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(Including Monthly Summary of Fall and Winter Precipitation)
September 1, 1976 to March 31, 1977

TELEGRAPHIC CROP REPORT – PRAIRIE PROVINCES

This is the tenth of the 1977 series of eleven telegraphic reports issued by Statistics Canada, 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 Atmospheric Environment Service, Department of the Environment.

SUMMARY

Prairie Provinces. – Harvesting operations have been delayed throughout most of the Prairie Provinces due to the cool, wet weather. Conditions vary considerably as some regions in western Saskatchewan and southern Alberta are well into harvesting while in Manitoba, which has been hardest hit, harvesting is almost at a standstill. Most areas report progress to be later than last year and some grain quality problems are evident. The heavy frosts, that have been reported periodically, are also expected to decrease the yield potential. Dry weather is urgently needed.

Manitoba. – Cool, wet weather is delaying harvesting. Fields are soft and expectations are that yields and quality will be below average. Losses are occurring from shelling, sprouting and lodging. Grain dryers are in use in some places. Second-cut hay has deteriorated with shortages expected in the northwest and Interlake district. However, pastures are in good condition.

Agriculture Division
Crops Section

4-3102-508

Saskatchewan. – Harvesting operations are not as far advanced as at this time last year due to continuing cool, wet weather. The majority of crops have been swathed but slightly more than half of the crops remain to be combined. Harvesting progress is furthest advanced in the southern districts. In contrast to this, combining has only started in the northern quarter of the province. Heavy frosts have been reported in all areas of Saskatchewan in the past two weeks. More sunny weather is urgently needed for harvesting to resume.

Alberta. – Cold, showery weather during August and the first part of September prevented most farmers from making significant harvest progress. Warm, sunny weather accompanied by brisk winds during the last few days has rapidly dried swaths and threshing is now in full swing. Harvest operations are furthest advanced in southern and eastern Alberta where some areas are indicating that up to 50 per cent of the crops are now in the bin. Yields are variable with irrigated crops producing average to slightly above average while dryland crops are well below normal. Frost damage has been widespread on late-seeded crops in the western and northern parts of the province.

Precipitation and Temperature Data, Prairie Provinces(1)

	Unweighted Average Precipitation		
	Per cent variation from normal(2)		
	Man.	Sask.	Alta.
April 1, 1977 – September 12, 1977	+ 26	+ 2	+ 5
April 1, 1977 – September 5, 1977	+ 17	– 2	+ 4
April 1, 1977 – August 29, 1977	+ 11	+ 2	+ 4
April 1, 1976 – September 13, 1976	– 23	+ 1	+ 16
	Mean Temperature		
	°C variation from normal(2)		
	Man.	Sask.	Alta.
For the week ending September 12, 1977	+ 0.7	+ 0.5	+ 0.4
For the week ending September 5, 1977	– 0.4	– 0.7	– 2.3
For the week ending August 29, 1977	– 1.2	– 0.2	– 1.5
For the week ending September 13, 1976	+ 4.9	+ 2.5	+ 0.2

(1) Source: Atmospheric Environment Service.
(2) Positive sign indicates above normal and negative sign indicates below normal.

MANITOBA

At Altona harvesting has started again under wet conditions after a delay of two weeks of showery weather which brought 60 to 70 mm of moisture. Grains are sprouting in the swath and quality is deteriorating. Some wind and hail damage has occurred in flax, buckwheat, rapeseed and field peas. Tillage is also in progress under wet conditions. Melita district farmers have been able to do little or no combining for the last ten days due to intermittent rain. Swaths are still up on stubble but grain is tending to bleach. Swathing is still progressing between rains and haying has been completed. Pastures are getting low and stubble is being grazed in most areas.

Reports from Beausejour indicate almost no progress in harvesting. Crop yields are deteriorating due to the excessive moisture. Swaths are showing signs of sprouting as well as losses from shelling. Winds have lodged some standing crops and second-cut hay is deteriorating seriously. The third-cut hay is growing well and pastures are good. A limited amount of fall tilling has been accomplished. At Selkirk farm operations are at a standstill; almost 75 mm of rain last week caused serious ponding and crop deterioration. Some sprouting is also reported. One week of dry weather is needed to enable farmers to resume combining. Livestock and pasture conditions are excellent. In the Portage la Prairie district steady rains during the last two weeks delayed harvesting with 100 mm of precipitation reported in the last week. Both yields and grades have been affected. Blackbird damage is critical in corn and sunflowers and buckwheat and other cereals are also affected to some extent. Vegetable crops are doing well with the harvest in full swing. Rye seeding is nearly finished with the moist weather favouring this crop.

Reports from the Interlake area indicate that about 25 per cent of the harvesting has been completed at Teulon and ten per cent at Gimli. Rainfall of 96.9 mm has virtually stopped harvesting except for farmers with grain dryers. Yields and quality of grain are dropping but it is expected that yields will still be above average given favourable weather. Some sprouting in the swath is reported and near Winnipeg Beach and Gimli some fields are too wet for combining. Nevertheless 70 per cent of the combined acreage has been fall tilled. Pastures are good and there has been some second-cut of poor quality hay. Some 50 per cent of acreage still remains to be cut. Farther north at Arborg harvesting is at a standstill also and crops are deteriorating in the swath with some sprouting taking place. However, the last two days have been sunny and combining got under way again but grain that has been taken off had to be dried. There is water lying in some fields and pastures.

At Neepawa in the west-central part of the province rain has held up harvesting operations for two weeks. Hay and crop quality has deteriorated because of the rain. Some 50 per cent of the crop has been swathed and ten per cent combined. The wet conditions have hampered the carrying capacity of harvest equipment on some soils. At Minnedosa the situation is very similar with cool, wet weather delaying harvesting. It is estimated that 75 per cent of the swathing has been finished but less than 15 per cent of the crops have been combined. The late-seeded crops, delayed by cool weather, are remaining green. Blackbirds are a problem in oat fields and second-cut alfalfa is still lying in the swath and is badly weathered. Pastures are good.

