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Crop Reporting Series - No. 11

TELEGRAPHIC CROP REPORT - PRAIRIE PROVINCES

This is the seventh of the 1964 series of eleven telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions in the Prairie Provinces. A selected list of crop correspondents chosen from the Federal and Provincial Departments of Agriculture, private crop observers and grain men supply the information on which these reports are based. The weather data included in this release are furnished by the Meteorological Division, Department of Transport.

Advanced Preliminary Estimates of Specified Crop and Summerfallow Acreages, Prairie Provinces, 1964

Advanced preliminary estimates for the Prairie Provinces of acreages seeded to all types of wheat, durum wheat, oats, barley, rye, flax and rapeseed and acres in summerfallow in 1964 appear on Page 2 of this report. Changes may have to be made in these estimates when tabulation of all returns is completed. The regular acreage report for crops seeded by provinces will be released on August 7.

The estimates published in the accompanying report are based on returns from the Dominion Bureau of Statistics' annual June 1 Survey. Agricultural statisticians in each of the provinces have co-operated in determining the estimates.

The advanced preliminary estimate of all classes of wheat for the Prairie Provinces in 1964 is 29,080,000 acres, an increase of 8 per cent over 1963 and an increase over the 1952-61 average of 24 per cent. Acreage seeded in Saskatchewan at 19,200,000 is an all-time record for that province, exceeding the previous record of 17,910,000 established in 1963 by 7 per cent and is 24 per cent higher than the ten-year average of 15,435,100. Manitoba's acreage of 3,385,000 was exceeded by a small margin in 1940 and in 1921, while the Alberta acreage of 6,495,000 still is well below the peak of 8,667,000 established in 1940. The Prairie Provinces total for 1964 ranks well above the previous record of 1940 when 27,750,000 acres were sown.

Included in the all wheat estimate are 1,887,000 acres of durum wheat, sowings of which decreased 13 per cent from the 1963 total of 2,170,000 acres, but they are still well above the 1952-61 average of 1,114,900 acres.

The acreage seeded to fall and spring rye at 619,900 in 1964 is 6 per cent greater than in 1963. (continued on page 3).

Prepared in the Crops Section, Agriculture Division

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Preliminary Estimates of Crop and Summerfallow Acreages
1964 with Comparisons - Prairie Provinces

Crops	Average 1952-61	1962	1963	1964	1964 as % of 1963
acres					
%					
<u>PRAIRIE PROVINCES</u>					
Wheat (incl. durum) ..	23,448,400	26,237,000	26,996,000	29,080,000	108
Oats	7,788,800	8,559,000	7,385,000	6,544,000	89
Barley	8,018,500	5,097,000	5,922,000	5,217,000	88
Fall rye	461,200	459,000	484,000	519,000	107
Spring rye	209,200	97,300	98,800	100,900	102
All rye	670,500	556,300	582,800	619,900	106
Flaxseed	2,044,800	1,396,000	1,629,000	1,855,000	114
Rapeseed	350,800(1)	371,200	478,000	699,800	146
Summerfallow	25,151,000	27,495,000	27,211,000	26,375,000	97
<u>MANITOBA</u>					
Wheat (incl. durum) ..	2,414,500	3,042,000	3,153,000	3,385,000	107
Oats	1,690,800	1,974,000	1,742,000	1,764,000	101
Barley	1,651,300	629,000	584,000	497,000	85
Fall rye	76,000	116,000	104,000	146,000	140
Spring rye	9,000	3,000	3,000	3,000	100
All rye	85,000	119,000	107,000	149,000	139
Flaxseed	612,900	667,000	820,000	984,000	120
Rapeseed	17,900(2)	32,200	45,000	69,800	155
Summerfallow	3,122,000	3,165,000	3,260,000	2,880,000	88
<u>SASKATCHEWAN</u>					
Wheat (incl. durum) ..	15,435,100	17,388,000	17,910,000	19,200,000	107
Oats	3,210,300	3,277,000	2,619,000	2,040,000	78
Barley	2,941,500	1,629,000	1,930,000	1,400,000	73
Fall rye	251,100	215,000	206,000	216,000	105
Spring rye	158,200	64,100	69,400	73,000	105
All rye	409,400	279,100	275,400	289,000	105
Flaxseed	1,037,900	389,000	506,000	521,000	103
Rapeseed	263,200(2)	167,000	210,000	262,000	125
Summerfallow	14,899,000	17,081,000	16,898,000	16,815,000	100
<u>ALBERTA</u>					
Wheat (incl. durum) ..	5,598,800	5,807,000	5,933,000	6,495,000	109
Oats	2,887,700	3,308,000	3,024,000	2,740,000	91
Barley	3,425,700	2,839,000	3,408,000	3,320,000	97
Fall rye	134,200	128,000	174,000	157,000	90
Spring rye	42,000	30,200	26,400	24,900	94
All rye	176,200	158,200	200,400	181,900	91
Flaxseed	394,000	340,000	303,000	350,000	116
Rapeseed	99,600(3)	172,000	223,000	368,000	165
Summerfallow	7,130,000	7,249,000	7,053,000	6,680,000	95

