98	82	Peas	81	96	
Oats	95	100	86	Beans	88	92	
Barley	96	97	81	Buckwheat	78	96	
Buckwheat	98	99	94	Mixed Grains	80	97	
Mixed Grains	91	100	81	Flaxseed	81	94	
Potatoes	95	101	84	Corn, Husking	89	88	
Turnips, etc.	97	97	89	Potatoes	86	94	
Hay and Clover	96	102	93	Turnips, etc.	80	93	
Fodder Corn	96	94	84	Hay and Clover	66	104	
Pasture	98	103	95	Alfalfa	77	106	
				Fodder Corn	84	91	
				Sugar Beets	97	99	
				Pasture	67	107	

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

1. Condition of Field Crops at June 30, 1943, as Compared with June 30, 1941 and 1942.  
(concluded)

Province and Crop	June 30			Province and Crop	June 30		
	1941 p.c.	1942 p.c.	1943 p.c.		1941 p.c.	1942 p.c.	1943 p.c.
<u>MANITOBA</u>				<u>ALBERTA</u>			
Spring Wheat 2/	121	129	144	Spring Wheat 2/	80	139	90
Oats	98	97	90	Oats	89	100	87
Barley	97	97	87	Barley	90	99	87
Fall Rye	100	98	84	Fall Rye	88	93	80
Spring Rye	95	97	87	Spring Rye	87	94	86
All Rye	99	98	84	All Rye	87	93	82
Peas	96	91	86	Peas	93	100	89
Buckwheat	95	91	85	Beans	90	92	84
Mixed Grains	97	94	89	Mixed Grains	89	98	85
Corn, Husking	-	89	74	Flaxseed	91	96	87
Flaxseed	97	93	91	Potatoes	93	95	89
Potatoes	97	94	83	Turnips, etc.	89	96	91
Turnips, etc.	95	93	85	Hay and Clover	83	95	93
Hay and Clover	105	99	95	Alfalfa	86	97	89
Alfalfa	101	95	91	Fodder Corn	87	81	76
Fodder Corn	96	91	79	Sugar Beets	98	96	94
Sugar Beets	101	91	83	Pasture	84	101	95
Pasture	108	104	102				
<u>SASKATCHEWAN</u>				<u>BRITISH COLUMBIA</u>			
Spring Wheat 2/	71	137	123	Spring Wheat	101	101	94
Oats	82	103	95	Oats	102	101	94
Barley	81	104	94	Barley	99	101	94
Fall Rye	75	91	86	Spring Rye	103	104	98
Spring Rye	82	100	94	Peas	103	99	95
All Rye	77	93	88	Beans	104	96	100
Mixed Grains	90	98	91	Mixed Grains	101	99	95
Flaxseed	83	94	92	Flaxseed	102	103	100
Potatoes	89	89	88	Potatoes	98	96	93
Turnips, etc.	87	91	87	Turnips, etc.	98	96	90
Hay and Clover	88	97	96	Hay and Clover	101	106	86
Alfalfa	92	84	88	Alfalfa	101	104	88
Fodder Corn	91	79	89	Fodder Corn	96	93	88
Pasture	83	102	98	Pasture	102	107	96

2/ Condition figures based on weather factors.

