No.

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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

Price: $4.00 for series of 20 Crop Reports

Field Crop Reporting Series — No. 9
(Including Monthly Summary of Fall and Winter Precipitation)
September 1, 1970 to March 31, 1971

TELEGRAPHIC CROP REPORT — PRAIRIE PROVINCES

This is the fifth of the 1971 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.

SUMMARY

Prairie Provinces. — There has been recent prolonged rainfall throughout nearly all districts of the Prairie Provinces. As a result moisture supplies are now generally good except for parts of southern Saskatchewan and southern Alberta where more rain is needed. In western Manitoba and some other areas moisture supplies are indeed excessive with flooding and flood-damage to crops reported. The wet weather has delayed spraying operations. Hay and pastures are good in Manitoba but in Saskatchewan and Alberta earlier dry weather will reduce yields. Haying operations will be starting very soon.

Manitoba. — Heavy rains have restored moisture supplies and in the western districts caused considerable flood damage to crops. Weed growth is heavy and spraying has been delayed. Flea beetles are quite active. Cereals which have not been flooded are in good to excellent condition with fall rye now headed. Most stands of this crop are good. Special crops are progressing well and forage crops which are below average are improving rapidly.

Saskatchewan. — Rain was general in most areas of Saskatchewan last week. Moisture conditions are now good but more rain will be needed in the south-central area. There is a potential for a very good crop but warm weather is required to speed growth. Haying has not started and only a fair hay crop is anticipated. However, pastures are recovering and cattle are in good condition. Last week's rain delayed spraying and summerfallowing operations. Spraying is now approximately 42 per cent and summerfallowing about 86 per cent completed. Several areas received hail but little permanent damage is reported.

Agriculture Division
Crops Section

5502-508

Alberta. — The past three-week period of general rains have greatly improved crop conditions in Alberta. The timing of the rains could not have been better as most farmers had just completed seeding and the fields were in need of moisture. The rainfall was heaviest in the west-central portion of the province where many points recorded three to four inches of precipitation. The earlier dry conditions have set back hay and pasture fields to the point that the recent rains cannot appreciably improve their growth. Some hail storm activity was reported in the last week and thunder showers resulted in some soil erosion west of Highway 2. Wireworm activity is widespread but damage appears slight at this time. Cutworms have been reported but are mainly confined to farm gardens. Grasshoppers are not yet a problem. Some rapeseed crops are experiencing light damage from flea beetles and in a few fields in northern Alberta losses from red turnip beetles have been reported. Weevils are causing some problems in sweet clover fields in the Pincher Creek and Claresholm areas.

RUST REPORT FOR THE PRAIRIE PROVINCES

The Canada Department of Agriculture Research Station advises that there have been no further reports on rust development in the United States. Wheat fields in southern Manitoba were surveyed on June 21 and one pustule of leaf rust was found. Although leaf rust is very scarce at present conditions are optimum for rust development. No other rust has been reported from Western Canada.

MANITOBA

In the Vita district crops are doing very well with farmers making good progress with spraying operations. The heavy rain was spotty and more rain is needed in the Woodmore-Stewartburn area. Pastures are doing well and haying will start this week. Heavy rains and intermittent showers over the past two weeks have restored moisture to adequate levels at Altona. Both weeds and crops are growing vigorously and cultivation and spraying are general. Some crops have been ploughed down because of weed infestations and concern is felt over grasshoppers. There are also numerous reports of flea beetles in rapeseed. At Morden the grain is in the four to six leaf stage and excellent moisture conditions prevail. Thunder showers last week delayed sunflower cultivation and held up spraying and summerfallowing. Some hail was reported on Tuesday, June 15 in scattered fields north of Winkler and some pothole flooding also occurred as a result of very heavy rains. Haying should start within the next week and forage stands are excellent so far.

Reports from Melita indicate that rainfall during the past two weeks varied from two to six inches in the district. Low areas are flooded as a result and soil moisture conditions vary from fair to excessive. Crop conditions are fair to very good but late-seeded crops are emerging quite unevenly because of washing and crusting. Spraying has been delayed. Grasshoppers are hatching in serious numbers in some spots. The outlook for pasture and hay crops is good.

In the Beausejour district crops are making fairly favourable progress although yellowing is reported in localized wet areas. Herbicide spraying is under way and farmers are just starting haying with stands varying from very good to average. At Selkirk crops are doing fairly well although there has now been more than sufficient rainfall. As a result some barley has been drowned out and other fields are yellowing from excessive moisture; however, the cool weather is helping to retard these adverse effects. Hay should be ready for cutting in one week's time. Potatoes and gardens are doing well.

Crop conditions are excellent at present in the Stonewall district. Weed growth is quite widespread and spraying has started with delays reported due to soft ground. Hay growth was excellent as are moisture conditions but further heavy rains could result in flooding. Already minor crop damage to flax and barley has occurred as a result of too much moisture. Our reporter from Portage La Prairie indicates that seeding has been completed except for some buckwheat which is still to be sown. Moisture conditions are better than average with some drowned out spots evident. Spraying has started. Farmers are beginning to swath forage crops although activity is still scattered. Some insect damage is reported with aphids on ornamentals being particularly evident.

Rain during the past few weeks has caused considerable yellowing of grain crops especially in low-lying areas in the Brandon district. Some flooding and water erosion damage has occurred also and warm dry weather would be beneficial. Weed growth is heavy including perennials and grasses. Spraying has been delayed by the rain. However, cultural control of wild oats proved effective this year. Cereal crops are generally tillering heavily and prospects for high yields are good. Pastures and hayland are excellent and haying will be under way in a few days.

Reports from Teulon in the Interlake area indicate that crops are coming along fairly well. Rye fields are headed and will soon be turning colour. Spring-sown cereals vary from the two-leaf stage to from seven to eight inches in height. Many of the district farmers have completed spraying although activity is still fairly general. Haying will start this week. At Arborg some spotty showers occurred during the week but there was no appreciable precipitation. However, crop growth is good except for hay and the most advanced cereals are from ten to twelve inches high; where farmers waited for wild oat growth the crops are about four inches high.