(1) Composed of 10 year 1952-61 average in Manitoba and Saskatchewan and 7 year 1955-61 average in Alberta.

(2) 1952-61 average.

(3) 1955-61 average.

Preliminary Estimate of Durum Wheat Acreages
1964 with Comparisons - Prairie Provinces

Province	Average 1952-1961	1962	1963	1964	1964 as % of 1963
		acres			%
Manitoba	68,000	161,000	140,000	120,000	86
Saskatchewan	883,000	2,897,000	1,796,000	1,540,000	86
Alberta	163,900	371,000	234,000	227,000	97
Prairie Provinces	1,114,900	3,429,000	2,170,000	1,887,000	87

The acreage seeded to oats for all purposes for the Prairie Provinces in 1964 is estimated at 6,544,000 acres, an 11 per cent decline from 1963 and 16 per cent lower than the 1952-61 average. Barley acreage in 1964 at 5,217,000 is 12 per cent smaller than in 1963 and is 35 per cent less than the ten-year average.

Flaxseed acreage, estimated at 1,855,000, is 14 per cent larger than was seeded in 1963 but is 9 per cent below the ten-year average. Rapeseed acreage of 699,800 shows an increase of 46 per cent over the 1963 total and is 99 per cent larger than the ten-year average of 350,800 acres.

Summerfallow acreage at 26,375,000 is 3 per cent below the 1963 total but is 5 per cent above the 1952-61 average of 25,151,000.

S U M M A R Y

Prairie Provinces Only scattered showers were received in the Prairie Provinces during the past week and temperatures were well above normal. Crops in southern districts of all three provinces are developing well and prospects remain favourable in these areas. Favourable conditions also prevail in western Alberta and the Peace River area. Showers have provided some relief to dry conditions in northwestern districts of Manitoba and in the northeastern region of Saskatchewan, but drought still persists in large areas of central and north-central Saskatchewan. Here, prospects are poor for both field crops and fodder. Variable conditions obtain in northwestern and west-central Saskatchewan and adjacent districts in Alberta.

Manitoba Crops are good in most southern areas of Manitoba and fair elsewhere. Scattered showers were received during the past week but more rain is needed especially in northern districts. Early cereal crops are headed and late-sown fields are in the shot blade. Late crops are uneven in growth but all crops are deep rooted due to the previous dry weather. Fields are more weedy than usual because they were not sprayed. Half the flax is in bloom. Severe losses of flax have occurred in the southern part of the Red River Valley, due to excess moisture. Haying is now general and below normal yields are being obtained, especially in the northwest where there is a shortage of fodder. Rye is turning colour, and corn and sunflowers are two feet in height, but behind schedule. Sugar beets are variable. Rapeseed, field peas and mustard seed are in bloom.

Saskatchewan Although recent scattered showers in Saskatchewan have maintained or improved prospects at many points, wide areas in central and northern districts urgently need rain to prevent rapid deterioration. Crop prospects continue

favourable in southern and east-central districts. General rains are needed in central, west-central and northern areas. Conditions are variable over a wide area extending from Prince Albert through Chamberlain to the Alberta border, and crop prospects are poor in the Prince Albert, Duck Lake and Biggar-Rabbit Lake regions. The most favourable areas are located in the southeastern and southwestern parts of the province.