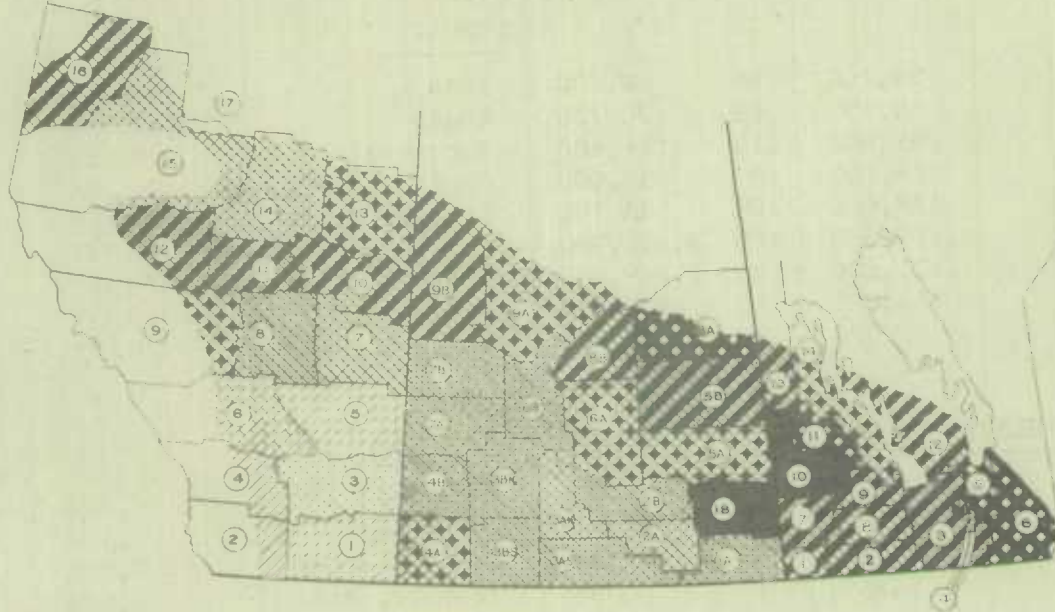
11. Areas of Late-Sown Crops and Hay, 1943, as Compared with 1942

Province and Crop	1942	Per Cent of 1942	1943	Province and Crop	1942	Per Cent of 1942	1943
	acres	p.c.	acres		acres	p.c.	acres
<u>CANADA</u>				<u>ONTARIO</u>			
Peas	90,100	92	82,800	Peas	34,000	76	25,800
Beans	80,400	88	70,730	Beans	62,000	85	52,700
Buckwheat	239,800	110	264,600	Buckwheat	126,000	117	147,000
Corn, Husking	358,000	87	313,000	Corn, Husking	258,000	92	237,000
Turnips, etc.	157,800	92	144,700	Turnips, etc.	57,700	83	47,900
Hay and Clover	9,707,000	100	9,698,000	Hay and Clover	3,105,000	98	3,043,000
Alfalfa	1,439,800	94	1,347,000	Alfalfa	763,000	94	717,000
Fodder Corn	484,800	90	435,400	Fodder Corn	300,000	90	270,000
Sugar Beets	63,300	90	56,800	Sugar Beets	20,700	51	10,500
<u>PRINCE EDWARD ISLAND</u>				<u>MANITOBA</u>			
Buckwheat	2,000	97	1,900	Peas	6,700	95	6,400
Turnips, etc.	13,400	100	13,400	Buckwheat	6,100	87	5,300
Hay and Clover	230,000	99	228,000	Corn, Husking	100,000	76	76,000
Fodder Corn	1,200	97	1,200	Turnips, etc.	3,000	89	2,700
<u>NOVA SCOTIA</u>				Hay and Clover	417,000	95	396,000
Buckwheat	2,700	90	2,400	Alfalfa	200,000	91	182,000
Turnips, etc.	14,100	95	13,400	Fodder Corn	50,000	84	42,000
Hay and Clover	390,000	95	371,000	Sugar Beets	15,000	110	16,500
Fodder Corn	1,200	92	1,100	<u>SASKATCHEWAN</u>			
<u>NEW BRUNSWICK</u>				Turnips, etc.	3,900	95	3,700
Beans	2,000	95	1,900	Hay and Clover	277,000	94	260,000
Buckwheat	24,000	88	21,100	Alfalfa	135,000	85	115,000
Turnips, etc.	15,400	96	14,800	Fodder Corn	19,400	89	17,300
Hay and Clover	506,000	99	600,000	<u>ALBERTA</u>			
Fodder Corn	2,600	90	2,300	Peas	16,000	106	17,000
<u>QUEBEC</u>				Beans	2,300	98	2,300
Peas	27,000	102	27,500	Turnips, etc.	4,400	99	4,400
Beans	13,500	98	13,200	Hay and Clover	463,000	98	454,000
Buckwheat	79,000	110	86,900	Alfalfa	220,000	94	207,000
Turnips, etc.	42,000	96	40,300	Fodder Corn	14,000	91	12,700
Hay and Clover	4,001,000	103	4,121,000	Sugar Beets	27,600	108	29,800
Alfalfa	52,000	100	52,000	<u>BRITISH COLUMBIA</u>			
Fodder Corn	92,000	92	84,600	Peas	6,400	96	6,100
				Beans	600	105	630
				Turnips, etc.	3,900	104	4,100
				Hay and Clover	218,000	103	225,000
				Alfalfa	69,800	106	74,000
				Fodder Corn	4,400	95	4,200