Shoal Lake district farmers were able to resume swathing over the weekend but combines are still idle. Considerable frost damage has been reported to late-seeded rapeseed; generally crops are not advancing in maturity as the cool weather continues. Duck damage to some grain has been reported in the northern parts of the district. Rain on the night of September 12 put a stop to harvesting.

Reports from Dauphin indicate that about 25 per cent of the crop has been combined but 80 per cent has been swathed. Continuing cool, wet weather has reduced quality and yield of an above average crop. Late-seeded crops are remaining green and considerable rust on oats expecially has been reported. A good deal of second cut alfalfa has spoiled in the swath. Pastures are fair to good. At Swan River the harvesting is stalled with 15 to 20 per cent of the crop harvested. Although yields are good, quality is only fair. Sprouting is general in rye, wheat and barley and there is a large amount of rust appearing in oats. Covered hay is in good condition but other hay is in short supply and of poor quality.

SASKATCHEWAN

Most of the grain has been swathed but very little combining has been done at Indian Head. Last year at this time, most of the crop had been combined. The weather has been cool and damp for the past two weeks. The few fields that have been combined have yielded well above average.

In the southwest of the province at Swift Current, harvesting has been delayed by damp weather. Combining is 70 per cent completed. Yields are better than expected with wheat averaging 33 bushels, barley 50 and oats 65. Grain samples have been of good quality. Soil moisture is below normal in stubble fields. At Leader dry weather has allowed most of the harvest to be completed. Yields are above average but some loss in grade has occurred.

In the central part of the province at Drake, no wheat has been combined in the past three weeks due to wet, cloudy, cool weather. The grade and weight are being affected. The rape and barley crops have been combined and swathing is generally 95 per cent completed. Considerable hail damage was reported in the area on August 24 and September 9. Two weeks of good weather are required to complete the harvest. Pastures are bare. Our correspondent at Craik reports that the combining of wheat is 50 per cent completed but there has been a loss in quality due to the poor weather. The rapeseed crop is 25 per cent harvested with an average yield of 25 bushels reported. Some wheat has been taken off in tough condition and some grains are not cured as yet. The weather has been poor for harvesting but heavy rains have fallen. In the Saskatoon area, little harvesting has been evident during the past two weeks due to the frequent showers and cool weather. About 80 per cent of the crop has been swathed and 25 per cent combined. Most of the swathed grain is in good condition but some sprouting and mold development has occurred in a few fields.

At Rosetown in the west-central part of the province, the crop is 95 per cent swathed with 50 per cent harvested. Harvesting has been stopped for the last 12 days due to the cool, showery weather. To date, the wheat is grading no. 1 and averaging 30 bushels per acre. Most of the barley is being accepted for malting. Frost has been reported during three nights in the past two weeks but it is difficult to ascertain how much damage has been done. In the area around Scott,

continuous wet weather since the last report has caused a complete stop of harvesting operations. Only ten per cent of the wheat, 50 per cent of the barley, 75 per cent of the oats and 50 per cent of the rapeseed has been threshed to date. Some wheat is starting to sprout in the swath. Drier weather is urgently needed.

In the northeast of the province at Melfort, harvesting is being delayed due to the wet, cool weather. Some crops have been in the swath for over three weeks and are deteriorating in quality. Some sprouting of grain, while in the swath, has been reported. There are still crops that have not ripened in spite of the fact that they have been in the ground for over 100 days. These crops are showing some frost damage in low areas. The yields of early-seeded crops that have been combined vary considerably. The farmers will be considering dryers but the fields are soft due to recent rains. Hot, dry weather is urgently needed.

The Saskatchewan Municipal Hail Insurance Association reports hail storms on August 24, 25 and 26 at Fenwood, Goodeve, Fort Qu'Appelle, Osage and Mutrie. A 70 by 6 mile strip from the Alberta border north of the south Saskatchewan River to Elrose suffered severe damage. August 29 - September 5 storms at Langenburg, Churchbridge, Watson, Humboldt, Cudworth, Petrofka, North Battleford, Medstead, Spiritwood, Debden, Prince Albert, Nipawin, White Fox, Carlyle and Arcola. September 7 and 8 storms: from Jansen to Harris, ten miles wide including Donavon, Young, Drake and Watrous. These later storms have caused severe damage to rapeseed crops which were mostly in swath.

ALBERTA

In the southeast section of the province near Medicine Hat many crops were unable to be combined and were either baled for feed or used to pasture livestock. This area is going into winter with one of the lowest livestock water reserves ever recorded. Harvesting in the dryland regions is nearing completion. Crop yields on drylands are much below normal with wheat yielding only four to 18 bushels per acre. An exceptional area along the north edge of the Cyprus Hills is experiencing wheat yields as high as 30 to 35 bushels.

In the southwest section of the province at Lethbridge the harvest of spring-sown cereals is 75 to 80 per cent completed. Spring wheat on fallow is yielding 20 to 30 bushels while barley on fallow is yielding 30 to 45. Seeding of winter wheat is nearing completion. Heavy, late growth of weeds and volunteer grain is evident in most fields following mid-August rains. These rains provided the moisture needed for good regrowth of dryland alfalfa; however, native pastures still remain sparse.

In the south-central regions harvesting is being delayed by light showers. Near Brooks most irrigated crops are yielding only average and yields on dryland crops are below average. Quality of second-cut hay is reported to be average to below average due to the recent damp weather. Vegetable crops are slightly above average in both yield and quality. Harvesting in the Vulcan area is about 65 per cent completed and could be completed with three to four days of good weather. The average yields for crops in this area are wheat 18, barley 33, rye 30, rapeseed 22, oats 35, and flaxseed 12 bushels per acre. Hay and pasture conditions continue to be poor.