Alberta Crop prospects are generally good in southern, western and Peace River regions of Alberta. Stands are reasonably good in east-central areas, but moisture supplies are dwindling and heat is causing deterioration. Showers have brought relief to some localities in northeastern districts but crops are still suffering from lack of moisture. Points on the eastern border are the hardest hit. Early-seeded crops on summerfallow are holding remarkably well and fertilized crops also have an advantage. A general rain would be welcome in all areas south of the Peace River. Haying is progressing favourably and although the quality is good yields are extremely light. Pastures are in poor condition.

MANITOBA

In the southeast corner of Manitoba at Vita haying is in full swing. Crops are uneven and patchy due to heavy precipitation received during June. Approximately 20 per cent is in the shot blade stage or headed and about 15 per cent of the seeded acreage has or is being summerfallowed. As much as 75 per cent of the field crop area has not been sprayed for weeds due to wet fields. In the Altona district most cereals are in head except the late fields. Early-sown flax is in full bloom. Beet thinning has been completed and sunflowers and corn are coming well but are ten days behind average. Field peas are in full bloom and promise an excellent crop. Haying is being delayed by scattered showers but will mostly be completed by the end of this week. Most potatoes are not yet in bud. The wheat stem maggot is above average in incidence and aster yellows are noted in most flax fields. Good rains are needed. Hot weather with fair moisture has prevailed at Morden. Cereal crops are headed and haying is in full swing. The clover stands are excellent but other hay is only fair. Harvesting of canning peas has started at Morden and Winkler and harvesting of early potatoes should begin next week. Buckwheat seeding has been completed and most fields have germinated.

In the south-central part of the province at Pilot Mound haying operations are now in full swing. Early-seeded cereals and special crops look excellent but some late-seeded flax stands are poor. Pastures are good and corn is progressing well, but slowly. At Somerset haying is also in full swing and yields are fairly good. Wheat is in excellent condition and heading out. Late fields, especially oats and flax, are weedy and patchy. The warm weather is helping crops along and moisture reserves are good. Farther west, at Melita, crop conditions are also good and moisture supplies are adequate. From one-half to one and one-half inches of rain were received during the last week. Rye is in the late dough stage while early wheat has headed. Rust spores are appearing on oat and wheat leaves.

Our correspondent from Portage la Prairie reports that growing conditions continue to be favourable and that most field crops have headed. Second growth in flax continues to be a problem. Sugar beets have been delayed because it was impossible to hoe them during the previous wet weather. Grasshoppers continued to be a major threat to crops in the southwest part of the district.

The Experimental Farm at Brandon reports that cereal crops give promise of average yields. Early crops are filling well and the warm weather of the past few days is bringing late-sown crops rapidly into head. Moisture supplies are good and disease is minimal. There is some danger of lodging of crops due to rank growth. Haying has been resumed after a period of wet weather. Pastures are good. In the Virden district cereal crops are also progressing very well despite their rough appearance due to poor germination. Flax crops are very good and rye is filling well with promising yields. Forage operations are general throughout the areas and feed supplies are adequate.

In the west-central part of the province at Neepawa many cereal crops are heading very quickly. Moisture is now normal but more will be required in a week's time. Haying will be general in ten days and below average yields are expected. Heavy rains have greatly added to moisture reserves at Minnedosa. Some soil erosion occurred in parts of the area. Wheat is 15 to 25 per cent headed. Haying operations have been slow due to wet weather.

In northern Manitoba at Swan River about one-third of an inch of rain fell during the past week and high temperatures have brought crops along fast. Wheat is heading but will require additional moisture for filling. Mustard seed is in full bloom. There is a hay shortage in this area but if rains continue the second cut may relieve the situation.

Hail storms were reported in Manitoba on July 5 in the Birtle and McCauley areas. The Entomological Laboratory at Winnipeg reports that the grasshopper infestation is unchanged from the last report. Populations are now largely in the adult stage. Egg laying is expected to commence in a week to ten days. Control measures are virtually at a standstill. There is a widespread infestation of spider mites in some parts of the Red River Valley. Leaves of flowering wheat are most affected although light infestation was observed in barley and rye. Prolonged, humid conditions in Manitoba during the first two weeks of July may have some bearing on the outbreak of this leaf disease.

