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no. 10

1946

July 3

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C. R. No. 8  
1946-47y Authority of the Hon. James A. MacK  
Minister of Trade and CommerceDOMINION BUREAU OF STATISTICS - CANADA  
AGRICULTURAL BRANCH

1010524805

\$2.00 per year

Dominion Statistician:  
Chief, Agricultural Branch:  
Grain Statistician:Herbert Marshall, B.A., F.S.S.  
J. B. Rutherford.  
W. D. Porter.TELEGRAPHIC CROP REPORT

Ottawa, July 3, 1946, 3 p.m. - The fourth of a series of 8 telegraphic reports covering crop conditions throughout Canada is issued today by the Dominion Bureau of Statistics. Included in this report is the seventh of a series of 15 telegraphic reports on crop conditions in the Prairie Provinces. A selected list of crop correspondents chosen from Dominion and Provincial Departments of Agriculture, private crop observers and grain men, supply the information on which these reports are based.

SUMMARY

Hot, dry weather in the Maritimes during the latter part of June has reduced the hay crop and pastures are becoming short. The grain and potato crops are still promising but the early strawberry crop has been reduced. The prospects for apples are still good.

Reports from Quebec stress the seriousness of crop conditions owing to continued drought and the intense heat of the last week of June. Hay yields are well below normal and pasture conditions have deteriorated seriously. This is evident in a decrease in milk production. In order to relieve the situation in some areas hay fields are being used for pasture purposes. All crops are affected by these conditions and fruit crops will yield appreciably below last year's production.

Following the cool weather of May and the first two weeks in June, Ontario crop prospects were materially improved by warm weather at the end of the month which brought fodder and grain crops along rapidly. Storm damage in south-western Ontario does not appear to have been as severe as earlier reports indicated. Haying has started but difficulty is being encountered in taking off the crop through shortage of labour. General crop prospects are favourable and fruit production is expected to be well above last year.

Generally fair to good conditions have been maintained in the Prairie Provinces over the past week with timely rains falling in many areas where relief was urgently required. Average precipitation since April 1 as compared with normal has improved in all provinces, while temperatures for the week ranged from 3 to 8 degrees below normal. Moderate rainfall and good growing weather over the next four weeks should assure at least an average crop in western Canada this season.

In Manitoba most early-seeded crops have now headed but general rains are required soon. The corn crop is slow and sunflowers are only fair. The outlook for sugar beets and pastures is improved but the hay crop will evidently be light. Hail storms have occurred in one or two local areas. No further insect infestations have been reported this past week. Fairly good general rains, particularly in the southern and western districts of Saskatchewan, have improved top-soil moisture conditions. Early-sown crops in south-central and south-western portions of the province are patchy and uneven as a result of unfavourable conditions earlier in the season. Late-sown stands of grain in these areas, however, are reported as good. Reports from the Swift Current, Indian Head and Scott areas are moderately optimistic but due to the low level of moisture reserves considerably more rainfall will be required to bring all crops along to maturity in a satisfactory condition. Crop prospects in Alberta continued very promising during the past week, with general precipitation throughout the province maintaining the favourable moisture conditions of the past few weeks. Wheat averages ten to twelve inches in height and most of the crop is in the shot blade. Coarse grains are up eight inches. Only slight hail damage was reported and there has been no change in the insect situation over the week.

In British Columbia cool weather with abundant rainfall has favoured the growth of most crops. Heavy mixed hay and alfalfa crops are looked for but haying has been delayed by frequent rains which may result in some loss. Stands of both fall and spring grains are excellent and all fruit crops are developing well with large crops in prospect.



Maritime Provinces - High temperatures have prevailed in Nova Scotia during the latter part of June and only one inch of rain fell during the month. The hay crop is decidedly light this year and pastures are failing somewhat. Grains, potatoes and vegetables, however, are showing good prospects. The apple crop is very promising and scab has not spread to any extent. The early crop of strawberries has been much reduced by hot, dry weather but late varieties are still good. The weather in New Brunswick has been hot and dry and all crops have been affected, particularly hay, pastures and strawberries. The potato and grain crops have suffered least but late-sown root crops have germinated poorly. The apple crop was promising but the drought may affect the yields. Rain in Prince Edward Island on June 18 was very beneficial, but more rain is required. Hay prospects are fair and pastures have been dry during late June. Grain, potatoes and roots are promising and tree fruits have set well.