At Neepawa total June rainfall is now over seven inches with reports of up to fourteen in some parts of the district. Some 11,000 seeded acres are standing in water with some permanent damage expected. Weed growth is rapid and spraying operations are slow. Fall rye stands are good to excellent and are filling well. Hay and pasture growth is excellent. At Minnedosa fields are waterlogged after more rain. Many fields are under water and crops are yellowing badly in low areas. Erosion is moderate to severe on rolling land. Weed growth is very lush and spraying operations are much delayed because of soft ground with wild oats beyond the spraying stage in many crops. Fall rye, hay and pastures are very good although some losses have been sustained due to flooding. Insect damage has been negligible in rapeseed with only the odd field sprayed for flea beetle control.

Reports from Shoal Lake indicate that crops require better drying conditions and sunshine. Water-covered crops are dying and flax and barley turning yellow due to excessive moisture. From one-half to three inches of rain fell in the district last week although there has been no frost or hail damage. Very little spraying has been done so far. Moisture conditions in the Russell district vary from very good to excessive with some soil erosion and flooding reported. As a result of the wet weather, weed control operations have been delayed and some spraying is being done by aircraft. Some fields of rapeseed are being worked up due to poor germination and farmers are reseeding with early-maturing rapeseed varieties. Prospects for the fall rye crop are good and pasture and forage crops also look good.

In the Dauphin district in northwest Manitoba a total of five inches of rain during the past ten days caused waterlogging of fields throughout the entire area. The rain prevented weed spraying operations and as a result fields are weedy. Very

little reseeding has been done because of the wet conditions. Flea beetles are unusually numerous. Aerial spraying is being used extensively for both insect and weed control. Tame hay and forage crops are excellent but wild hay is waterlogged. At Swan River improved moisture conditions have created additional weed problems and spraying continues where field conditions permit. Some reseeding has also been done this past week. Generally crop conditions are very good. Aphid and tent caterpillar damage are reported on shelter belts.

The unweighted average precipitation for the province since April 1 has been 29 per cent above normal compared with 28 per cent above normal a week ago, 24 per cent above normal two weeks ago and 45 per cent above normal a year ago. The mean temperature for the week ending June 23, 1971 was 3.1 degrees above normal compared with 0.6 degree above normal a week ago and 5.2 degrees above normal two weeks ago and in contrast to 0.3 degree below normal for the week ending June 22, 1970.

SASKATCHEWAN

At Willmar in the southeast part of the province a good rain was reported over the weekend bringing total rainfall since April 1 to 3.4 inches. Crops look promising but nearly all required spraying. The rain was too late to help the hay crop but pastures are recovering. There are a few reports of hail in this area but no damage has been done. At Yellow Grass prospects appear good for all grain following recent rains. Spraying is about two-thirds completed and a heavy infestation of buckwheat is reported in places. Summerfallowing has been delayed by the rains. The Experimental Station at Indian Head reports 1.35 inches of rain during the past two weeks has kept crop prospects very good. All crops are showing excellent growth. Early-seeded crops are twelve to fourteen inches high and are just coming into shot blade. Good progress has been made with summerfallow tillage and spraying operations are in full swing. Weed growth is heavy in many fields but no insect infestation has been observed in this area. Pasture fields have made a good recovery since the recent rain but the hay crop will be light due to the dry weather in May. Livestock on pastures are in good condition.

In the southwest part of the province at Val Marie surface moisture is very low and rain is required soon. Only 2.5 inches of rain has fallen in this area since April 1. First-cutting on irrigated land will start next week. Cereal and oilseed crops are doing fairly well under these dry conditions. Gophers are extremely numerous especially in sunflower fields. In the area around Eastend crops are growing well but rain is required in the Frontier-Climax area. Winter wheat is suffering in this area due to lack of moisture and the hay crop will be light. Pasture conditions are good except in the extreme south. At Leader, crop growth continues to be good and stooling is heavy. Crops are now six to eight inches high and the moisture supply is still good. Pastures are green and some haying has begun.

At Togo in the east-central part of the province crops are well advanced. Weed growth has been heavy in this area and some fields have been turned down due to wild oats. The general outlook for crops is good to excellent. Pastures and hay crops have made a recent recovery. In the area around Endeavour all crops are good although wild oats are quite severe in some early-sown crops. Wheat is now ten to fourteen inches high and is coming into shot blade. Rapeseed is beginning to blossom and hay and pastures are in good condition. There has been some hail in the area but no serious damage is reported.

In the central area around Drake rapeseed fields are patchy and weedy and some have been re-seeded. Cereal stands are uneven and a below average rye crop is anticipated. Summerfallow operations are under way and chemical spraying is progressing although some fields are too wet for spraying. Pasture and hay crops have improved since recent rains. At Craik, timely light rains have kept moisture conditions good. Pastures have revived while the hay crop is expected to be short. Grain and special crop seeding is now completed and normal growing conditions are reported at this time. In the area around Saskatoon two and one-quarter inches of rain are reported so far this month resulting in excellent crop growth. Early-seeded cereals are six to eight inches high and some rapeseed fields are in bloom. Pastures and tame hay are in fairly good condition. Summerfallowing operations are progressing well and crop spraying for weeds is almost completed.

Our correspondent at Rosetown in the west-central area reports ample moisture and warm weather have given rapid growth to all crops. There has been a light infestation of flea beetle in some fields and farmers are now spraying. Wheat and coarse grains are about seven inches in height while fall rye is about three feet tall. District farmers are spraying weeds and summerfallowing. Hayland and pastures have shown good growth with 3.62 inches of rain reported since April 1. At Scott all crops are growing well and spraying for weed control is well advanced. All late-sown rapeseed has now emerged. Three-quarters inch of rain since the last report appears sufficient for cereal and oilseed crops at present. More rain will be required in seven to ten days to sustain the heavy growth. Forage crops are light and nearing the hay stage and pastures are holding but show no abundance of growth.