Average unweighted precipitation for the province since April 1 has been 18 per cent above normal as compared with 20 per cent above normal a week ago, 19 per cent above normal two weeks ago and 37 per cent above normal a year ago. Mean temperature for the week ending July 13, 1964 was 1.8 degrees above normal compared with 0.1 degree above normal a week ago, 4.8 degrees above normal two weeks ago and 0.9 degrees above normal for the week ending July 15, 1963.

SASKATCHEWAN

In the Willmar district in the southeast part of Saskatchewan crops are good except for some parts of the district which have been missing the rains. More moisture will be needed soon to fill the crop which is now 90 per cent headed. Farmers are putting up a good crop of hay. Summerfallows are in good shape and although a few grasshoppers are evident these insects are doing very little damage. The Experimental Farm at Indian Head reports that no precipitation has been received in the area since July 5. Temperatures have reached 80 to 90 degrees every day and although the crop is standing up extremely well rain will be needed within the next few days to prevent deterioration of the heavy growth. All crops are well headed out. No damage from grasshoppers is anticipated. Hay crops are short and light but the weather has been excellent for curing hay. Livestock are in good condition but pastures are now turning brown. Weed growth on summerfallow fields has been well controlled.

At Gravelbourg in the south-central part of the province hot, dry weather has been experienced over all parts of the district and only a limited amount of moisture was received in the northern section. Crops are still holding and are in good condition. Summerfallows are also in good condition and hay supplies are adequate. Farther west, the Experimental Farm at Swift Current indicates that the hot, dry weather is forcing crops and all fields are showing definite signs of drought. Rains are urgently needed to prevent rapid deterioration. Flax crops are short and patchy. Wheat is 60 per cent headed. Livestock are still in good condition but pastures are now becoming quite brown. Good progress has been made with haying but the crop is light.

At Shaunavon in the southwest part of the province the hot, dry winds have been offset to some extent by isolated showers and as yet the hot weather has not affected the above normal crop. Ninety per cent of the crop is now in head and our correspondent estimates at this time yields of wheat, oats and barley for the district may average 24, 60 and 45 bushels per acre, respectively. No insect damage is reported. Haying is well underway and supplies are expected to be sufficient for winter requirements. Farther north at Leader all crops continue to make very good growth as rain and showers have maintained moisture supplies at an adequate level. All grain is headed and heads are full and complete. Wheat is flowering, flax is blooming and there are no reports of any significant damage to crops in the district.

In the east-central part of the province near Togo, grain is heading rapidly and recent rains have aided all growth, with late crops responding well. The general picture at this time is for a half-normal crop provided further moisture is received. Stands on light land are short and thin. More adequate moisture supplies have started germination of grain in fields where the seed had remained dormant and also stimulated weed growth on summerfallows. Extra work will now be needed to control this growth. Haying is well advanced but yields are light. All grain crops look good in the Sturgis district. Wheat is in bloom and coarse grains are heading. Moisture supplies are adequate for present requirements but more will be needed in the immediate future. Farmers are now haying. The overall crop picture is still good in the Melville district despite the hot, dry weather of the past week. All crops are headed and haying is in progress.

In the central part of the province at Saskatoon, the lack of rain and the extreme heat of the past week have caused further crop deterioration, and although summerfallow fields are holding fairly well, heads are small. Rain is still urgently needed to fill the light crop and to improve the feed situation. Some slight grasshopper damage is occurring in a few fields. At Melfort, north and east of Saskatoon, drought conditions persist in the immediate region. Temperatures are well above normal and only scattered showers have been received. As a result many stubble crops are beyond recovery and summerfallow fields are deteriorating rapidly. Although local showers have improved the situation where these have been received, the general crop outlook remains bleak. Heavy rains could still improve the feed and fodder outlook but it is doubtful that grain yields can recover.