In the northeast-central region near Vermilion rain almost every day has delayed harvesting and is starting to cause severe second growth sprouting. With good weather combining will start today. Yields of all crops harvested have been about average.

In the western part of the province crops have been slow to mature and frost damage is widespread especially on late-seeded crops. Many fields have been swathed but less than 20 per cent have been combined. Only average yields are expected. Near Red Deer swathing is general but little combining has been done due to the wet weather and some crops are sprouting in the swath. Yields are expected to be about average but lower grades are reported. At Lacombe cold, damp weather has been prevalent most of the month. Scattered hail storms were experienced on August 26, September sixth and seventh. Swathing is about 25 per cent complete and sprouting in the swath is becoming a problem. A few rapeseed fields have been combined. There was a frost on September second; however, no killing frost has since been experienced. In the Eckville district swathing started August 18 and is now 80 per cent completed. Combining began September 12 but was halted the next day. Barley is yielding 50 bushels per acre but is weathered. Cool, showery weather during the past month has hampered haying and harvesting. On September seventh some hail damage was experienced 12 miles south of Eckville.

In the Peace River District harvest progress has been variable. Near Fort Vermilion well over half the crop is being combined but the High Prairie-Valleyview areas report very little taken off as yet. At Beaverlodge swathing is still in progress and some combining has been completed. Yields in cereal crops are generally lower than average. A September first frost damaged some late-seeded crops.

The Alberta Hail and Crop Insurance Corporation reports major hail storms on August 26, 29 and 31 and on September sixth and seventh as well as a number of isolated storms. On August 26 an area bounded by Ponoka, Red Deer, Rocky Mountain House and Provost was covered by an afternoon and evening storm. The most severe damage was confined to a strip ten miles wide from Bentley to Delburn. An isolated storm on the same day was reported from east of Fort Saskatchewan. On August 29 a storm beginning at three p.m. north of Vauxhall travelled in a southeasterly direction to north of Bow Island. Another afternoon storm originated south of Westlock and moved southeasterly on a broad front. Damage was reported from Clyde, Thorhild, Tawatinaw, Two Hills and Minburn. On August 31 an afternoon storm inflicted moderate damage between Blackie and Vulcan. An evening storm on the same day damaged crops from north of Taber to Grassy Lake. A late evening storm on September sixth moving from west to east damaged crops in the Joffre district. On September seventh a severe storm originated near Breton and travelled in a southeasterly direction to Provost. Moderate to heavy damage was reported from Leduc, Camrose, Daysland and Provost. A late afternoon storm the same day began near Rocky Mountain House and travelled southeasterly to north of Three Hills. Crops were severely damaged over most of the county of Red Deer and in the Elnora and Three Hills district. Isolated storms were reported from Derwent and Fort Kent on September eighth. On September ninth Thorhild and Grimshaw also reported isolated storms. On September tenth a storm travelling from Fort Assiniboine to east of Thorhild damaged mature crops of barley and rapeseed.

Precipitation and Temperature Data, Prairie Provinces(1)

Données sur les précipitations et la température provinces des prairies(1)

Province and crop district — Province et district agricole	Station	Precipitation — Précipitations			Mean temperature week ending 8 a.m. September 12 — Température moyenne semaine se terminant 8 a.m. le 12 septembre	
		Week ending 8 a.m. September 12, 1977 — Semaine se terminant 8 a.m. le 12 septembre 1977	Total since April 1 — Total depuis le 1er avril	Normal since April 1 — Normales depuis le 1er avril	1977	Normal — Normale
		mm			degrees — degrés C	
MANITOBA						
1	Boissevain	34.8	354.3	333.9	14	12
	Pierson	6.3	251.8	290.0	14	12
2	Baldur	43.2	364.8	394.1	13	12
	Pilot Mound	54.1	397.1	378.4	13	12
3	Altona	40.9	437.5	317.8	13	13
	Deerwood	N	364.2	364.0	..	13
	Graysville	61.2	451.2	329.6	13	12
	Morden	56.6	423.9	343.9	14	13
	Morris	45.5	474.0	329.6	14	13
	Plum Coulee	20.1	404.1	338.4	14	13
	Portage la Prairie	59.4	406.5	366.3	13	13
	Roland	46.7	358.9	310.0	13	13
4	Stoney Mountain	54.4	444.2	376.9	12	12
5	Emerson	30.2	426.1	349.0	14	13
	Steinbach	39.4	435.9	363.2	14	12
	Winnipeg	72.6	544.0	348.2	13	13
	Starbuck	68.3	552.4	364.4	13	13
6	Pinawa	90.4	552.4	341.8	12	12
	Sprague	34.8	345.3	386.8	12	11
7	Virden	28.9	300.2	323.6	13	12
8	Brandon	37.4	424.9	297.8	13	12
	Cypress River	48.0	582.3	323.4	13	12
9	Gladstone	44.4	459.6	313.2	13	11
10	Birtle	14.2	313.5	338.3	11	11
	Rossburn	41.7	460.8	368.5	11	11
	Russell	20.1	418.1	273.9	11	11
11	Dauphin	47.6	485.5	327.9	12	12
12	Arborg	71.4	508.5	310.6	12	12
	Gimli	96.3	493.9	336.8	13	12
13	Swan River	22.8	364.5	303.1	11	11
	The Pas	13.4	352.4	278.1	11	10
14	Grass River	40.1	391.0	316.9	13	11
AVERAGE — MANITOBA — MOYENNE		43.3	423.2	335.6	12.7	12.0
SASKATCHEWAN						
1A	Carlyle	..	218.6(2)	297.0	..	11
	Estevan	10.6	207.0	281.4	15	13
	Oxbow	16.8	227.0	270.1	13	11
	Willmar	12.7	185.6	287.2	..	11
1B	Broadview	4.9	324.8	308.4	11	11
	Moosomin	20.6	312.9	330.1	12	11

