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TELEGRAPHIC CROP REPORT - CANADA

This is the fifth of the 1964 series of six telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the tenth of a series of eleven telegraphic reports on 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.

S U M M A R Y

Maritime Provinces Rainfall last week improved pasture conditions throughout the Maritime Provinces. In Prince Edward Island previous cool weather had retarded plant growth but grain harvesting has now started and early potatoes are being dug, with average yields reported. In Nova Scotia, cereal harvesting is under way with considerable progress reported in the earlier districts. Work, however, has been delayed by recent wet weather. Early varieties of apples are on the market and about half of the commercial acreages of peas and beans has been harvested. Reports from New Brunswick indicate cool, damp weather with light rainfall over the last month. As a result grain crops as well as corn, tomatoes, cucumbers, etc. were retarded. Nevertheless, early cereals are being harvested with high yields reported.

Quebec Since the last report cold, wet weather prevailed throughout the province of Quebec and more particularly during the last two weeks. These weather conditions have significantly delayed haying and retarded grain ripening, damaged some vegetable crops and have generally held up harvesting and farm work. Hay yields vary from poor to good. In the Montreal district farmers are now harvesting second-cut hay. Grain harvesting is starting in the Quebec, Three Rivers and Eastern Townships areas and is well advanced in the Montreal district. Yields are generally good but in some localities, where the crop has not yet been cut, damage is reported from lodging and army worms. Pastures and hay meadows are very variable. Growers in the Montreal district have started digging potatoes with good yields reported although there is some mildew infection. Vegetable yields vary from fair to good with favourable prices being received. In St. Maurice County harvesting of flue-cured tobacco has started with satisfactory yields and quality reported. In Joliette, on the other hand yields and quality are not as good. Sugar beets are promising.

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Ontario Cool weather with heavy rains over most of Ontario has delayed harvesting of spring grains and retarded development of tobacco, corn and other fall crops. However, pastures have revived and second cutting of hay is yielding well. Soil moisture reserves are being replenished in most areas. However, crops in Eastern Ontario and the Upper Ottawa Valley have been greatly reduced in yield and quality due to drought. Light to severe hail damage has occurred in localized areas, especially in Halton County. Several outbreaks of clover worm on white and kidney beans and aphids on corn have been reported.

Prairie Provinces Good progress has been made with harvesting in the Prairie Provinces, but wet weather has recently been delaying operations in Manitoba and Saskatchewan. Swathing is expected to be in full swing again this week. Up to 50 per cent or more has been cut in southern areas, but as is normally the case, only small amounts have been swathed in northern districts, with very little done in the Peace River due to a particularly late season. Early threshing returns indicate generally good yields in Manitoba and a wide range of outturns in the other two provinces. Grades are mainly 2 to 3 Northern to date, but some reduction may occur due to weathering and frost damage.

British Columbia The weather has been variable in all districts of British Columbia with temperatures generally cooler than normal for this time of year. Peach harvesting is under way and the crop is good. Apples are sizing well, with prospects for a heavy yield. Bartlett pears are now being harvested. The fresh vegetables continue to be harvested in volume and second early potato crop is good. Loganberry yields are light but an excellent crop of blueberries is expected. Good crops of hay have been harvested in most areas but the weather reduced the quality. The outlook for grain crops in the Peace River Block remains generally promising, but wet weather is delaying maturity.

#### MARITIME PROVINCES

Rain was welcomed last week in Prince Edward Island where pastures had been suffering from a lack of moisture during the past month. All crops will benefit from this additional moisture and pastures are responding. Temperatures have been cool in recent weeks and as a result grain crops are developing slowly with only a few fields showing signs of ripening. However, harvesting has started and a satisfactory crop is in prospect. During the first two weeks of August army worms did serious damage in some grain fields. The potato crop is growing well with very little evidence of late blight. Only traces are reported in occasional fields. The early market potato prospects are for average yields while late potatoes are described as promising. Pea harvesting is continuing with above average yields being obtained. All vegetable crops are making satisfactory growth and the outlook for cole crops is promising. Haymaking has been slow this year but a heavy crop was harvested. Priming of tobacco has started. In general, the potato crop has encountered few problems of insects and diseases this season.