In the Rosetown district in the west-central part of the province, very hot and dry weather for the past ten days has reduced crop prospects to about half of normal. Immediate rains would improve grain yields which may average a yield of 15 bushels per acre. Some crops of flax are very poor. There is no feed shortage in this area and so far weeds are no problem. Farther to the north in the Scott district lack of rain has resulted in continued crop deterioration and light showers have provided little relief. In the Wilkie-Battleford area heavy showers have

reduced the effects of drought. The Scott-Unity area is holding better than those to the east and south. Farther to the north at Paradise Hill a rainfall of one-half inch on July 14 has ensured prospects of a fifteen bushel per acre crop. Summer-fallow wheat is 75 per cent headed and stubble crops are expected to provide some green feed. Some fields of tame hay will produce a second crop and pastures will be much improved.

The Saskatchewan Municipal Hail Insurance Association reports only small hailstorms since July 4 as follows: July 5 - Carlyle, Corning, Fillmore and Dahinda; July 6 - Allan, Tessier, and Calvert; July 8 - Oxbow and Carlyle.

A report from the Canadian Hail Underwriters Association indicates hail storms as follows: July 4 - Bruno to Humboldt, Rockglen to Coronach, Tribune to Estevan, Willowbunch to Ritchie; July 5 - Francis to Kisby; July 8 - Alida-Antler area; July 10 - North Battleford area.

The unweighted average precipitation since April was 16 per cent below normal and compared with 12 per cent below normal a week ago, 10 per cent below normal two weeks ago and in contrast to 46 per cent above normal a year ago. The mean temperature for the week ending July 13, 1964 was 5.5 degrees above normal compared with 0.9 degrees below normal a week ago, 2.7 degrees above normal two weeks ago and 0.2 degrees below normal for the week ending July 15, 1963.

ALBERTA

Crop conditions remain fair to good around Medicine Hat in Alberta although extremely hot weather during the last few days has caused some damage. Swathing of rye is under way and the hay crop is reported to be generally good. Pastures are fair to good and cattle are in good condition. Both rain and cool weather are needed to maintain crop development. There was slight damage from hail in the area during the past week.

A report from Lethbridge indicates that crop conditions in southern Alberta continue to be favourable, although there are a few localities that would benefit from rain. Haying operations are general and yields are heavy. There is a strong demand for irrigation water. In the Cardston district spring-sown wheat is in the shot blade. Pastures are reported to be good. In general, conditions are reported as ideal in this area. Near-ideal conditions are also reported from Claresholm as this district has experienced hot weather but is now enjoying cooler temperatures combined with showers. Spring-sown wheat is heading and there is no damage reported in grain crops to date.

In the south-central part of the province, around Brooks, extreme heat during the past week is beginning to burn some crops and pastures, and farmers are now using irrigation. Winter wheat and fall rye are about ready for swathing. Most crops are reported to be still in good condition, with wheat and barley now headed and flax in bloom. More rain is required to maintain crops. Haying operations are now under way. In the Vulcan district no moisture has fallen during the past week and temperatures during the past few days have ranged between 85 and 90 degrees. About half the wheat is headed and the crop looks healthy. In general, crops in this area are better than normal. Haying is almost completed with good average yields reported.

Severe heat has prevailed during the past few weeks in the Hanna district. Crops east of the town have suffered and all districts will suffer if they do not get rain this week. At present, about 75 per cent of the crops still look good and heads are large. There has been no damage from either hail or insects. Around Calgary, hot weather during the past week has advanced crops rapidly and grain is coming into head throughout the district. Crop prospects in this area remain very good. Farther north at Olds hot, dry weather is also advancing crops rapidly but prospects remain very good. Wheat and barley are heading. Haying is underway and heavy yields are reported.

Hot, dry weather in the Lacombe district has permitted haying operations to proceed at a rapid pace and considerable rain will be required to provide any second growth. Cereal crops continue in good condition but will require additional moisture very soon to ensure good filling. Farther west, at Eckville, moisture conditions are ideal and crops look as well as last year. Barley is 40 per cent headed and wheat and oats are commencing to head. Summerfallows are in fair condition. Haying is progressing with yields varying from one to two tons per acre. There have been no reports of hail damage in this area.

In the north-central part of the province around Vermilion crops are drying up rapidly through the lack of moisture and intense heat. All land that was cropped last year and again this year is just about a total loss. Crops on summer-fallow are burning badly and will not stand the heat much longer as temperatures were in the 90's all last week. Rapeseed crops are in poor condition. Haying operations are general and the crop is light. Pastures are turning brown. At Stony Plain continued hot weather is bringing crops along rapidly and moisture reserves are very low. Some crops are beginning to wilt. All early-seeded crops are in head with wheat averaging about 20 inches in height, oats 18 inches and barley 24 inches. Haying operations are in full swing and both yield and quality are good.