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

JUNE 30, 1943



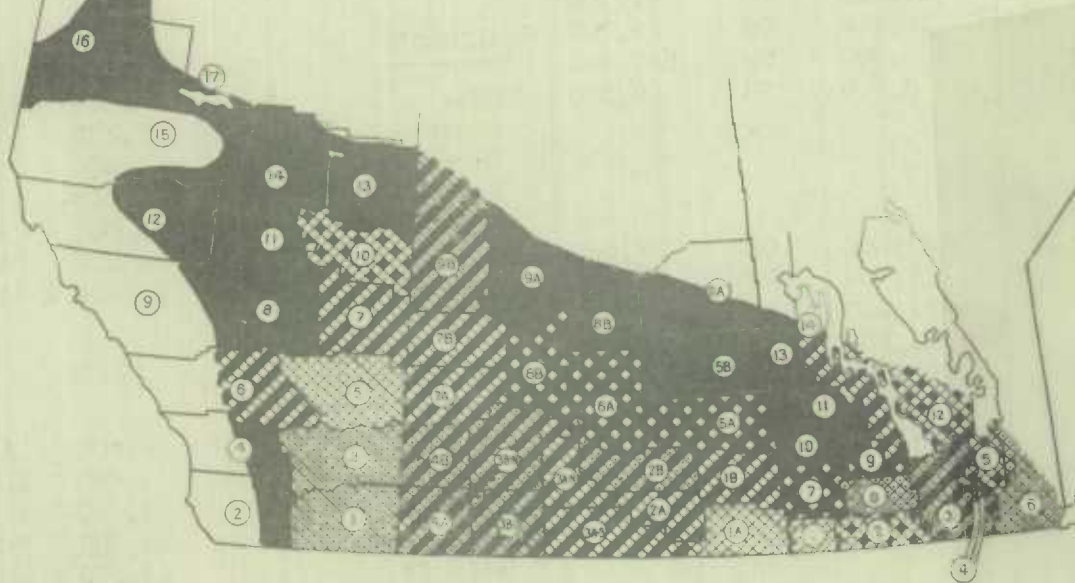
## LEGEND P.C. OF AVERAGE

40-49	[Stippled pattern]
50-59	[Diagonal lines, top-left to bottom-right]
60-69	[Diagonal lines, bottom-left to top-right]
70-79	[Cross-hatch pattern]
80-89	[Dense cross-hatch pattern]
90-99	[Dense stippled pattern]
100-109	[Dense cross-hatch pattern]
110-119	[Dense stippled pattern]
120-129	[Dense cross-hatch pattern]
130-139	[Dense stippled pattern]
140-149	[Dense cross-hatch pattern]
150 AND OVER	[Solid black]

Dominion Bureau of Statistics

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

JUNE 30, 1942



## LEGEND P.C. OF AVERAGE

80-89	[Stippled pattern]
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140-149	[Dense cross-hatch pattern]
150 AND OVER	[Solid black]