Quebec - The intense heat of the last week of June and lack of rainfall caused further deterioration in crop conditions in Quebec. Forage crops, cereals and vegetables have all suffered from one of the most severe droughts in the history of the province. Prospects for the hay crop are relatively poor and very little grass is available in pastures. The effects are evident in a drop in milk production as compared with the 1945 season. In some districts hay fields have been used as pastures to maintain milk production. The fruit crop has also been affected by the dry weather and heat. Some precipitation over the last week-end improved prospects in isolated areas but general conditions are unfavourable.

Ontario - Following cool weather conditions through May and part of June warmer weather in the last week of the month promoted rapid growth and crop prospects were improved, particularly in the case of late crops. In south-western Ontario the heavy storms of the third week in June in Essex and Kent Counties caused damage but it now appears that the destruction was not as great as earlier reported. The harvesting of early tomatoes and potatoes has commenced and haying operations are well under way. Fruit crop prospects are considerably brighter than last year. In eastern Ontario haying is under way but progress in operations is delayed by lack of help. The warm weather has promoted growth of fodder and prospects for the silage corn crop are good. Rains over the week-end afforded some relief to pastures and alfalfa, clover and timothy crops, but should hot weather continue, further moisture supplies will be necessary to maintain pastures and crops. Prospects for potatoes are very good.

Manitoba - Fairly good general rains have again relieved the situation in Manitoba where most early-seeded crops, especially wheat are now headed. Flax fields are flowering but many stands are only a few inches in height. Further rains would be of benefit. The corn crop is very backward and requires warm weather. Sunflowers are only fair but the sugar beet outlook is much improved with thinning nearing completion. Hay appears to be mostly light but pastures have improved.

A timely rain of .83 of an inch in the Morden area has revived cereal crops which were deteriorating rapidly last week. If further moisture should be received at intervals crop yields should be fair. Grass and hay crops are light but intertilled crops are good with pastures improved. A good rain in the south-western portion of the province has also improved conditions materially. It is estimated that earlier lack of moisture has caused 25 per cent deterioration in this area, but wheat on well worked summerfallow, and flax have held up well. Gardens are improved but wild hay is scarce.

Weather in the Brandon area has been suitable for growth during the past week, with light rains helping the situation. It is feared, however, that relief has come too late this year to make a heavy crop. Crops on summerfallow are much improved but stubbled-in crops will be light. A good rain on June 29 was of great benefit to all crops in the Woodnorth area where early-sown wheat is now heading, with germination on later-sown fields showing improvement. Gardens are only fair. Conditions on the Portage Plains are deemed generally fair to good.

In the north-central portion of the province more rain fell during the last week and conditions of grain and pastures have improved greatly. The present supply of moisture should be sufficient for about two weeks. Early wheat is heading with early oats and barley in the shot blade. Swan River in the north-west reports all grain crops good with perhaps 5 per cent loss by root rot. Gardens have been somewhat damaged by cutworms and hay crops are average. Condition of rye is very good and wheat is up 18 inches. Moisture is plentiful and live stock are in good condition.

Light to heavy hail damage has been reported from Rathwell and Treherne. Average precipitation for the province since April 1 has been 33 per cent below normal as compared with 46 per cent below normal a week ago and mean temperature for the week ending July 1 was 3 degrees below normal.



Saskatchewan - Good to fair growth is reported in most districts with top-soil moisture conditions having been improved by light to heavy rains in many regions in the southern part of the province. In south-central, south-western and in the southern portion of the Regina-Weyburn district early-sown crops are patchy and uneven but growth and stands of late-sown grains are reported good. In all districts further good rains are required to carry the crop. About 45 per cent of the wheat is in the shot blade stage and in some areas will head out at short height due to poor germination and moisture deficiencies. Rye has headed out and is reported in good condition. Stands and growth of field peas in the north-eastern area are reported fair. Live stock and pastures generally are fair to good.

Crops in the south-eastern section of the province are in a healthy condition following a heavy rain over the week-end. Continued fair weather with moderate rainfall could make an above-average crop in this area. Summerfallowing is well advanced and gardens are much improved. Yellow Grass, in Crop District 2A, reports early wheat heading and oats and barley coming along well. Flax is generally poor and some is being ploughed under. Pasture and hay crops need more moisture immediately. The Dominion Experimental Farm at Indian Head reports that light showers from the 27th to the 29th of June greatly improved grain, hay and pastures in that district. Early-sown wheat is mostly in the shot blade or already headed. With satisfactory conditions prevailing for the remainder of this month the latest rains should assure a fair crop in this area. 2-4-D spraying for mustard control has proven very effective on fields in the Indian Head and Regina districts.