In the northeastern part of the province around Bonnyville prospects for feed supplies have improved somewhat due to recent rains which varied from light to torrential. However, grain crops are too far gone for recovery and many will be turned over to pasture or plowed under. Garden crops are fair.

Around Berwyn in the Peace River area growing conditions are excellent, with hot weather prevailing during the past week and a good rain on July 14. Moisture conditions are good, and prospects are promising. Haying is progressing but has been interrupted by showers. Recent light rains and cool weather have improved crop prospects around Fort Vermilion but more rain is needed. Grain is now fully headed and early-seeded barley is starting to turn. Flax is finished blooming while rapeseed is in full bloom and podding well. Haying operations are nearing completion. Alfalfa is making a good recovery but brome grass needs rain for regrowth. Around Grande Prairie all crops are one to two weeks later than normal. Flax and rapeseed are in bloom and alfalfa is starting to bloom. Moisture conditions are good to excellent and prospects for cereals, flax and fescues vary from good to very good. Haying operations are in full swing.

The Alberta Hail Insurance Board reports that hail storms occurred on July 9 at Lucky Strike, Orion, Nemiscan, Foremost, Bow Island, Winnifred, Seven Persons, Medicine Hat, Schuler, McKay and High Prairie and on July 10 at Clandonald and July 12 at Bindloss and Vimy. However, there have been only 125 claims to date compared to 600 at this time last year.

Average unweighted precipitation for the province since April 1 has been 10 per cent above normal, compared with 17 per cent above normal a week ago, 21 per cent above normal two weeks ago and 8 per cent above normal a year ago. Mean temperature for the week ending July 13, 1964 was 5.8 degrees above normal compared with 0.4 degree above normal a week ago and in contrast to 1.0 degree below normal two weeks ago and also 1.0 degree below normal for the week ending July 15, 1963.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m.	since	since	8 a.m.	
		July 13, 1964	April 1	April 1	July 13	
			inches		1964	Normal
						degrees F.
<u>MANITOBA</u>						
1	Boissevain	.22	7.80	7.51	67	67
	Pierson	.34	9.80	7.49	67	67
	Waskada	.21	11.13	7.80	69	67
2	Ninette	.09	9.40	8.11	69	68
	Baldur	.58	8.99	7.89	67	67
	Pilot Mound	.37	9.27	7.67	68	67
3	Altona	.26	8.27	7.20	70	69
	Deerwood	1.01	7.98	7.61	68	68
	Graysville	1.19	7.21(2)	7.39	70	69
	Gretna	.08	12.35	7.21	70	70
	Morden	.45	8.34	7.87	72	69
	Morris	.56	10.77	6.77	70	70
	Portage la Prairie	.89	9.82	7.68	70	69
	Roland	1.19	8.59	7.38	69	68
4	Stonewall	.74	10.11	7.38	69	68
5	Emerson	.32	13.33	7.24	71	69
	Steinbach	N.R.	9.57(2)	7.43	N.R.	68
	Winnipeg	.04	8.52	6.98	70	68
	Starbuck	1.63	8.90	6.98	N.R.	68
6	Seven Sisters Falls	.33	9.06	6.54	70	67
	Great Falls	.82	8.54	6.20	69	67
	Sprague	.36	11.59	7.88	66	66
7	Reston	N.R.	1.34(2)	7.55	N.R.	68
	Rivers	.37	7.39	8.41	65	67
	Virden	.47	10.18	7.12	72	68
8	Brandon	.54	8.97	8.06	69	67
	Cypress River	1.42	9.31	7.42	70	68
9	Gladstone	.35	6.36	7.49	N.R.	N.R.
10	Birtle	.24	6.83	7.10	67	64
	Rosburn	.66	5.08(2)	6.78	68	64
	Russell	.93	7.46	6.76	68	65
11	Dauphin	.59	3.92	7.04	70	68
	Gilbert Plains	1.02	4.80	7.04	69	68
12	Arborg	trace	5.79	6.98	69	67
	Gimli	.01	8.23	7.48	71	67
	Steep Rock	N.R.	3.05(2)	6.87	N.R.	65
13	Swan River	nil	4.05(2)	6.40	N.R.	65
	The Pas	.94	6.01	5.56	71	65
14	Grass River	.88	6.18	7.66	70	67
MANITOBA AVERAGE		.56	8.61	7.28	69.1	67.3