Dominion Bureau of Statistics

## Precipitation and Temperatures in the Prairie Provinces 1/

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending 8 a.m. July 12	
		8 a.m. July 12	since April 1	since April 1	Mean	Normal
Manitoba						
1	Pierson	.62	7.78	6.65	70	66
	Waskada	1.36	9.70	7.51	72	66
2	Boissevain	2.46	9.56	6.68	70	66
	Ninette	1.84	10.14	7.30	70	66
	Pilot Mound	3.20	10.11	7.79	72	66
3	Portage la Prairie	1.20	8.55	6.92	75	65
	Graysville	N.R.	8.89 2/	7.61	N.R.	67
	Morden	2.34	10.40	7.32	75	67
	Morris	.84	6.75	6.94	74	67
	Emerson	.38	5.48	6.49	76	67
4	Winnipeg	2.35	9.98	7.74	75	67
6	Sprague	N.R.	7.81 2/	7.65	N.R.	65
	Pinawa	.14	4.03	5.54	72	65
7	Virden	.74	8.45	6.16	72	63
	Rivers	1.86	7.74	6.95	72	64
8	Brandon	1.16	7.71	6.98	72	65
	Carberry	2.02	9.86	6.90	73	64
	Cypress River	2.02	9.49	6.83	72	66
9	Minnedosa	2.29	8.86	6.88	70	64
10	Russell	.48	6.22	6.59	71	63
	Birtle	1.08	7.16	6.76	70	63
11	Dauphin	.12	9.12	5.78	73	63
13	Swan River	.50	6.76	6.81	71	63
	The Pas	1.77	8.06	5.13	72	65
Manitoba Average		1.40	8.28	6.83	72	65
Saskatchewan						
1A	Estevan	.38	7.00	6.74	71	65
	Carlyle	1.04	5.27	7.12	69	63
1B	Broadview	.18	7.70	6.15	68	64
	Moosomin	.42	7.67	6.05	72	64
2A	Yellow Grass	.45	4.44	6.59	70	65
	Weyburn	.36	5.67	6.86	70	65
	Midale	.56	5.52	7.16	70	65
2B	Moose Jaw	.34	4.76	6.66	71	67
	Regina	.76	4.19	6.60	71	64
	Francis	.30	5.07	5.66	70	64
	Qu'Appelle	.32	7.01	7.78	69	65
	Indian Head	.29	4.67	7.60	70	64
3AN	Chaplin	.10	4.26	6.97	70	65
	Gravelbourg	.88	5.35	6.00	71	65
3AS	Assiniboia	.40	7.07	5.73	69	65
	Ceylon	.42	4.36	8.17	76	65
3BN	Pennant	nil	3.46	7.14	70	64
	Swift Current	trace	5.13	6.63	69	65
	Hughton	.10	3.96	6.06	69	63
3BS	Instow	N.R.	5.22 2/	5.85	N.R.	65
	Shaunavon	nil	4.02	5.64	69	63
	Cadillac	.04	5.52	8.01	68	64
	Val Marie	N.R.	3.74 2/	6.26	N.R.	65
	Aneroid	.26	5.35	6.80	78	64
4A	Maple Creek	.34	3.65	6.41	71	65
	Consul	nil	5.48	5.50	66	62
4B	Roadene	trace	2.91	6.07	70	63
5A	Leross	.34	3.11	6.72	69	67
	Hubbard	.10	3.52	6.21	69	62
	Yorkton	.02	4.02	6.33	71	62
5B	Foam Lake	.74	4.96	6.25	70	62
	Lintlaw	.36	3.33 2/	6.35	69	61
	Kamsack	.42	4.01	5.61	70	63
6A	Davidson	1.02	6.67	5.42	72	64
	Dilke	.26	2.84 2/	5.92	N.R.	-
	Nokomis	.32	4.28	4.93	70	62
	Semans	.64	3.68	4.29	72	62
	Strasbourg	.58	4.65	6.22	69	63
6B	Harris	.04	4.60	5.98	69	64
	Outlook	nil	4.16	4.24	71	64
	Saskatoon	.12	3.37	5.62	70	63
	Elbow	.09	5.04	5.54	72	64
	Dundurn	N.R.	2.95 2/	6.68	N.R.	64
	Tugaske	N.R.	5.13 2/	5.51	N.R.	64