At Melfort in the northeast the crop outlook is much improved by the early June rain. Rapeseed stands are below normal due to slow and uneven germination. Pastures are much improved due to the recent rain but the hay crop will be below normal. Fall rye has headed but the stands are thin and weed spraying is under way.

The Saskatchewan Municipal Hail Association reports storms June 9 at Carievale; June 11 at Estevan, Lampman, Lone Rock, Macklin, Paynton, and Smiley; June 12 at Churchbridge, Mantario, and Gronlid; June 14 at Caron, Marquis, Bethune, Southey, Markinch, Fox Hills, Dysart, Ituna, Goodeve, Coronach, Willow Bunch, Viceroy and Ogema; June 16 at Moosomin, Melfort and Brooksby; June 18 at Lockwood.

The unweighted average precipitation since April 1 has been 12 per cent below normal compared with 14 per cent below normal a week ago, 10 per cent below normal two weeks ago and in contrast to 34 per cent above normal a year ago. Mean temperature for the week ending June 23, 1971 was 0.2 degree above normal, compared with 2.5 degrees above normal a week ago, 3.6 degrees above normal two weeks ago and 2.1 degrees above normal for the week ending June 22, 1970.

ALBERTA

Our correspondent at Medicine Hat in southeastern Alberta reports that recent high winds have reduced soil moisture conditions. Rain will be needed soon although there have been some good showers in parts of the district. Wheat and barley crops are now heading and fall rye is well advanced. Summerfallow operations are nearly completed. Livestock and grasslands are estimated to be in good condition.

In the Lethbridge area of southwestern Alberta recent dry winds have greatly reduced topsoil moisture and caused leaf damage in many cereal crops. Seeding of canning crops is now complete. Bean and corn plants are yellowing due to the cool growing conditions but high temperatures in the last two days should benefit these crops. The first planting of peas is now blooming and thinning of sugar beets is near completion. In the Cardston area seeding operations have now been completed. There has been some reseeding of rapeseed crops in the area. Spraying operations on cereal crops are now half done. Recent high winds have done some damage to winter wheat which is now in the heading stage. Pastures and haylands show good growth. Moisture conditions are described as fair. Summerfallow operations are now in progress. In the Claresholm area crops and moisture conditions are presently described as fair. Rains would be welcome in the immediate future. Farmers in the area are busy with spraying and summerfallowing operations. Infestations of Canadian Thistle and wild oats are described as severe. Winter wheat and fall rye are now headed. There has been some reseeding of rapeseed and flaxseed acreages because of the packed ground and weed infestations. Pasture lands are described as fair and hay crops will not be heading.

In south-central Alberta around Brooks crop conditions are described as good and showing vigorous growth. The area has experienced recent showers but more rain is needed. The first cut of hay is now beginning. Many Leaf Cutter bees are being used in alfalfa seed fields. Some shelter belts are now being sprayed for aphids. The Newell vegetable plant is now processing radishes. Most pastures show above average growth. In the Vulcan area wheat and barley crops now average eight inches in height and flaxseed and rapeseed crops average approximately four inches. Weeds are becoming a problem and spraying operations from the ground and the air are being conducted. There has also been some reseeding of rapeseed fields. A below average crop in hay is forecast and rain is needed on pasture lands which are beginning to turn brown.

In the Calgary area seeding of all grains is now completed and wheat, oats and barley crops are about four inches in height. Surface and subsoil moisture conditions remain good. Some wireworm damage has been reported.

At Sedgewick in northeast-central Alberta adequate moisture and growing conditions contribute to an excellent crop outlook. Wild oat infestations are a problem and some rapeseed acreage is now being reseeded to barley. Hay and pasture lands are producing above average. In the Vermilion area all crops are doing very well with the exception of rapeseed. There has been a substantial amount of reseeding due to the lack of moisture during early seeding operations. Rainfall during the last week has brought moisture conditions up very well. Severe problems with wild oats and other weeds have been reported throughout the area.

Our correspondent at Stettler in central Alberta reports that cool cloudy weather which prevailed in the area throughout most of last week brought much needed rains. The precipitation received so far has been sufficient for cereal crops but forage crops have suffered from the dry conditions and will yield below average. More precipitation and sunshine are required. Spraying of field crops will become general later this week. There have been minor reports of tent caterpillar infestations on trees.

Edmonton reports that the crop outlook has greatly improved since the last report. Four inches of gradually soaking rain have improved moisture conditions but have delayed spraying operations. The yield of first-cut hay will be low. Rapeseed crops are in excellent condition and there have been no serious insect infestations reported.

Farmers in the Red Deer district of west-central Alberta have virtually completed seeding operations except for some late rapeseed. Some are reseeding early-sown rapeseed fields due to a combination of poor germination and heavy wild oat infestations. Spraying operations are in full swing now that the rain has subsided. Tilling conditions are excellent and moisture conditions are also described as excellent. Hay stands are coming along well although haylands in their first year of production have suffered from the earlier dry spell. At Lacombe 2.26 inches of rain received in June have improved hayland and pastures as well as insuring the emergence of late-sown crops. Some seeding was delayed by wet weather but is now completed. Spraying operations are now general in the area. Green foxtail has become a troublesome weed in the district. The recent rains have greatly improved crop and pasture conditions in the Eckville area. Seeding was completed around June 21 and spraying operations are now 60 per cent completed. It is estimated that approximately 95 per cent of the field crops in the district will be sprayed. Cereal and hay crops are described as average and summerfallow is in fair condition.

Bonnyville, in northeastern Alberta, reports that the district now has an excellent supply of moisture. Grain, hay and pasture crops are in excellent condition. Seeding is now 90 per cent complete. Crops in the Colinton area of north-central Alberta are doing extremely well under excellent growing conditions. Wheat and oats now stand ten inches in height with barley at eight inches, flax at four inches and rapeseed at two inches. Spraying of all crops is now general and more spraying is being done this year than in the past four years. Forage crops which had been delayed by cool dry weather this spring have picked up extremely well. Pastures are in excellent condition. Abundant hay stands will be cut within the next week. Summerfallow cultivation has been delayed by wet weather but is now going ahead under optimal conditions.