II

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending 8 a.m. July 13, 1964	Total since April 1	Normal since April 1	week ending 8 a.m. July 13	
					1964	Normal
<u>SASKATCHEWAN</u>						
1A	Carlyle	1.20	7.51(2)	7.08	67	66
	Estevan	.09	9.35	7.45	70	68
	Oxbow	.65	7.66	7.46	67	67
	Willmar	N.R.	6.18(2)	6.98	N.R.	N.R.
1B	Broadview	1.21	8.19	7.32	68	64
	Moosomin	.85	8.45	7.66	N.R.	67
2A	Yellow Grass	nil	5.78	6.75	N.R.	67
	Weyburn	.12	6.54	6.80	71	67
	Midale	.54	6.33	6.55	69	67
	Claybank	N.R.	6.51(2)	6.88	N.R.	68
2B	Moose Jaw	trace	4.08	6.29	73	68
	Regina	.29	7.11	6.54	71	67
	Francis	N.R.	7.42(2)	5.99	N.R.	66
	Qu'Appelle	N.R.	5.21(2)	7.16	N.R.	66
3AS	Indian Head	.08	6.01	6.58	70	66
	Ormiston	nil	4.59	6.79	71	68
	Minton	.18	7.63	7.31	65	67
	Cardross	nil	3.65	6.83	68	67
3AN	Ceylon	.03	6.71(2)	7.46	67	67
	Chaplin	.13	4.07	5.72	74	67
	Gravelbourg	.20	3.96	6.36	72	68
3BS	Shaunavon	nil	8.73	6.05	71	68
	Pambrun	nil	4.33	6.54	73	67
	Aneroid	N.R.	4.50(2)	6.09	N.R.	67
	Instow	N.R.	5.63(2)	6.05	N.R.	67
3BN	Swift Current	trace	4.29	6.34	74	67
	Hodgeville	N.R.	5.09(2)	6.41	N.R.	67
	Hughton	trace	2.43	5.27	75	68
4A	Maple Creek	nil	6.72	5.91	79	67
	Consul	nil	5.31	5.29	69	65
4B	Abbey	N.R.	4.12(2)	5.19	N.R.	66
	Leader	N.R.	6.04(2)	5.31	N.R.	66
5A	Cupar	.01	3.82	6.03	72	66
	Balcarres	trace	4.96	5.83	N.R.	N.R.
	Lipton	trace	3.71	5.83	72	67
	Melville	.01	6.15	6.41	68	65
5B	Yorkton	.13	4.60	6.50	71	66
	Bangor	.03	6.34	6.64	72	65
	Dafoe	.08	4.66	6.47	72	66
	Foam Lake	.01	7.09	6.86	71	65
	Kuroki	.30	8.79	6.81	69	64
	Lintlaw	.05	8.50	6.76	69	64
	Kamsack	.73	4.68	6.24	71	65
	Davidson	trace	4.34	6.08	72	66
6A	Imperial	.05	5.81	5.98	69	66
	Strasbourg	N.R.	3.05(2)	6.14	N.R.	65