The Dominion Experimental Station at Swift Current reports that hot weather and sufficient moisture for immediate needs have resulted in the improvement of all crops. Weed growth in many fields, however, is a most serious factor, due to the slow start of the grain crops. Prospects at present are for an average or better-than-average crop in this area. Our correspondent at Willowbrook, in the east-central portion of the province, reports that crops are very good as a result of the recent rain. Fifty per cent of the grain is in shot blade with some wheat heading out. Prospects here are good with no damage of any kind being reported. The Dominion Experimental Station at Scott reports that all of west-central Saskatchewan north and west of the South Saskatchewan River received rains of varying intensity during the past week. Heavy rains were received in the heavy-soil areas of the region where early-sown wheat is now headed. Flax acreage appears to be definitely lower than anticipated as little additional acreage was seeded after the rains started.

The Dominion Experimental Station at Melfort in the north-east reports .93 of an inch of rain since the last report. It is considered that this rain will help the situation for a short time. Early wheat is in shot blade but only about 6 inches above ground on summerfallow. Crop prospects at Tisdale and Carragana are good with over half an inch of rain falling during the week. Wheat has stooped heavily with 50 per cent in shot blade and early fields heading. Coarse grains are growing rapidly, averaging 8 inches in height with a small percentage in shot blade. Hay and pastures are fair to good with first work on summerfallow being almost completed. Our correspondent at Prince, in the extreme north-west, reports that crops are heavy and look well at this date, but rain is needed badly in the near future. Early-sown fields are heading out at an average height of 16 inches.

Scattered hail losses ranging from 30 to 100 per cent are reported at Lafleche and Delisle from a storm on June 25. A hail storm occurred at Gull Lake on June 27, but the extent of the damage has not yet been determined. No reports have been received concerning insect damage in the province over the past week. Average precipitation for the province since April 1 has been 26 per cent below normal as compared with 28 per cent below normal a week ago. Mean temperature for the week ending July 1, was 6 degrees below normal.

Alberta - Precipitation was general throughout Alberta during the past week with the exception of some areas in the south-east. Good showers occurred in the central and northern districts with fairly heavy rains falling in many areas. Crop conditions continue to be very satisfactory and moisture supplies are generally adequate.

Very little rainfall was received in the south-east but crops and grasses are growing well, with moisture reserves sufficient to carry the crop for another week if cool weather prevails. Haying has commenced in the Manyberries area and first cutting of alfalfa is fair to good. Live stock are in good condition and prospects for winter feed are reported slightly better than average.



In the south-west crop conditions are good although grains in some areas are later than usual and warmer weather is needed. Sugar beet thinning has been completed and a normal crop is expected. Fall wheat and fall rye are headed and the crop is promising.

Moisture supplies in the central districts of the province are very good and for the present are adequate to support the generally heavy stands of wheat. In the Calgary area both wheat and coarse grains show a heavy stand and the need of warm dry weather is reported. From Donald, fall wheat is reported full head and fall wheat and fall rye are expected to be average crops. A slight trace of frost damage was evident in the Edmonton area during the week.

Scattered showers in the Peace River district carried crops satisfactorily during the week but in some places conditions are becoming dry. Early wheat and barley are reported heading out. Frost touched some gardens but no injury to grains was evident at the time of reporting.

Slight hail storms occurred during the week in the Cardston, Walsh, Wayne and Red Willow districts. No change in the insect situation is indicated from the last report.

Average precipitation for the province since April 1 has been 3 per cent below normal as compared with 6 per cent below normal a week ago. Mean temperature for the week ending July 1 was 8 degrees below normal.

#### British Columbia

The weather has been generally cool during the past two weeks and there has been abundant rainfall. Growth on the whole has been excellent but higher temperatures are required for some crops. Alfalfa and mixed hay stands are heavy but haying has been delayed by the damp weather. If the rains continue there will be a considerable loss. Winter wheat and rye show heavy stands and are now in or past the blossom. Spring grains are also developing well. The cool showery weather has favoured the development of all fruit crops and damage from insects has been less serious than usual. Picking of strawberries is about completed and harvesting of raspberries is now general.