Heavy rains totalling about four inches fell between June 8 and June 16 in the Beaverlodge area of the Peace River District causing some erosion in grain and fallow fields. In general, however, these rains have resulted in much improved growing conditions. Perennial forages are now growing well. There has been a heavy weed growth and much spraying has been done. There appear to be serious infestations of red turnip beetles in fields of rapeseed. Peace River reports that one to three inches of rain fell across the district and as a result moisture conditions are now described as good. The growth of both cereal and oilseed crops is good. Red turnip beetles are prevalent in rapeseed crops. The rains should result in a recovery of pastures and haylands as well as allowing late-seeded crops to germinate. Recent rains in the Fort Vermilion area have improved soil moisture conditions greatly.

Some stands of wheat, oats and barley are now heading. Some rapeseed crops are in flower. There have been reports of grasshopper and red turnip beetle infestations. Pasture conditions are described as good while summerfallow conditions are only fair.

The Alberta Hail and Crop Insurance Corporation reports the following storms: June 13, the first major hail storm of the season began at approximately 10:30 p.m. at Ponoka and moved north to Edmonton at 1:30 a.m. and to Jarvie at 2:30 a.m. Stones of up to walnut size were reported in a strip of three to four miles wide causing severe damage to small seedlings; June 19, a storm began at Balzac at 1 p.m. and moved due north to Airdrie. Hail stones the size of marbles were reported up to two inches deep on the ground.

The unweighted average precipitation for the province since April 1 has been 9 per cent below normal, as compared with 11 per cent below normal a week ago, 14 per cent below normal two weeks ago, and 2 per cent below normal a year ago. Mean temperature for the week ending June 23, 1971 was 0.6 degree below normal in contrast to 0.1 degree above normal a week ago, 2.3 degrees above normal two weeks ago, and 4.6 degrees above normal for the week ending June 22, 1970.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean temperature week ending 8 a.m. June 21	
		Week ending 8 a.m. June 21, 1971	Total since April 1	Normal since April 1	1971	Normal
		inches			degrees F.	
MANITOBA						
1	Boissevain	1.39	7.42	5.70	65	60
	Pierson	.76	7.88	5.18	64	61
2	Baldur	1.23	10.33	5.35	67	62
	Pilot Mound	2.22	7.88	5.35	64	62
3	Altona	.25	3.04	4.87	68	64
	Deerwood	1.22	7.05	5.10	65	63
	Graysville	1.27	7.09	4.83	65	62
	Morden	1.53	5.51	5.41	68	64
	Morris	1.12	4.86	4.75	69	64
	Portage la Prairie	.96	8.13	6.29	66	63
	Roland	.99	4.30	5.07	65	64
4	Stonewall	.59	6.16	5.36	65	62
5	Emerson	N.R.	4.92(2)	4.99	68	63
	Steinbach	.51	4.41	5.00	66	62
	Winnipeg	.62	6.30	5.26	66	62
	Starbuck	1.55	9.07	5.00	66	63
6	Pinawa	.85	5.76	3.09	63	60
	Great Falls	N.R.	2.00(2)	3.86	N.R.	62
	Sprague	.47	5.78	5.21	64	61
7	Virden	1.38	7.18	5.00	66	61
8	Brandon	2.37	9.00	5.42	63	61
	Cypress River	1.51	8.94	5.23	66	62
9	Gladstone	1.09	6.87	5.30	N.R.	62
10	Birtle	2.22	7.41	5.04	61	59
	Rossburn	1.09	6.39	4.50	61	59
	Russell	1.12	4.93	4.23	61	59
11	Dauphin	.45	6.48	5.54	63	61
12	Arborg	.29	4.86	5.05	62	61
	Gimli	.40	6.11	5.25	65	61
13	Swan River	.28	5.78	4.55	61	60
	The Pas	.65	2.55	4.19	62	59
MANITOBA AVERAGE		1.05	6.46	5.00	64.7	61.6

For footnotes, see page IV.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean temperature week ending 8 a.m. June 21	
		Week ending 8 a.m. June 21, 1971	Total since April 1	Normal since April 1	1971	Normal
		inches			degrees F.	
SASKATCHEWAN						
1A	Carlyle	.82	7.92	4.38	61	59
	Estevan	.44	5.98	4.94	63	61
	Oxbow	.76	3.50(2)	4.38	63	59
	Willmar	1.14	3.92	4.77	N.R.	59
1B	Broadview	.85	3.50	5.24	60	58
	Moosomin	1.25	6.96	5.11	63	60
2A	Yellow Grass	1.52	4.00	4.48	61	61
	Weyburn	1.12	3.19	4.40	62	60
	Midale	1.66	4.40	4.29	62	61
	Amulet	.41	2.68	N.R.	62	N.R.
2B	Moose Jaw	.28	2.19	4.58	63	61
	Regina	.30	2.03	4.59	60	60
	Francis	1.45	4.39	4.03	60	59
	Indian Head	1.22	3.85	4.61	60	60
3AS	Ormiston	.24	1.49	4.65	62	60
	Cardross	N.R.	1.28(2)	4.70	N.R.	60
3AN	Gravelbourg	.50	1.98(2)	3.84	60	61
3BS	Shaunavon	N.R.	3.35(2)	4.26	56	59
	Aneroid	.72	3.73	3.95	59	60
	Instow	.44	4.29	4.05	52	59
3BN	Swift Current	.62	2.91	4.67	58	59
	Pennant	1.14	3.36	4.09	60	60
	Hughton	N.R.	1.87(2)	3.44	N.R.	61
4A	Maple Creek	N.R.	3.08(2)	3.93	N.R.	61
	Consul	.32	2.25	3.38	56	59
4B	Leader	.31	3.73	3.54	59	61
5A	Cupar	.62	3.49	4.20	60	60
	Balcarres	1.65	3.70	4.60	N.R.	59
	Lipton	.88	3.44	3.99	58	59
	Melville	1.44	7.42	N.R.	60	N.R.
	Yorkton	1.12	4.32	4.45	61	59
	Bangor	1.29	4.07	4.83	60	59
5B	Wynyard	.27	4.10	4.46	60	58
	Foam Lake	1.15	4.18	4.55	60	58
	Kuroki	.27	3.30	4.60	58	58
	Kamsack, Cote	.43	4.42	4.25	61	59
6A	Davidson	.49	3.36	4.25	59	60