III

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m. July 13, 1964	since April 1	since April 1	8 a.m. July 13	
			inches		1964	Normal
					degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6A	Watrous	.02	3.38	5.68	71	66
6B	Harris	nil	3.68	5.59	74	66
	Outlook	nil	3.73	5.30	75	68
	Saskatoon	.10	3.06	6.16	74	66
	Elbow	nil	4.22	5.53	74	67
	Tugaske	.66	5.19	6.02	72	66
	Dundurn	.01	3.14	5.70	75	66
	Alsask	N.R.	4.67(2)	5.14	N.R.	66
7A	Kindersley	trace	4.29	5.04	73	66
	Rosetown	nil	3.56	6.06	73	66
	Macklin	.30	6.46	5.63	72	65
7B	Denzil	trace	6.16	5.63	72	65
	Scott	.18	4.02	5.65	72	64
	Biggar	.22	4.35	5.77	73	66
8A	Hudson Bay	.67	9.10	6.62	71	64
	Prairie River	.23	4.10	6.45	69	64
8B	Humboldt	.42	4.92	5.89	70	64
	Melfort	trace	2.14	6.05	72	65
9A	North Battleford	.87	4.79	5.49	74	66
	Victoire	.10	4.17	5.57	75	63
	Prince Albert	trace	.86	6.34	74	65
	Island Falls	trace	4.25	5.75	74	63
9B	Waseca	.02	4.37	5.77	73	63
	St. Walburg	N.R.	2.57(2)	5.82	N.R.	63
SASKATCHEWAN AVERAGE		.19	5.22	6.22	71.5	66.0
<u>ALBERTA</u>						
1	Empress	trace	4.57	4.02	74	70
	Foremost	nil	8.62	6.31	72	69
	Hanna	nil	7.77	5.75	71	64
	Manyberries	N.R.	5.70(2)	5.06	N.R.	69
	Medicine Hat	.15	4.62	5.42	74	70
	Winnifred	.22	6.89(2)	5.38	N.R.	N.R.
2	Brooks	nil	5.08	5.12	71	68
	Drumheller	nil	5.53	5.56	71	67
	Gleichen	nil	6.10	6.14	69	64
	Hays	nil	6.95	5.31	72	70
	Rainier	N.R.	6.57(2)	5.18	N.R.	67
	Vauxhall	nil	6.19	5.25	71	66
	Warner	nil	9.86	7.06	74	66
	Raymond	trace	10.38	7.03	71	66
	Lethbridge	nil	9.73	7.16	71	64
	Three Hills	N.R.	1.76(2)	6.43	N.R.	63



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IV

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m.	since	since	8 a.m.	
		July 13, 1964	April 1	April 1	July 13	
					1964	Normal
			inches		degrees F.	
<u>ALBERTA</u> - Concluded						
2	Trochu	nil	7.09	6.99	70	63
	Vulcan	nil	7.91(2)	6.47	69	65
3	Calgary	nil	9.72	7.71	69	62
	Cardston	nil	12.54	7.83	66	65
	Pincher Creek	nil	11.24	8.79	67	62
	Fort MacLeod	nil	7.06	7.75	70	67
	High River	nil	6.40	8.67	67	61
	Magrath	nil	9.39(2)	7.63	68	65
	Alliance	nil	5.48	6.64	71	63
4	Coronation	trace	4.56	5.50	73	63
	Hughenden	nil	5.19	5.78	70	63
	Lloydminster	.21	4.21	5.61	73	64
	Stettler	.05	6.21	7.03	71	63
	Vegreville	nil	4.61	5.86	71	64
	Ranfurly	nil	3.85	6.29	72	64
	Vermilion	.02	4.81	5.93	71	62
	Edmonton	.37	5.49	7.16	70	63
	Lacombe	nil	6.40	7.62	69	62
	Red Deer	nil	7.76	7.26	69	61
5	Rocky Mountain House	.15	10.62	9.33	66	61
	Wetaskiwin	.41	5.34	7.10	71	62
	Athabasca	N.R.	4.73(2)	6.13	N.R.	60
	Campsie	.48	7.16	7.23	68	61
	Edson	.22	8.16	7.65	66	59
	Elk Point	1.61	5.68(2)	6.17	72	61
	Lac la Biche	1.50	4.67	6.19	70	63
	Smith	.54	5.80	5.79	68	60
	Whitecourt	1.32	9.35	7.54	66	59
	Beaverlodge	N.R.	11.05(2)	5.40	N.R.	60
6	Fairview	.55	7.51	5.64	66	60
	Ft. Vermilion	.37	3.50	4.36	68	62
	Grande Prairie	.29	9.44	5.45	64	61
	High Prairie	1.35	8.98	6.35	64	61
	Peace River	.62	7.81	5.11	65	61
	Rycroft	.15	8.62	5.35	61	62
	Wagner	1.34	6.19	5.45	67	60
ALBERTA AVERAGE		.25	7.00	6.36	69.3	63.5

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.