At Amherst, Nova Scotia, grain is lodging as a result of the recent heavy rain. Haying is progressing slowly with about two-thirds of the crop stored. Army worms were very bad. At Truro, cool and very wet weather is reported, with 2.96 inches of rain on August 24. Some hay is still being harvested as weather permits. Cereal crops are in head and ripening with quite promising yields in prospect. In some areas heavy infestations of army worms are doing considerable damage to both grasslands and grain crops. Where the worms are not prevalent pastures and aftermath are very good. Potatoes are doing well with promising yields in prospect. Reports from the Annapolis Valley indicate that haying has



been about 90 per cent completed with the final clean-up being delayed by wet weather. The winter wheat crop has been harvested, with yields averaging 55 bushels per acre. Picking of cucumbers and beans, and harvesting of canning peas is in progress. Tobacco harvesting is also under way. However, harvesting operations have been held up by the recent very heavy rains. Corn yields are good but cucumbers and tomatoes are late and so far these crops appear light. Carrots and turnips are about average and pastures are also about normal for the season. Apple prospects are not as good as the average in recent years, while pears are about average and plums are heavy. Reports from the Research Station at Kentville state that army worm outbreaks were scattered throughout most of Nova Scotia this season. Protective sprays were applied in some areas. In some unsprayed grain fields considerable damage occurred. Observations in Kings County revealed that a virus disease had caused appreciable mortality of army worm larvae late in the infestation. Aphid populations are higher than average in apple orchards but lower than average in most pea fields. Otherwise orchard pests continue low and damage to fruit is light.

Weather conditions during the past month in New Brunswick were cool and damp with relatively light rainfall until recent heavy rains were received. Pastures have been dry but are expected to improve now. Harvesting of early potatoes is nearly finished and growers are top-killing some of the later crop. Yields of early potatoes were fair while the late crop is doing well. Grain harvesting is under way with a good crop in prospect although moderate lodging is reported. Aftermath growth is making good headway. Development of heat-loving crops such as corn, tomatoes, squash and cucumbers has been delayed due to the cool weather. Corn is maturing slowly and it is not anticipated that much of the crop will ripen. Tobacco priming is under way and production is expected to be light. The apple crop is fairly good with high quality reported. Haying is nearly finished with a good crop having been harvested. High yields of early cereals are being obtained. Reports from the Perth District indicate unseasonably cool, showery weather, during the past month, hampered haying operations with some farmers just finishing now. Quality varies from fair to poor. Early grain harvesting is now starting with a good crop in prospect. Some early potatoes have been harvested with fair yields reported. The late crop is being top killed prior to digging. Fair, warm weather is needed.

#### QUEBEC

In the L'Assomption district of Quebec there has been frequent rain during the past two weeks. Total precipitation, however, was normal, but temperatures have been very low. As a result harvesting of tobacco and grain crops has been difficult and maturity delayed. Pastures are in good condition. At St. Jean weather for the past three weeks has been cool and wet with a total 3.6 inches of rainfall reported. Due to late frost in the spring and the dry summer the apple crop has been reduced very considerably. European red mites, two spotted mites and woolly aphids are proving to be of major importance. Raspberry and strawberry crops were good where moisture supplies were sufficient. Vegetable yields and quality for both canning and the fresh market are very good. Corn and tomatoes, however, are slow in ripening. Light army worm injury is reported on cereals.

At Lennoxville in the Eastern Townships both daytime and night temperatures have been below normal. Rainfall from July 20 to August 25 totalled 4.06 inches. Grass development is normal in this area. New pastures are in excellent condition while old pastures are only fair. The oat crop is good although some damage has

been caused by excessive rainfall. Aftermath is showing good growth. Army worms have damaged a number of oat fields. The second hay cut is turning out well. At St. Anne de la Pocatière cool wet weather held up haying operations which have just been finished. As a result, hay quality was reduced and cereal development retarded. However, pastures are good in many areas and aftermath is also doing well. Forage corn and field roots are also very promising while high yields of potatoes are in prospect.