Precipitation and Temperature Data, Prairie Provinces(1)

Données sur les précipitations et la température provinces des prairies(1)

Province and crop district — Province et district agricole	Station	Precipitation — Précipitations			Mean temperature week ending 8 a.m. September 12 — Température moyenne semaine se terminant 8 a.m. le 12 septembre	
		Week ending 8 a.m. September 12, 1977 — Semaine se terminant 8 a.m. le 12 septembre 1977	Total since April 1 — Total depuis le 1er avril	Normal since April 1 — Normales depuis le 1er avril	1977	Normal — Normale
		mm			degrees — degrés C	
SASKATCHEWAN — Continued — suite						
2A	Yellow Grass	2.0	271.6	270.2	13	12
	Weyburn	3.6	318.9	266.9	13	12
	Midale	2.5	200.7	284.0	14	12
	Amulet	1.5	292.7	272.5	13	12
2B	Moose Jaw	1.1	271.2	245.6	14	13
	Regina	0.9	248.8	268.6	13	12
	Francis	..	508.6(2)	269.9	..	11
	Indian Head	3.4	280.3	268.8	12	11
3AS	Ormiston	0.8	227.9	248.5	14	12
	Cardross	1.3	292.9	261.0	13	12
	Rock Glen	0.4	225.3	268.8	15	12
3AN	Coderre	0.5	270.0	246.1	13	12
	Chaplin	6.6	226.9	244.7	13	12
3BS	Shaunavon	tr	172.0	233.9	12	12
	Aneroid	tr	239.1	211.6	13	12
3BN	Swift Current	1.0	255.1	251.2	12	12
	Pennant	..	207.2(2)	235.1	..	12
	Elrose	tr	274.6	212.6	12	12
4A	Maple Creek	2.3	177.7	219.1	13	13
	Consul	tr	126.6	190.1	13	12
4B	Leader	tr	162.1	217.6	13	13
5A	Balcarres	..	258.0(2)	257.4	..	12
	Lipton	4.3	254.9	266.1	11	12
	Yorkton	30.6	299.2	273.0	11	11
	Atwater	7.1	392.8	271.0	12	11
5B	Wynyard	14.4	330.3	261.7	11	11
	Foam Lake	14.7	166.0	253.5	9	11
	Kuroki	40.6	221.7	284.0	11	10
	Kamsack, Cote	13.7	337.8	255.7	11	11
6A	Davidson	8.4	284.1	241.1	13	11
	Strasbourg	8.1	252.4	271.2	12	12
	Watrous	4.8	324.9(2)	260.6	11	12
6B	Harris	20.1	237.8(2)	217.6	12	11
	Outlook	2.8	239.5	216.1	11	12
	Saskatoon	17.4	254.6	198.6	11	12
	Elbow	7.4	208.5	214.3	13	12
	Tugaske	0.5	199.5	253.3	12	12
	Dundurn	15.7	185.8	231.3	12	12
7A	Alsask	0.3	156.0	187.2	12	12
	Kindersley	2.4	211.5	204.0	12	12
	Rosetown	3.8	228.3	237.0	11	12

Precipitation and Temperature Data, Prairie Provinces(1)

Données sur les précipitations et la température provinces des prairies(1)

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		mm			degrees — degrés C	
SASKATCHEWAN — Concluded — fin						
7B	Macklin	27.7	260.3	253.8	11	11
	Denzil	15.7	277.4	250.2	11	11
	Scott	16.3	204.1	243.6	10	10
	Biggar	22.1	248.9	241.3	11	11
8A	Hudson Bay	47.2	363.5	284.3	11	10
	Prairie River	43.2	330.5	283.9	10	10
	Nipawin	18.2	375.6	258.2	11	11
8B	Humboldt	32.6	279.7	229.6	11	11
	Melfort	29.5	345.2	239.5	11	11
9A	North Battleford	18.1	259.5	238.1	11	11
	Prince Albert	46.1	384.2	247.6	11	11
9B	Meadow Lake	14.4	315.2	320.2	11	9
	Waseca	22.6	303.1(2)	288.1	11	10
AVERAGE — SASKATCHEWAN — MOYENNE		11.9	257.7	253.2	12.0	11.5
ALBERTA						
1	Empress	1.0	133.4	161.2	13	12
	Foremost	2.8	167.3	213.4	13	13
	Manyberries	2.8	152.0(2)	206.3	14	13
	Medicine Hat	tr	187.9	217.3	14	13
2	Brooks	1.1	235.0	232.3	13	12
	Gleichen	1.0	204.5	273.2	10	11
	Vauxhall	N	106.0	215.8	12	12
	Raymond	2.0	141.0	278.5	12	12
	Lethbridge	5.4	203.4	274.5	13	13
	Elnora	12.4	233.9	280.7	..	11
	Queenstown	tr	204.5	293.3	12	11
3	Calgary	4.4	296.5	307.8	11	11
	Cardston	3.0	228.4	249.8	12	11
	Pincher Creek	8.6	202.1	321.1	12	11
	Fort MacLeod	6.3	198.5	287.5	13	13
	Claresholm	1.8	195.9	288.8	16	12
	High River	N	238.0	328.3	10	11
	Olds	2.3	288.1	325.3	10	10
4	Alliance	20.8	316.3	282.0	11	11
	Coronation	20.0	244.0	239.3	10	11
	Hughenden	19.4	360.9	263.2	11	11
	Lloydminster	14.0	406.4	282.7	11	11
	Stettler	30.2	266.3	288.2	12	11

Precipitation and Temperature Data, Prairie Provinces(1)

Données sur les précipitations et la température provinces des prairies(1)