For footnotes, see page IV.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean temperature week ending 8 a.m. June 21	
		Week ending 8 a.m. June 21, 1971	Total since April 1	Normal since April 1	1971	Normal
		inches			degrees F.	
SASKATCHEWAN - Concluded						
6A	Strasbourg	.96	4.01	4.69	61	58
	Watrous	.70	4.56	3.90	59	60
	Liberty	.64	3.46(2)	N.R.	60	N.R.
6B	Harris	.26	2.81	3.48	58	60
	Outlook	.21	2.90	3.57	60	61
	Saskatoon	.11	3.47	3.61	60	60
	Elbow	.80	2.76	4.42	60	60
	Tugaske	.46	3.94	4.37	58	60
	Dundurn	.29	4.32	3.44	61	60
7A	Kindersley	.55	2.33	3.13	59	60
	Rosetown	1.74	3.90	3.75	58	60
7B	Macklin	.36	2.85	3.46	58	59
	Denzil	.28	2.83	3.50	59	60
	Scott	.42	2.68	3.77	62	58
	Biggar	.31	2.83	3.74	58	60
8A	Hudson Bay	.21	3.01	4.46	60	58
	Prairie River	.90	3.12	4.64	56	58
8B	Humboldt	.23	4.35	3.97	61	59
	Melfort	.20	3.37	4.16	59	59
9A	North Battleford	.34	2.66	3.55	59	60
	Victoire	N.R.	.95(2)	3.90	N.R.	57
	Prince Albert	.53	3.11	4.05	58	59
9B	Waseca	.84	2.54	3.82	57	58
	Meadow Lake	.14	4.10	4.07	58	55
SASKATCHEWAN AVERAGE		.69	3.68	4.17	59.6	59.4
ALBERTA						
1	Empress	.45	1.79	3.69	60	61
	Foremost	.08	3.94	4.39	58	60
	Manyberries	.11	5.38	3.73	59	60
	Medicine Hat	.07	3.19	4.19	60	62

For footnotes, see page IV.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean temperature week ending 8 a.m. June 21	
		Week ending 8 a.m. June 21, 1971	Total since April 1	Normal since April 1	1971	Normal
		inches			degrees F.	
ALBERTA - Concluded						
2	Brooks	.38	3.87	3.99	59	60
	Vauxhall	.05	3.66	3.70	59	59
	Raymond	trace	5.27	4.85	57	60
	Lethbridge	nil	4.73	5.40	59	59
	Trochu	.55	4.94	4.28	N.R.	58
	Queenstown	.23	3.46	4.82	58	58
3	Calgary	.12	3.84	5.72	56	56
	Cardston	nil	6.23	6.22	54	57
	Pincher Creek	.01	5.54	6.98	56	55
	Fort MacLeod	.04	4.87	6.12	59	60
	High River	.44	6.03	6.21	54	54
	Olds	.35	4.72	5.47	54	55
4	Alliance	.09	2.72	3.45	58	58
	Coronation	.05	2.93	3.42	57	57
	Hughenden	.23	3.75	3.53	57	58
	Lloydminster	1.10	3.52	3.73	58	58
	Stettler	.28	1.55	4.42	56	58
4	Vegreville	.90	2.87	3.84	55	57
	Ranfurly	.89	3.31	4.05	56	58
	Vermilion	.58	2.04	3.63	57	57
5	Edmonton	.92	2.56	4.99	55	58
	Lacombe	.42	2.68	5.52	55	57
	Red Deer	.21	3.43	6.63	55	57
	Rocky Mountain House	.91	6.01	5.99	53	55
	Wetaskiwin	.86	2.94	4.88	56	57
6	Campsie	1.22	3.77	4.65	54	56
	Edson	2.06	8.03	5.44	53	54
	Elk Point	1.40	4.02	3.93	57	56
	Lac la Biche	1.29	5.01	4.12	57	58
	Whitecourt	1.16	7.55	4.83	54	55
7	Beaverlodge	2.03	4.49	3.87	57	56
	Ft. Vermilion	1.17	2.33	3.05	63	57
	Grande Prairie	2.24	5.53	3.93	59	57
	High Prairie	1.69	6.04	4.07	57	57
	Peace River	1.13	3.51	2.96	59	57
	Wagner	1.91	4.40	3.77	57	55
ALBERTA AVERAGE		.69	4.16	4.56	56.8	57.4