At Normandin in the Lac St. Jean district, precipitation totalled 4.46 inches during the last thirty days. Weather during August was cool. Haying has been almost completed but operations have been delayed due to the rain. Grain crops are late and not yet ripening. Meadows and pastures are fair but gardens are promising. Blueberry picking is under way. At Caplan temperatures have been below normal with little sunshine and heavy rainfall since August 6. As a result haying has not yet been finished and the late cut is of poor quality. It is anticipated that grain crops will mature later than normal because of the lack of heat. Hay aftermath is not too good and pastures are in poor condition. Digging of the early potato crop has started and average yields are expected.

In the Matapedia district there have been considerable losses of sheep due to wolves and foxes. Papineau County suffered seriously from drought early in the season and in Abitibi frost was reported on July 31 and August 3 and 4. In that district and also to the south of Montreal green feed and concentrates are being fed to dairy herds in order to maintain milk production at satisfactory levels. Cattle are generally doing well throughout Quebec but milk flow varies considerably in the different regions.

#### ONTARIO

In Middlesex County in Southern Ontario weather has been cool with heavy rainfall up to eight inches during the month of August. Many farms have completed combining of spring grain while others have fairly large acreages to complete. In some areas, during the last two weeks, harvesting has been reduced to one or two days a week due to excessive rain and soft ground. Pastures and hay are making good growth and the excellent stands of corn need warm weather for maturity. Tobacco harvesting is general. To the southwest, in Essex County, all crops have benefited by recent rains. Corn, soybeans and other full season crops are making excellent growth. Second-cut hay has been light. The processing tomato harvest has been delayed by cool weather but the prospects are for an excellent crop. Canning corn is being picked and the tobacco harvest is starting. A heavy peach crop of excellent quality is being harvested. Some hail damage has occurred to the tobacco and peach crops. On Pelee Island the fall wheat crop has been harvested with an excellent yield and quality obtained. Soybeans suffered from the extreme heat in July but recent rains have helped and the vines are well podded with prospects for a very good yield. Field corn is an excellent crop.

In Kent County corn, beans and sugar beets look good but tomatoes are ripening slowly as a result of cool weather. Aphids have been reported on corn and the green clover worm has caused slight damage to bean crops. The tarnished plant bug is appearing on sugar beets and may require control measures. Soil moisture is abundant but warm weather is needed for good crop maturity. Winter wheat produced a bumper crop of high quality grain and the grain corn crop has never looked better. Burley tobacco harvesting commenced on August 24 with good quality and yields. Cherries were an excellent crop and harvesting of a bumper crop of high quality peaches is underway.



To the east, in Norfolk County, cool, wet weather has promoted crop growth but delayed maturing of tomatoes and tobacco. The spring grain harvest is approximately three-quarters completed with average yields being obtained. Corn is an exceptionally good crop with record yields in prospect. Hay and pasture crops are excellent with a third cutting of hay a probability. Moisture conditions range from adequate to excessive. In Lincoln County sub-normal temperatures during the past two weeks have delayed the ripening of peaches and tomatoes. Frequent rains and high humidity have favoured apple scab and brown rot on stone fruits. The Jubilee peach harvest has been under way for several days. Fruit insects and mites are generally at low levels due to weather conditions.

In Simcoe County of Western Ontario fall wheat harvesting has been completed with average yields of fair quality. Recurring rains have damaged a limited acreage of second-cut alfalfa. Pastures are recovering from the June and early July drought. Oat and barley harvesting has been seriously delayed by the wet weather. Approximately half of these crops has been harvested with the remainder in the swath or stooked. Considerable sprouting is reported and it is estimated that 5 per cent of the crop has been lost. Army worms damaged a thousand acres of oats in late July. It is estimated that two thousand acres were baited or sprayed by aeroplane. Corn, potatoes and tobacco are maturing slowly with fair to good prospects. A normal acreage is being prepared for fall wheat. Continuing wet weather in Bruce County has interfered with the harvest of grain and second-cut hay. The weather is also delaying the maturing of corn. Pastures are excellent for this time of year and turnips are making good growth. In Wellington County generally wet weather has resulted in a 25 per cent loss to the spring grain crop from sprouted and lodged grain. Corn development has been at a standstill for the past three weeks.