Province and crop district — Province et district agricole	Station	Precipitation — Précipitations			Mean temperature week ending 8 a.m. September 12 — Température moyenne semaine se terminant 8 a.m. le 12 septembre	
		Week ending 8 a.m. September 12, 1977 — Semaine se terminant 8 a.m. le 12 septembre 1977	Total since April 1 — Total depuis le 1er avril	Normal since April 1 — Normales depuis le 1er avril	1977	Normal — Normale
		mm			degrees — degrés C	
ALBERTA — Concluded — fin						
4	Vegreville	9.5	342.5	293.4	9	11
	Ranfurly	5.6	310.8(2)	293.0	11	10
	Vermilion	14.9	299.7	273.1	11	10
5	Edmonton	2.4	344.2	315.8	10	11
	Lacombe	26.4	399.8	314.9	10	10
	Red Deer	29.9	390.5	310.3	13	11
	Rocky Mountain House	8.9	496.3	373.4	10	10
	Gwynne	6.9	355.2	318.3	10	11
6	Campsie	2.3	400.4	304.3	9	9
	Edson	7.8	574.6	369.7	9	9
	Elk Point	11.7	392.2	279.7	9	9
	Whitecourt	3.8	525.7	347.0	9	9
7	Beaverlodge	4.8	313.2	262.2	9	10
	Chipewyan	2.4	233.7	179.8	10	8
	Ft. Vermilion	2.8	241.5	209.8	11	8
	Grande Prairie	1.6	334.6	250.3	11	9
	High Prairie	..	219.5(2)	267.0	..	9
	Peace River	2.8	283.9	205.7	11	10
AVERAGE — ALBERTA — MOYENNE		7.6	289.1	275.1	11.2	10.8

(1) Source: Atmospheric Environment Service. — Service de l'environnement atmosphérique.
(2) Incomplete; not included in average. — Incomplet; non compris dans la moyenne,
.. Figures not available. — Données indisponibles.
N. Nil. — Néant.

1976 Fall and 1977 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts

Précipitations enregistrées à l'automne 1976 et hiver 1977 aux stations d'observation dans les provinces des Prairies par districts agricoles

Province, crop district and station — Province, district agricole et station		Sept.	Oct.	Nov.	Dec. — Déc.	Jan.	Feb. — Fév.	Mar.	Total	% of normal — % de la normale
					mm					%
MANITOBA										
1 — Boissevain	A.	1.6	6.4	—	30.4	12.8	15.2	2.6	69.0	40
	N.	38.9	25.2	19.4	19.0	24.6	18.2	26.0	171.3	
Lyleton	A.	1.8	8.4	0.8	21.4	17.6	13.0	0.8	63.8	35
	N.	43.9	25.9	19.4	21.6	27.9	17.0	27.2	182.9	
Pierson	A.	—	6.4	0.8	24.6	17.2	15.8	—	64.8	40
	N.	31.8	22.0	18.6	20.0	24.8	22.6	21.4	161.2	
2 — Pilot Mound	A.	12.6	4.1	3.2	33.0	19.2	17.5	3.7	93.3	45
	N.	54.3	31.4	25.4	18.6	27.9	20.4	30.5	208.5	
3 — Morden	A.	6.0	2.6	2.8	21.6	17.0	20.8	7.8	78.6	37
	N.	47.2	31.4	28.7	24.6	27.2	19.4	36.6	215.1	
Portage la Prairie	A.	4.3	11.9	1.8	20.1	14.5	24.6	7.0	84.2	40
	N.	50.0	30.4	31.2	20.0	25.9	22.0	32.0	211.5	
Roland	A.	—	—	1.6	—	14.2	17.2	T.	33.0	17
	N.	46.2	28.4	25.9	20.8	23.6	18.2	32.0	195.1	
5 — Winnipeg	A.	9.9	2.5	0.8	18.2	12.5	20.9	9.9	74.7	36
	N.	52.3	34.8	27.2	22.8	23.6	19.0	26.2	205.9	
6 — Great Falls	A.	10.6	1.2	1.2	10.4	14.0	21.4	—	58.8	27
	N.	56.6	31.5	29.7	28.7	29.7	20.8	22.0	219.0	
Indian Bay	A.	8.8	3.4	5.0	3.8	18.6	28.2	6.8	74.6	30
	N.	59.4	36.6	31.8	33.5	31.8	23.4	31.2	247.7	
Pinawa	A.	7.6	8.8	4.8	2.0	23.2	32.0	13.8	92.2	42
	N.	59.7	39.1	24.4	24.2	26.7	17.8	26.2	218.1	
Sprague	A.	15.4	7.8	0.6	25.4	18.6	40.6	27.2	135.6	63
	N.	62.7	34.3	26.7	23.6	24.4	17.6	26.4	215.7	
7 — Virden	A.	—	3.0	1.0	36.4	10.4	8.8	8.6	68.2	34
	N.	49.3	28.7	25.7	24.6	27.4	20.0	25.4	201.1	
8 — Brandon	A.	11.5	5.1	1.3	27.9	14.7	8.6	2.9	72.0	40
	N.	44.5	24.2	22.0	21.4	21.6	18.2	26.2	178.1	
10 — Birtle	A.	—	7.6	4.6	—	—	—	12.2	24.4	12
	N.	52.8	27.4	25.9	22.4	23.8	18.8	25.9	197.0	
11 — Dauphin	A.	8.5	7.1	3.8	31.8	6.3	14.3	18.1	89.9	46
	N.	46.0	24.8	27.9	24.8	23.8	19.6	28.4	195.3	
12 — Gimli	A.	5.7	5.5	5.4	22.4	14.6	42.3	12.4	108.3	50
	N.	50.3	39.9	33.5	26.7	25.4	20.6	22.4	218.8	
AVERAGE — MANITOBA — MOYENNE	A.	8.0	5.7	2.5	21.9	15.3	21.3	8.9	84.0	41(1)
	N.	49.8	30.3	26.1	23.4	25.9	19.6	27.4	202.5	