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## Precipitation and Temperatures in the Prairie Provinces (concluded)

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending 8 a.m. July 12	Normal
		8 a.m. July 12	since April 1	since April 1	Mean	
Saskatchewan (concluded)						
7A	Kindersley	trace	3.43	5.09	67	63
7B	Macklin	.12	4.53	6.23	65	60
	Scott	.06	4.39	5.49	66	62
	Ruthilda	N.R.	4.80 2/	6.12	N.R.	-
	Biggar	.06	4.78	6.15	70	63
8A	Nipawin	.34	3.55	6.58	74	62
8B	Humboldt	.50	3.09	5.24	72	63
	Melfort	.10	4.11	5.78	71	63
9A	Rabbit Lake	.06	4.40 2/	5.99	64	61
	Prince Albert	.35	3.93	6.02	70	64
9B	Waseca	.16	5.17	5.97	64	61
	North Battleford	.29	4.89	5.98	68	65
	Loon Lake	.16	5.52	6.94	65	60
Saskatchewan Average		.29	4.66	6.20	70	63
Alberta						
1	Foremost	.18	3.59	7.59	69	65
	Medicine Hat	.03	1.84	5.58	70	67
	Manyberries	trace	3.84	5.72	68	66
2	Cowley	.35	4.72	7.26	67	59
	Macleod	.28	1.73	6.27	66	64
	Cardston	.20	5.56	9.63	65	64
	Lethbridge	.67	3.81	6.52	66	63
3	Vauxhall	.22	2.39	5.14	62	64
	Brooks	.28	2.58	5.27	66	63
	Empress	.06	2.13	5.99	69	66
4	High River	.08	4.05	7.85	N.R.	61
	Vulcan	.16	2.97	6.75	N.R.	-
5	Drumheller	.20	3.60	6.74	66	65
	Hanna	.14	3.44	7.30	62	61
6	Olds	.60	6.52	6.86	61	60
	Calgary	.10	5.23	7.31	63	60
	Three Hills	1.24	7.32	6.25	64	60
	Strathmore	.18	4.91	6.57	63	62
	Gleichen	.20	4.30	5.90	64	62
7	Viking	N.R.	7.56 2/	5.68	N.R.	60
	Sedgewick	.22	7.78	6.02	64	60
	Hardisty	.56	6.76	6.08	N.R.	-
	Coronation	.42	5.58	5.38	63	61
	Hughenden	.04	5.95	5.88	65	61
8	Red Deer	.29	4.03	8.48	61	59
	Lacombe	.24	5.38	7.29	62	60
	Wetaskiwin	.01	6.91	6.73	62	61
	Alix	.44	6.53	6.52	68	59
	Camrose	N.R.	8.29 2/	6.50	N.R.	61
	Stettler	.26	8.18	7.42	64	60
9	Jasper	.44	3.11	3.46	58	59
	Springdale	.26	5.61 2/	8.33	58	58
10	Vegreville	.42	7.12	7.42	64	60
	Lloydminster	.30	7.32	5.45	65	60
11	Calmar	.36	6.18	7.41	62	60
	Edmonton	.46	7.91	6.89	64	60
12	Edson	N.R.	8.03 2/	6.49	N.R.	58
13	Glendon	.56	6.17	6.01	62	61
14	Campsie	.32	7.03	6.87	60	60
	Athabaska	.16	4.76	6.08	64	60
15	High Prairie	.62	6.07	6.05	60	59
	Kinuso	N.R.	5.01 2/	5.96	N.R.	59
16	Beaverlodge	.30	7.41	5.03	58	60
	Fairview	.51	5.37	4.50	58	60
17	Keg River	.99	4.20	5.64	58	60
	Fort Vermilion	N.R.	1.91 2/	4.32	N.R.	61
	Fort McMurray	.15	5.05	5.17	64	62
	Fort Smith	.23	4.39	3.58	62	60
Alberta Average		.32	5.21	6.32	63	61

N.R. No Report.

1/ Source: Meteorological Service of Canada.

2/ Incomplete.