N.R. - No report. (1) Source: Meteorological Service of Canada. (2) Incomplete; not included in average.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
MANITOBA										
1 — Boissevain	A.	1.78	0.81	0.41	0.70	1.15	.04E	.95	5.84	74
	N.	1.52	1.35	1.15	.94	1.18	.53	1.22	7.89	
Lyleton	A.	2.26	.85	.53	.63	1.23	.08	1.06	6.64	93
	N.	1.57	1.24	.90	.68	1.11	.61	1.06	7.17	
Pierson	A.	1.70	.74	.40	.80	1.25	.05	1.05	5.99	102
	N.	1.10	.73	.76	.76	.84	.80	.86	5.85	
2 — Pilot Mound	A.	2.81	.80	.79	.87	.80	.04	2.29	8.40	109
	N.	1.65	1.12	1.10	.84	.91	.83	1.26	7.71	
3 — Morden	A.	2.82	.71	1.27	.75	.81	.09	3.87	10.32	124
	N.	1.79	1.30	1.14	.92	1.09	.82	1.29	8.35	
Portage la Prairie.	A.	2.41	1.13	1.05	.66	.53	.12	1.62	7.52	81
	N.	2.47	1.38	1.45	.72	.97	.77	1.50	9.26	
Roland	A.	3.00	.99	.65	.85	.82	.11	2.09E	8.51	105
	N.	1.88	1.26	1.06	.86	1.05	.74	1.23	8.08	
5 — Winnipeg	A.	4.41	1.05	1.05	.92	.42	.18	1.72	9.75	114
	N.	2.16	1.44	1.14	.88	1.03	.82	1.08	8.55	
6 — Great Falls	A.	3.89	1.80	.45	.72	.60	.27	1.14	8.87	111
	N.	1.97	.97	1.15	1.07	1.16	.78	.90	8.00	
Indian Bay	A.	4.39	2.25E	.70	1.54	.87	.44	1.40	11.59	119
	N.	2.34	1.50	1.37	1.11	1.26	.95	1.23	9.76	
Sprague	A.	3.63	2.68	.47	.77	.70	.20	1.10E	9.55	110
	N.	2.28	1.44	1.19	.86	.98	.81	1.11	8.67	
7 — Virden	A.	4.51	2.16	.55	.78	.55	.02	.87	9.44	156
	N.	1.42	.98	.72	.74	.68	.56	.96	6.06	
8 — Brandon	A.	3.26	1.16	.35	.67	.76	.03	.98	7.21	112
	N.	1.60	1.04	.85	.80	.80	.76	.56	6.41	
10 — Birtle	A.	4.21	2.04	.71	.89	.66	.02	.79E	9.32	152
	N.	1.60	.92	.88	.69	.70	.54	.81	6.14	
11 — Dauphin	A.	4.01	2.06	.72	1.09	.53	.38	.60	9.39	121
	N.	1.81	1.08	1.04	.91	.99	.75	1.17	7.75	
12 — Gimli	A.	1.68	2.52	1.63	1.60	.33	.16	1.11	9.03	101
	N.	2.27	1.73	1.40	.99	.94	.72	.86	8.91	
13 — The Pas	A.	.74	3.15	1.00	1.18	.55	.54	.66	7.82	103
	N.	2.15	1.10	1.16	.89	.79	.65	.84	7.58	
MANITOBA AVERAGE ...	A.	3.03	1.58	.75	.91	.74	.16	1.37	8.54	110
	N.	1.86	1.21	1.09	.86	.97	.73	1.06	7.77	

For footnotes, see page X.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts — Continued

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
SASKATCHEWAN										
1A — Arcola	A.	1.71	1.95	.30	1.00	.90	.10	.60	6.56	131
	N.	1.05	.71	.68	.63	.59	.58	.78	5.02	
Estevan	A.	1.51	1.79	.52	.78	.59	.11	.32	5.62	91
	N.	1.49	1.00	.89	.71	.68	.63	.76	6.16	
Oxbow	A.	1.50	1.35	.30	.70E	.70	.30	.85	5.70	105
	N.	1.13	1.14	.87	.54	.64	.47	.66	5.45	
1B — Broadview	A.	2.23	2.37	.39	.79	.47	.20	.70	7.15	109
	N.	1.60	.88	1.11	.70	.70	.61	.97	6.57	
Fleming	A.	3.20	3.05	.52	.75	.69	.02	.45	8.68	117
	N.	1.47	.80	1.01	1.01	1.06	.68	1.39	7.42	
2A — Claybank	A.	2.52	.84	.79	.91	.87E	.41E	1.11E	7.45	138
	N.	1.28	.68	.67	.72	.72	.59	.75	5.41	
Weyburn	A.	2.20	1.44	.47	.67	.50	.22	.53	6.03	105
	N.	1.21	.84	.74	.66	.75	.66	.86	5.72	
2B — Francis	A.	2.20	2.13	.60	.90	.65	.10	.70	7.28	156
	N.	1.23	.67	.58	.52	.59	.52	.55	4.66	
Indian Head	A.	2.33	2.77	.74	1.19	.93	.25	1.01	9.22	144
	N.	1.38	.83	.96	.78	.82	.70	.93	6.40	
Moose Jaw	A.	1.32	.66	1.48	1.02	1.07	.36	1.10	7.01	127
	N.	1.19	.62	.74	.80	.77	.62	.76	5.50	
Regina	A.	2.79	1.29	.72	.71	.64	.19	.90	7.24	126
	N.	1.33	.70	.78	.67	.76	.68	.81	5.73	
3AS — Lime rick	A.	.89	.30	.59	.95E	.80	.25	.43	4.21	78
	N.	1.65	.59	.52	.66	.76	.51	.68	5.37	
3AN — Gravelbourg	A.	1.02	.36	.83	1.13	1.22	.65	.41	5.62	113
	N.	1.01	.51	.65	.74	.82	.71	.54	4.98	
3BS — Bracken	A.	1.20	.20	.60	.50	2.60	.40	.40	5.90	142
	N.	.56	.43	.47	.35	.69	.88	.77	4.15	
Hazenmore	A.	1.11	.44	.89	1.26	1.81	.30	.21	6.02	135
	N.	.94	.56	.51	.48	.72	.56	.70	4.47	
Shaunavon	A.	1.42	.43	1.17	.70	3.40	1.00	.85	8.97	194
	N.	1.01	.52	.47	.59	.81	.73	.50	4.63	
3BN — Beechy	A.	.72	.13	trace	.70	1.30E	.03	.47E	3.35	70
	N.	1.25	.77	.51	.46	.67	.48	.62	4.76	
Hughton	A.	.38	.72	.55	.70E	1.05E	.43	.50	4.33	93
	N.	1.11	.79	.49	.54	.55	.61	.59	4.68	
Swift Current ..	A.	1.25	1.18	.65	.91	.94	.39	.33	5.65	100
	N.	1.30	.80	.77	.67	.77	.64	.72	5.67	

For footnotes, see page X.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts — Continued