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1976 Fall and 1977 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts – Continued

Précipitations enregistrées à l'automne 1976 et hiver 1977 aux stations d'observation dans les provinces des Prairies par districts agricoles – suite

Province, crop district and station – Province, district agricole et station		Sept.	Oct.	Nov.	Dec. – Déc.	Jan.	Feb. – Fév.	Mar.	Total	% of normal – % de la normale
					mm					%
SASKATCHEWAN										
1A – Arcola	A.	3.6	3.8	–	19.0	8.8	8.8	7.6	51.6	40
	N.	28.7	17.0	16.2	17.0	14.0	14.8	22.0	129.7	
Estevan	A.	11.9	–	3.4	13.6	17.2	5.0	1.1	52.2	34
	N.	35.3	23.6	19.6	19.8	19.6	16.6	17.8	152.3	
Oxbow	A.	1.2	2.6	3.4	15.2	12.8	–	6.4	41.6	29
	N.	27.7	21.6	22.4	16.8	16.8	18.6	18.0	141.9	
1B – Broadview	A.	3.1	6.1	5.6	31.3	4.9	7.6	7.7	66.3	41
	N.	42.2	20.6	24.8	18.0	17.6	14.8	24.6	162.6	
2A – Weyburn	A.	12.4	1.2	3.6	17.0	14.4	3.4	3.6	55.6	46
	N.	35.8	17.0	13.0	14.8	15.8	11.2	13.8	121.4	
2B – Francis	A.	5.0	1.2	5.0	6.4	3.8	3.8	7.2	32.4	27
	N.	33.3	17.2	15.0	14.2	16.8	12.4	12.4	121.3	
Indian Head	A.	4.6	4.0	2.8	28.4	9.4	4.6	5.8	59.6	36
	N.	36.6	23.2	22.4	20.0	20.8	18.6	22.0	163.6	
Moose Jaw	A.	2.1	4.6	2.7	15.2	10.3	1.9	10.9	47.7	33
	N.	35.8	19.0	18.6	20.6	18.2	14.0	17.0	143.2	
Regina	A.	2.8	2.3	2.6	15.8	6.9	0.8	10.1	41.3	29
	N.	36.3	19.0	18.0	16.2	18.0	17.2	18.2	142.9	
3AS – Limerick	A.	T.	T.	1.2	16.6	12.8	7.6	12.8	51.0	37
	N.	37.6	16.6	16.8	19.4	22.4	14.2	9.4	136.4	
Radville	A.	13.2	–	T.	–	–	10.2	7.6	31.0	21
	N.	34.0	16.6	14.8	19.4	25.2	21.0	19.8	150.8	
3AN – Gravelbourg	A.	5.4	3.8	–	14.0	–	8.2	19.4	50.8	40
	N.	30.0	15.8	16.2	19.8	20.0	13.8	12.8	128.4	
3BS – Shaunavon	A.	1.2	2.6	–	12.8	12.8	10.2	21.6	6.12	45
	N.	29.5	14.8	14.4	15.4	26.2	19.6	15.0	134.9	
Val Marie	A.	5.6	7.8	–	–	–	T.	–	13.4	11
	N.	17.8	13.0	16.6	15.4	20.0	17.0	20.0	119.8	
3BN – Beechy	A.	–	–	–	–	–	10.2	–	10.2	8
	N.	35.3	20.0	14.2	13.0	20.4	15.8	16.2	134.9	
Swift Current	A.	4.2	1.2	5.2	20.0	18.3	3.4	17.3	69.6	46
	N.	35.0	20.6	19.4	19.0	22.0	17.2	18.2	151.4	
4A – Maple Creek	A.	10.2	4.8	16.2	12.0	24.4	2.6	21.8	92.0	61
	N.	32.2	19.4	16.2	20.4	27.7	18.8	15.0	149.7	
Nashlyn	A.	4.6	2.6	12.8	5.0	15.2	0.6	7.6	48.4	51
	N.	21.4	10.2	10.2	11.0	17.8	13.0	11.4	95.0	
4B – Leader	A.	–	2.0	4.6	27.6	–	3.4	21.8	59.4	45
	N.	32.8	18.6	15.2	12.0	19.8	15.4	18.2	132.0	
Roadene	A.	2.6	0.6	5.0	17.2	11.2	6.4	12.0	55.0	37
	N.	33.5	22.8	16.8	18.2	22.0	14.8	20.0	148.1	

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1976 Fall and 1977 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts - Continued

Précipitations enregistrées à l'automne 1976 et hiver 1977 aux stations d'observation dans les provinces des Prairies par districts agricoles - suite