Precipitation and Temperatures in the Prairie Provinces 1/

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending 8 a.m. July 1, 1946	Normal
		8 a.m. July 1, 1946	Since April 1	Since April 1	Mean	
Manitoba						
1	Pierson	.93	3.34	5.84	61	63
	Waskada	N.R.	2.20	2/ 6.46	N.R.	64
2	Boissevain	1.46	3.50	5.87	61	64
	Ninette	1.26	4.52	6.46	60	64
	Pilot Mound	1.36	4.00	6.76	61	65
3	Portage la Prairie	1.08	3.23	5.95	63	64
	Graysville	1.50	4.44	6.56	66	64
	Morden	.80	2.49	6.34	N.R.	65
	Morris	2.01	3.84	5.96	62	65
	Emerson	2.54	5.36	5.49	64	65
4	Winnipeg	1.33	3.84	6.61	64	65
6	Sprague	1.76	6.56	6.55	60	63
	Pinawa	1.32	2.44	4.67	60	63
7	Virden	.42	3.12	5.31	61	62
	Rivers	.34	3.44	5.96	61	63
8	Brandon	.37	2.67	2/ 6.01	61	63
	Cypress River	.56	3.01	5.87	62	64
9	Minnedosa	.42	4.03	5.92	58	63
	Neepawa	.43	3.95	2/ 5.92	60	63
10	Russell	.86	3.68	5.67	N.R.	61
	Birtle	.81	4.96	5.69	59	61
11	Dauphin	1.50	5.15	4.86	57	62
12	Gimli	.76	2.76	6.58	61	63
13	Swan River	.26	4.47	5.72	54	60
	The Pas	1.17	3.89	4.28	54	62
Manitoba Average		1.05	3.91	5.89	60	63
Saskatchewan						
1A	Estevan	.42	4.66	5.99	61	63
	Carlyle	.98	3.00	6.15	57	61
1B	Broadview	.56	3.64	5.19	57	62
	Moosomin	.53	4.07	5.33	N.R.	62
2A	Yellow Grass	.53	2.87	5.73	N.R.	63
	Midale	.66	4.10	6.17	58	63
2B	Moose Jaw	.32	3.56	5.78	56	64
	Regina	.50	4.92	5.65	55	62
	Francis	.84	4.11	4.86	54	62
	Qu'Appelle	.54	5.13	6.74	56	62
	Indian Head	.66	4.00	6.55	56	61
3AN	Chaplin	.48	2.91	6.12	56	64
	Gravelbourg	.30	3.28	5.37	52	63
3AS	Assiniboia	.32	4.50	4.98	55	64
	Ceylon	.90	6.24	7.16	57	63
3BN	Pennant	.42	2.88	6.36	57	62
	Swift Current	.88	3.80	5.69	55	64
	Hughton	N.R.	3.42	2/ 5.36	N.R.	61
3BS	Instow	.62	2.97	5.07	56	62
	Shaunavon	.08	3.34	4.79	58	62
	Cadillac	.06	2.64	7.27	57	62
	Val Marie	.24	3.16	5.38	58	63
	Aneroid	.06	2.63	6.05	N.R.	62
4A	Maple Creek	N.R.	3.06	2/ 5.52	N.R.	62
	Consul	.16	2.70	4.87	54	60
4B	Roadene	.60	3.48	5.36	56	61
5A	Leross	.76	5.60	5.81	51	60
	Hubbard	1.26	5.22	5.22	52	59
	Yorkton	.67	3.53	5.35	56	61
5B	Dafoe	.49	4.12	5.13	53	60
	Foam Lake	1.20	4.61	5.37	54	60
	Lintlaw	.80	3.08	5.37	50	59
	Kamsack	.41	3.02	4.60	55	60
6A	Davidson	.74	4.32	4.74	54	62
	Dilke	N.R.	2.02	2/ 5.17	N.R.	N.R.
	Nokomis	N.R.	2.12	2/ 4.18	N.R.	60
	Semans	.48	4.20	3.68	54	60
	Strasbourg	.42	4.92	5.42	52	61
6B	Harris	1.04	3.92	2/ 4.99	62	61
	Outlook	.51	4.31	3.63	56	62
	Saskatoon	.84	2.91	4.68	53	61
	Elbow	.46	4.25	4.81	56	62
	Dundurn	.60	2.64	5.76	54	62
	Tugaske	.48	4.19	4.81	50	62
7A	Kindersley	.56	3.27	4.26	N.R.	59
7B	Macklin	.86	5.22	5.40	52	58
	Scott	.24	3.56	4.61	50	60
	Ruthilda	1.34	5.06	2/ 5.21	N.R.	N.R.
	Biggar	.96	3.48	5.14	54	61