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
SASKATCHEWAN — Continued										
4A — Maple Creek	A.	.50	.86	1.35	1.10	3.00	1.43	.35	8.59	152
	N.	1.29	.72	.79	.62	.80	.83	.59	5.64	
Nashlyn	A.	.42	trace	.50	.60	2.10	.32	.20	4.14	122
	N.	.78	.45	.40	.36	.49	.43	.47	3.38	
4B — Leader	A.	1.36	.87	.84	.71	1.64	.78	.88	7.08	156
	N.	1.11	.72	.55	.47	.55	.46	.67	4.53	
Roadene	A.	1.11	.86	.76	.94	1.15	.39	.64	5.85	99
	N.	1.25	.92	.72	.69	.85	.69	.79	5.91	
5A — Hubbard	A.	1.89	3.16	.45	1.26	1.11	.19	.70	8.76	124
	N.	1.57	.93	.86	.91	.95	.87	.96	7.05	
Yorkton	A.	2.46	2.90	.94	1.38	.62	.44	.46	9.20	136
	N.	1.61	.76	1.00	.88	.81	.63	1.09	6.78	
5B Kristnes	A.	2.07	1.49	.81	1.10	1.05	1.03	1.05	8.60	129
	N.	1.52	.79	1.08	.74	.87	.66	.99	6.65	
Wynyard	A.	1.45	1.31	.79	.85	.68	1.22	.57	6.87	107
	N.	1.60	.85	1.00	.70	.80	.60	.90	6.45	
6A — Davidson	A.	.36	1.03	.50	.85	1.62	.36	1.03	5.75	120
	N.	1.28	.71	.53	.57	.46	.55	.70	4.80	
Nokomis	A.	1.12	.69	.59	1.05	1.10	.55	1.08	6.18	112
	N.	1.39	.75	.70	.58	.77	.69	.64	5.52	
Strasbourg	A.	1.91	.83	.79	.77	1.53	.09	1.25	7.17	125
	N.	1.47	.75	.74	.65	.65	.61	.88	5.75	
6B — Outlook	A.	.29	.45	.44	.68	.88	.26	.55	3.55	88
	N.	1.16	.57	.39	.44	.51	.47	.49	4.03	
Saskatoon	A.	.12	.81	.87	.85	1.02	.22	.83	4.72	84
	N.	1.32	.68	.81	.72	.74	.73	.65	5.65	
Tugaske	A.	.76	.47	.54	.95	.90	1.38	.58	5.58	93
	N.	1.34	.67	.64	.86	.85	.66	.98	6.00	
7A — Kindersley	A.	1.02	1.05	.91	.73	1.28	.41	.78	6.18	156
	N.	1.26	.59	.47	.40	.42	.35	.47	3.96	
Rosetown	A.	.25	.58	.56	.40	.90	.55	.60	3.84	80
	N.	1.29	.78	.54	.61	.61	.47	.50	4.80	
7B — Biggar	A.	.11	.73	.51	.49	1.36	.20	.62	4.02	82
	N.	1.30	.60	.45	.61	.59	.59	.77	4.91	
Macklin	A.	trace	2.00	.90	1.30	1.80	.40	.30	6.70	137
	N.	1.19	.80	.43	.70	.59	.54	.63	4.88	
Scott	A.	.11	1.07	1.02	.62	1.20	.16	.53	4.71	87
	N.	1.19	.78	.76	.76	.68	.59	.66	5.42	

For footnotes, see page X.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts — Continued

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
SASKATCHEWAN — Concluded										
8A — Hudson Bay	A.	.81	3.22	.93	1.43	.47	.25	1.04	8.15	117
	N.	1.70	.85	1.27	.77	.82	.60	.98	6.99	
Lost River	A.	.90	2.23	1.31	1.35	.86	.42	1.55	8.62	134
	N.	1.57	1.02	1.03	.76	.64	.59	.82	6.43	
8B — Humboldt	A.	.58	.84	1.17	.94	1.08	.23	.50	5.34	123
	N.	.68	.57	.52	.51	.34	.84	.87	4.33	
Melfort	A.	.46	1.70	1.19	.82	.48	.47	.62	5.74	86
	N.	1.64	1.01	1.06	.68	.78	.64	.88	6.69	
Pilger	A.	.45	.72	.95	1.80	1.40	.50	.65	6.47	91
	N.	1.60	.92	.95	.90	.83	.78	1.16	7.14	
9A — Cameo	A.	.45	.91	1.43	1.25	.75	.13	.57	5.49	101
	N.	1.72	.80	.66	.62	.48	.33	.81	5.42	
North Battleford	A.	.18	1.50	.81	.89	1.39	.13	.73	5.63	104
	N.	1.15	.93	.74	.82	.66	.53	.58	5.41	
Prince Albert ...	A.	.49	1.10	.87	.97	.77	.17	.33	4.70	73
	N.	1.42	.96	1.05	.94	.71	.61	.71	6.40	
9B — Turtleford	A.	.50	1.05	.90	1.00	.75	.10	.39E	4.69	77
	N.	1.13	.93	.82	1.00	.76	.63	.84	6.11	
SASKATCHEWAN AVERAGE	A.	1.14	1.23	.76	.92	1.15	.39	.66	6.26	113
	N.	1.29	.76	.73	.67	.70	.61	.76	5.53	
ALBERTA										
1 — Consort Wades	A.	.84	1.52	.90	.45	1.55	.30	.88E	6.44	124
	N.	1.10	.81	.58	.55	.66	.59	.92	5.21	
Manyberries	A.	.24	.25	.65	1.38	2.54	.36	.48	5.90	124
	N.	.96	.65	.62	.52	.64	.60	.77	4.76	
Medicine Hat	A.	.84	.60	.68	.47	1.68	.29	.64	5.20	81
	N.	1.49	.81	.77	.75	.85	.80	.98	6.45	
Suffield	A.	1.25	.91	.83	.69	2.07	.36	.48	6.59	133
	N.	1.26	.68	.67	.51	.59	.66	.57	4.94	
2 — Brooks	A.	1.22	1.19	.97	.68	2.07	.49	.57	7.19	136
	N.	1.29	.70	.54	.59	.67	.68	.82	5.29	
Drumheller	A.	.70	1.98	.85	.70E	2.64E	.30	.50	7.67	166
	N.	.97	.78	.58	.50	.40	.50	.90	4.63	
Gleichen	A.	.87	1.41	.61	.14	2.13E	.02	.42	5.60	100
	N.	1.07	.86	.65	.56	.65	.84	.96	5.59	