Province, crop district and station - Province, district agricole et station		Sept.	Oct.	Nov.	Dec. - Déc.	Jan.	Feb. - Fév	Mar.	Total	% of normal - % de la normale
					mm					%
SASKATCHEWAN - Continued - suite										
5A - Kelliher	A.	3.6	8.4	8.8	42.0	6.6	6.0	31.4	106.8	64
	N.	38.6	26.9	19.6	17.8	22.4	17.0	23.8	166.1	
Yorkton	A.	2.0	4.2	3.5	40.2	4.2	12.4	21.5	88.0	49
	N.	42.4	23.2	27.2	21.0	21.6	19.4	25.2	180.0	
5B - Wishart	A.	2.0	8.4	13.2	34.2	11.6	-	17.8	87.2	52
	N.	40.6	21.0	24.2	20.6	22.4	18.0	21.8	168.6	
6A - Davidson	A.	11.0	0.8	0.8	26.6	8.4	3.8	19.8	71.2	51
	N.	35.3	19.4	16.0	17.0	16.0	17.0	18.0	138.7	
Nokomis	A.	7.4	3.8	0.6	5.0	4.6	T.	2.6	24.0	15
	N.	41.1	23.2	18.8	17.2	24.8	15.8	15.8	156.7	
Strasbourg	A.	4.8	11.0	3.8	19.6	9.4	1.6	20.8	71.0	47
	N.	38.3	20.6	17.6	19.0	17.2	15.8	21.0	149.5	
6B - Saskatoon	A.	20.1	3.6	2.6	15.1	7.3	4.7	8.5	61.9	44
	N.	33.0	19.0	18.8	18.2	18.2	18.0	16.8	142.0	
Tugaske	A.	6.6	3.8	2.8	15.4	20.6	2.6	18.6	70.4	45
	N.	38.6	19.8	16.2	20.0	21.4	17.6	22.8	156.4	
7A - Kindersley	A.	-	2.9	1.5	15.0	6.7	0.2	7.7	34.0	29
	N.	33.5	16.8	11.4	13.2	16.2	11.2	13.0	115.3	
Rosetown	A.	10.0	1.0	2.0	22.8	14.8	6.4	9.6	66.6	54
	N.	34.8	17.8	13.8	14.4	16.8	12.8	13.4	123.8	
7B - Biggar	A.	11.0	2.6	2.0	23.6	12.2	6.4	6.6	64.4	52
	N.	28.7	17.2	13.8	15.2	15.2	15.0	18.8	123.9	
Macklin	A.	14.8	2.8	1.8	29.2	23.6	2.6	2.6	77.4	56
	N.	31.8	18.6	14.2	20.0	19.4	17.2	17.0	138.2	
Scott	A.	7.8	T.	1.2	-	15.4	5.4	5.8	35.6	28
	N.	30.4	18.0	16.2	17.0	16.6	13.4	17.0	128.6	
8A - Hudson Bay	A.	6.9	14.5	5.0	25.1	4.7	21.3	28.5	106.0	59
	N.	45.4	25.6	29.0	20.6	21.0	16.0	23.6	181.2	
Lost River	A.	10.6	15.8	3.4	30.0	3.6	38.8	15.4	117.6	64
	N.	39.6	28.4	26.1	22.8	21.0	21.0	24.2	183.1	
Melfort	A.	-	18.6	-	-	-	8.4	23.2	50.2	30
	N.	39.8	26.9	22.0	25.9	19.4	18.0	18.0	170.0	
Pilger	A.	4.0	-	-	-	-	12.8	-	16.8	9
	N.	42.4	27.6	20.8	20.8	23.6	22.0	29.4	186.6	
9A - Cameo	A.	12.2	8.8	8.6	21.6	5.6	8.2	22.6	87.6	53
	N.	34.5	22.0	23.8	22.4	20.8	18.2	23.2	164.9	
North Battleford	A.	14.8	5.9	1.8	20.6	11.1	2.4	11.9	68.5	50
	N.	25.4	20.6	17.6	20.0	19.6	16.0	17.6	136.8	
Prince Albert	A.	-	11.1	4.7	22.8	4.7	7.9	13.6	64.8	42
	N.	34.8	24.2	20.6	22.0	17.2	16.8	18.8	154.4	

For footnote(s) see page IX. - Voir renvoi(s) à la page IX.

1976 Fall and 1977 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts – Continued

Précipitations enregistrées à l'automne 1976 et hiver 1977 aux stations d'observation dans les provinces des Prairies par districts agricoles – suite

Province, crop district and station – Province, district agricole et station		Sept.	Oct.	Nov.	Dec. – Déc.	Jan.	Feb. – Fév.	Mar.	Total	% of normal – % de la normale
					mm					%
SASKATCHEWAN – Concluded – fin										
9B – Waseca	A.	11.0	8.4	1.2	32.6	–	8.8	–	62.0	37
	N.	34.0	24.6	22.6	23.2	23.4	18.8	22.4	169.0	
AVERAGE – SASKATCHEWAN – MOYENNE	A.	7.1	5.1	4.2	20.8	10.9	6.7	13.3	67.7	46(1)
	N.	34.5	20.2	18.3	18.3	19.9	16.4	18.6	146.2	
ALBERTA										
1 – Manyberries	A.	7.8	8.2	–	–	17.2	1.0	1.8	36.0	28
	N.	24.2	15.0	14.0	16.8	21.0	17.0	21.6	129.6	
Medicine Hat	A.	4.8	6.8	14.2	5.4	–	4.9	–	36.1	25
	N.	33.0	17.0	16.2	16.6	22.6	18.2	19.4	143.0	
Suffield	A.	6.0	5.8	11.0	3.8	–	–	–	26.6	21
	N.	35.0	16.0	15.0	14.4	19.6	15.2	11.6	126.8	
2 – Brooks	A.	19.4	5.6	9.6	5.4	–	–	–	40.0	30
	N.	33.2	15.8	15.0	15.0	18.0	18.6	17.8	133.4	
Drumheller	A.	20.8	3.6	20.4	27.0	16.2	2.8	1.8	92.6	66
	N.	34.5	17.8	15.2	16.2	16.2	16.6	24.4	140.9	
Gleichen	A.	13.2	4.6	16.6	12.0	19.4	T.	2.8	68.6	46
	N.	32.8	19.0	18.8	16.2	19.0	19.8	22.8	148.4	
Lethbridge	A.	13.2	11.2	14.2	8.6	–	–	–	47.2	27
	N.	37.3	22.8	23.2	21.4	22.8	22.4	25.6	175.5	
Three Hills	A.	15.0	6.8	32.0	32.2	25.6	2.6	8.4	122.6	90
	N.	35.6	20.8	15.0	13.8	16.2	16.2	18.2	135.8	
Trochu Equity	A.	18.2	4.0	25.4	29.2	25.4	–	7.6	109.8	74
	N.	35.3	23.2	16.6	17.2	19.4	18.0	19.0	148.7	
3 – Calgary	A.	35.8	15.4	25.4	11.0	–	–	–	87.6	62
	N.	35.3	18.8	16.0	14.8	17.0	19.8	20.4	142.1	
Claresholm	A.	30.8	14.8	26.6	4.6	16.6	10.2	35.0	138.6	81
	N.	37.8	24.2	18.2	20.8	20.6	22.8	26.6	171.0	
High River	A.	43.4	16.2	21.6	6.4	16.6	28.0	24.2	156.4	90
	N.	39.3	22.6	18.8	21.0	20.6	25.6	25.4	173.3	
Pincher Creek	A.	34.8	7.8	–	25.6	–	–	–	68.2	29
	N.	47.7	30.0	32.0	29.2	31.7	30.0	36.8	237.4	
4 – Camrose	A.	16.0	1.6	4.0	26.2	22.4	1.0	6.6	77.8	64
	N.	34.0	14.0	15.4	14.2	16.8	13.4	13.2	121.0	
Coronation	A.	19.4	1.8	5.4	23.8	–	–	–	50.4	34
	N.	36.3	18.0	15.8	18.2	20.8	18.0	20.4	147.5	
Hughenden	A.	28.4	T.	9.2	–	11.2	10.2	5.8	64.8	47
	N.	35.3	16.6	15.0	16.8	21.4	17.6	13.8	136.5	