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

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending	Normal
		8 a.m. July 1, 1946	Since April 1	Since April 1	8 a.m. July 1, 1946 Mean	July 1, 1946 Normal
Saskatchewan (continued)						
8A	Nipawin	.92	4.68	5.71		60
	Hudson Bay Junction	1.27	4.52	5.25		61
8B	Humboldt	.71	3.97	4.44		60
	Melfort	.35	2.40	4.75		61
9A	North Battleford	.46	4.77	5.12	54	53
	Rabbit Lake	.20	4.54	4.97	52	61
	Prince Albert	.29	3.26	5.12	52	62
9B	Waseca	.58	4.48	5.12	52	59
	Loon Lake	.92	6.21	5.88	48	59
	Island Falls	1.29	4.23 2/	4.99	52	61
Saskatchewan Average		.61	3.92	5.32	55	61
Alberta						
1	Foremost	.12	4.99	6.86	54	67
	Medicine Hat	.16	4.34	4.83	57	64
	Manyberries	Nil	5.13	5.06	56	65
2	Cowley	.31	8.52	6.62	50	59
	Macleod	.10	8.55	5.44	55	64
	Cardston	.40	5.20	8.69	53	63
3	Lethbridge	.05	6.36	5.76	54	63
	Vauxhall	.92	3.98 2/	4.46	54	64
	Brooks	1.05	4.38	4.57	56	65
4	Empress	.30	2.58	5.17	58	66
	High River	N.R.	8.80 2/	7.16	N.R.	59
	Vulcan	1.04	6.01	5.88	N.R.	N.R.
5	Drumheller	.54	4.09	5.85	54	64
	Hanna	.84	5.58	6.25	52	64
6	Olds	.50	6.79	6.04	52	58
	Calgary	1.11	5.96	6.31	52	59
	Three Hills	.46	5.32	5.54	53	58
7	Strathmore	1.20	4.20	5.86	52	59
	Gleichen	1.66	3.70 2/	5.07	54	59
	Viking	N.R.	7.14 2/	4.98	N.R.	58
8	Sedgewick	N.R.	4.72 2/	5.02	N.R.	58
	Hardisty	.98	6.29	4.90	N.R.	N.R.
	Coronation	.80	6.01	4.65	51	60
9	Hughenden	.88	5.94	4.98	52	63
	Red Deer	.68	7.72	7.35	51	58
	Lacombe	.72	5.26 2/	6.26	52	59
10	Wetaskiwin	1.78	7.38	5.70	50	59
	Camrose	1.04	6.38	5.54	50	60
	Stettler	.88	7.54	6.43	49	58
11	Jasper	.62	3.26	2.99	51	57
	Rocky Mountain House	.74	10.10	6.69	50	57
	Springdale	N.R.	6.92 2/	7.05	N.R.	57
12	Vegreville	1.00	6.48	6.25	52	58
	Vermilion	.86	5.67	5.65	50	59
	Lloydminster	.71	4.60	4.57	51	59
13	Calmar	1.08	7.83	6.31	50	59
	Edmonton	2.08	6.29	5.71	51	59
	Whitecourt	.61	5.08	5.65	49	59
14	Edson	1.16	8.44	5.37	49	57
	Glendon	N.R.	4.75 2/	5.06	N.R.	58
	Campsie	.86	4.93	5.72	48	59
15	Athabaska	1.38	4.71	5.08	50	59
	Lac La Biche	.86	4.89	5.25	50	59
	High Prairie	1.20	2.38	4.88	57	59
16	Kinuso	N.R.	.34 2/	5.04	N.R.	59
	Wagner	.71	2.67	5.17	50	59
	Beaverlodge	.76	2.99 2/	4.28	54	58
17	Grande Prairie	.47	2.72	5.07	54	58
	Fairview	.21	1.99	3.93	53	58
	Keg River	Nil	3.43	4.83	54	59
18	Fort Vermilion	.04	1.84	3.61	56	59
	Fort McMurray	.42	3.31	4.12	49	60
	Embarras	.02	2.39	2.86	52	61
19	Fort Smith	.20	3.13	2.99	52	58
	Fort St. John	.49	3.24	5.09	56	60
Alberta Average		.73	5.21	5.39	52	60

N.R. No Report. 1/ Source: Meteorological Service of Canada.

2/ Incomplete: Figures not included in average.