For footnotes, see page X.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts — Continued

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
ALBERTA — Continued										
2 — Lethbridge	A.	1.53	.42	1.08	.50	1.47	1.14	.54	6.68	92
	N.	1.36	1.07	1.05	.78	.88	1.05	1.06	7.25	
Raymond	A.	1.04	.63	.94	.60	2.31	1.08	.38	6.98	96
	N.	1.28	1.15	1.22	.95	.82	.81	1.06	7.29	
Three Hills	A.	.64	1.80	.80	.53	2.28	.32	.73	7.10	143
	N.	1.27	.93	.53	.45	.49	.58	.70	4.95	
Trochu Equity ...	A.	.74	1.76	1.20	.75	2.43[E]	.20	.90	7.98	148
	N.	.85	.78	.49	.75	.81	.77	.94	5.39	
3 — Calgary	A.	.92	.95	.67	.38	.95	.41	1.07	5.35	90
	N.	1.37	.89	.63	.61	.68	.78	1.01	5.97	
Claresholm	A.	.92	.55	1.06	.59	2.79	.81	.86	7.58	107
	N.	1.31	.95	.93	.80	.76	1.04	1.29	7.08	
High River	A.	.79[E]	.75	1.45	.50	1.42	1.15	1.30	7.36	100
	N.	1.63	1.13	.85	.82	.76	1.00	1.16	7.35	
Pincher Creek ...	A.	1.72	1.17	1.40	.77	2.79	1.54	.93	10.32	111
	N.	1.92	1.34	1.24	1.04	1.12	1.19	1.41	9.26	
4 — Camrose	A.	.59	1.69	1.25[E]	.69[E]	2.08	.30	.37	6.97	135
	N.	1.27	.71	.66	.59	.73	.54	.68	5.18	
Coronation	A.	.91	1.99	1.39	.99	1.78	.32	.82	8.20	149
	N.	1.36	.74	.53	.64	.74	.63	.85	5.49	
Hughenden	A.	.32	.98	.70[E]	.62	1.60[E]	.10	.25	4.57	86
	N.	1.28	.74	.60	.63	.77	.66	.61	5.29	
Ranfurly	A.	.70	1.76	1.02	1.06	1.61	.04	.46	6.65	102
	N.	1.72	.80	.90	.86	.80	.60	.82	6.50	
Stettler	A.	1.04	1.32	1.22	.34	1.70	.47	.53	6.62	121
	N.	1.34	.68	.58	.62	.76	.71	.80	5.49	
Vermilion	A.	.88	1.09	.80	1.02	1.53	.10	.33	5.75	102
	N.	1.53	.74	.64	.75	.71	.54	.70	5.61	
5 — Calmar	A.	1.11	1.29	.97	.69	2.70	.15	1.54	8.45	128
	N.	1.65	.88	.92	.82	.84	.67	.83	6.61	
Edmonton	A.	1.34	1.40	1.02	.73	1.68	.16	.73	7.06	106
	N.	1.35	.90	.88	.99	.95	.77	.83	6.67	
Lacombe	A.	.94	1.79	1.38	.41	2.33	.30	.88	8.03	130
	N.	1.48	.90	.64	.64	.75	.79	.96	6.16	
Rocky Mountain House.	A.	1.29	1.52	1.44	.49	3.05	.71	1.16	9.66	129
	N.	1.94	.98	.78	.95	.87	.93	1.06	7.51	
Wetaskiwin	A.	1.04	1.73	1.31	.63	2.29	.45	1.04	8.49	130
	N.	1.54	.85	.74	.83	.97	.71	.87	6.51	

For footnotes, see page X.

1970 Fall and 1971 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts — Concluded

Province, crop district and station		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total	% of normal
		inches								per cent
ALBERTA — Concluded										
6 — Athabasca	A.	1.39	1.43	.75	1.36	2.32	.36	.90	8.51	115
	N.	1.39	.84	1.03	1.13	1.17	.97	.85	7.38	
Campsie	A.	.34	1.11	1.29	.74	1.57	.06	.85	5.96	95
	N.	1.30	.80	.85	.82	.93	.83	.75	6.28	
Edson	A.	.77	.39	1.18	.56	2.97	.42	1.45	7.74	106
	N.	1.63	.98	1.03	.99	1.00	.75	.95	7.33	
Elk Point	A.	1.05	1.81	1.76	2.00	1.73	.10	1.00	9.45	158
	N.	1.59	.84	.82	.81	.69	.55	.70	6.00	
Iron River	A.	3.83	.98	1.39	1.35	.84	.25	.52	9.16	176
	N.	1.43	.68	.87	.66	.50	.46	.59	5.19	
7 — Beaverlodge	A.	.55	.43	1.94	1.01	2.93	.09	.88	7.83	90
	N.	1.58	1.25	1.29	1.15	1.26	1.16	1.01	8.70	
Fairview	A.	.91	.63	.96	1.01	1.87	.37	.11	5.86	69
	N.	1.34	1.13	1.27	1.33	1.23	1.19	1.03	8.52	
Falher	A.	1.12	1.36	.50	.55	1.65	.80E	.45	6.43	104
	N.	1.32	1.01	.86	.87	.71	.72	.69	6.18	
Fort St. John	A.	1.60	1.40	1.03	1.58	2.18	.57	.54	8.90	108
	N.	1.12	1.21	1.19	1.29	1.22	1.16	1.04	8.23	
Grande Prairie ...	A.	.84	.33	1.55	.88	2.43	.22	.59	6.84	84
	N.	1.25	1.14	1.08	1.33	1.33	1.20	.82	8.15	
Wagner	A.	2.69	1.71	1.30	1.26	2.11	.60	.48	10.15	145
	N.	1.48	.90	1.07	1.16	.87	.92	.59	6.99	
ALBERTA AVERAGE	A.	1.07	1.19	1.09	.79	2.06	.42	.72	7.33	114
	N.	1.38	.90	.83	.81	.83	.79	.88	6.42	

E — Estimated.
A. — Actual
N. — Normal basis 1931-60.

Source: Meteorological Branch, Department of Transport.