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1976 Fall and 1977 Winter Precipitation Data, Prairie Provinces
Recording Stations by Crop Districts – Concluded

Précipitations enregistrées à l'automne 1976 et hiver 1977 aux stations d'observation dans les provinces des Prairies par districts agricoles – fin

Province, crop district and station – Province, district agricole et station		Sept.	Oct.	Nov.	Dec. – Déc.	Jan.	Feb. – Fév.	Mar.	Total	% of normal – % de la Normale
					mm					%
ALBERTA – Concluded – fin										
4 – Ranfurly	A.	25.4	7.8	1.8	32.2	24.8	6.4	3.4	101.8	64
	N.	45.2	18.6	19.8	20.6	21.0	16.6	17.0	158.8	
Stettler	A.	20.8	2.0	12.2	42.6	6.8	1.6	2.2	88.2	60
	N.	37.6	16.6	16.8	16.2	20.8	20.0	18.8	146.8	
Vermilion	A.	25.4	5.0	2.0	22.0	–	–	–	54.4	39
	N.	38.3	17.6	16.0	19.0	19.0	14.0	16.8	140.7	
5 – Calmar	A.	39.2	13.2	10.2	33.6	26.6	1.2	7.8	131.8	80
	N.	42.6	20.8	21.6	20.6	24.6	20.4	15.0	165.6	
Edmonton	A.	15.4	–	3.6	31.2	20.0	0.2	0.6	71.0	45
	N.	35.8	18.6	18.6	21.4	25.2	20.0	16.8	156.4	
Lacombe	A.	21.6	7.2	15.2	33.6	–	–	–	77.6	50
	N.	38.6	20.6	15.0	17.6	20.6	21.6	20.8	154.8	
Red Deer	A.	38.2	6.4	16.6	33.6	–	–	–	94.8	62
	N.	39.3	22.8	15.4	16.6	20.6	19.0	19.6	153.3	
Rocky Mountain House	A.	39.6	–	–	–	–	–	–	39.6	21
	N.	49.2	25.4	20.4	22.6	23.6	21.6	24.8	187.6	
6 – Athabasca	A.	27.2	–	5.6	42.4	18.8	8.8	25.4	128.2	69
	N.	37.3	21.6	26.0	26.6	27.1	26.9	20.4	185.9	
Campsie	A.	–	–	1.0	47.8	19.6	2.2	19.4	90.0	59
	N.	31.2	17.0	21.0	19.0	24.2	23.4	15.8	151.6	
Edson	A.	34.6	–	10.6	37.4	–	–	–	82.6	41
	N.	45.4	24.2	25.6	25.9	31.0	25.9	23.4	201.4	
Elk Point	A.	28.8	12.4	0.1	–	22.8	16.6	7.8	88.5	55
	N.	44.7	20.6	20.8	22.4	19.8	16.0	16.6	160.9	
7 – Beaverlodge	A.	40.2	–	–	46.0	25.2	2.6	16.6	130.6	63
	N.	38.8	26.4	30.7	27.7	32.0	29.2	23.2	208.0	
Fairview	A.	24.6	–	0.6	–	26.6	15.2	5.4	72.4	37
	N.	29.4	25.2	30.2	29.7	27.7	29.2	23.8	195.2	
Falher	A.	11.4	–	6.4	33.6	–	–	10.2	61.6	30
	N.	38.1	24.8	33.8	31.5	28.4	28.7	19.0	204.3	
Grande Prairie	A.	35.4	–	6.6	47.0	–	–	–	89.0	42
	N.	34.2	35.9	31.0	30.4	34.0	28.2	21.4	215.1	
High Prairie	A.	31.4	–	7.6	64.8	11.4	10.6	5.0	130.8	66
	N.	37.6	27.1	31.2	30.2	27.7	24.6	19.6	198.0	
AVERAGE – ALBERTA – MOYENNE	A.	24.6	7.3	11.6	27.5	19.6	6.6	9.9	107.1	66(1)
	N.	37.3	21.0	20.4	20.6	22.8	21.0	20.3	163.5	

(1) Due to rounding, the sums of individual items may not agree exactly with the totals. – Les chiffres ayant été arrondis, il se peut que la somme des postes ne corresponde pas au total donné.

Source: Atmospheric Environment Service – Canada – Service de l'environnement atmosphérique.

A. – Actual – Actuelle.

N. – Normale.

T. – Trace.