In Waterloo County cold, wet weather has retarded the growth of the corn crop and hampered harvesting operations. About one-third of the spring grain is still to be harvested. Similarly, grain harvesting has been very slow in Halton County due to excessive rains. With one-third of the crop harvested, yields are slightly above average and straw is short. Considerable lodging has occurred. Hail on August 11 destroyed several hundred acres of grain and vegetable crops and badly damaged a large acreage of corn. Pastures are in excellent condition.

To the east in Central Ontario cool, moist weather in Peterborough County has slowed harvesting and reduced the quality of grain. Over 50 per cent of the oats has been harvested and hay and pasture supplies are well above average. The corn crop is slowly maturing and moisture supplies are more than adequate. In Durham County moisture conditions have been excellent for hay and pastures. Grain harvesting is at a standstill and sprouting is reported. Warm weather is needed for corn and tomato crops.

In Leeds County of Eastern Ontario feed supplies are considered to be adequate unless prolonged summer and winter feeding are required. The oat crop is 70 per cent combined with quality good and a variable yield slightly below normal. Growth and maturity of the corn crop are below normal due to the drought. Pastures are 40 per cent of normal and moisture supplies are inadequate. In Carleton County the harvesting of spring grains has resumed after a week's delay of wet weather. Seventy-five per cent of the grain has been swathed and combined with yields slightly below normal. The harvesting of second-cut hay has been completed and expectations are good for a third cutting on many farms. The supply of hay in Carleton should be adequate on most farms. Corn is an excellent crop throughout the county and is maturing satisfactorily.

Frequent rains have been the main feature of the month of August in the district of Kapuskasing of Northern Ontario. More than 20 inches of rain have fallen since the first of May. Haying operations in the district are still not completed and the ground will not carry heavy equipment in most areas. Grain crops are still green although early varieties of oats and barley are starting to turn. Pastures are in generally good condition. Haying operations in the Thunder Bay district are being completed with yields close to normal and of good quality. Cool, wet weather has resulted in uneven ripening of the grain crop. The potato crop is coming along fairly well and roots and vegetables are slow. Pasture conditions are generally satisfactory.

#### MANITOBA

Harvesting was general in Manitoba but is being held up by cool, damp weather. Up to 75 per cent of the crop has been swathed in southern areas and much of it combined. Elsewhere harvesting had become general before the wet weather and up to 50 per cent has been swathed with some combining accomplished in some areas. Cereals are yielding well. Late crops need sunny weather to hasten maturity. Frost has damaged corn in southern Manitoba and some frosted wheat is showing up at various points.

Scattered showers have caused a delay in harvesting at Morris in southern Manitoba but operations should commence by mid-week. Eighty per cent of the cereals has been swathed and 60 per cent combined. Swathing of flax has commenced and some peas have been harvested. Rape is beginning to mature. Some buckwheat has been lost from frost and there has been slight damage to corn. Farmers have fall worked about one-fifth of the stubble acreage. Cereal harvesting was general at Morden last week but was halted at the end of the week by rainfall. Frost occurred on August 12. Corn silage is being made with average yields, and cereal yields are good. Farmers are ploughing down buckwheat because of a poor seed set. Some fall field work is being done.

Farther west at Pilot Mound frost on August 13 seriously damaged field and garden corn and may have injured late-seeded cereals. Rain is delaying the harvest. Early reports indicate yields of wheat 30 to 40 bushels, oats 45 to 60, barley 35, and flax 10. Wheat is weighing 57 to 59 pounds per bushel and grades are running No. 3 to 4 depending on frost damage.

North of Winnipeg at Stonewall harvesting will become general this week. Late-sown oats are slow in maturing and heavy with leaf rust. Yields of cereals will be good to excellent. Rapeseed yields will be high but flax only fair. At Portage la Prairie swathing is 35 per cent completed and combining 15. The quality of all grain has been high but showers may cause damage. Warm weather is needed to mature the later crops. Expected yields are: wheat 25, oats and barley 50, flax will vary from 5 to 25, and rapeseed expectations are excellent. The rape crop, however, is late as are soybeans. Sugar beets, potatoes and corn are very good.

The Experimental Farm at Brandon reports that swathing is well advanced and a good start has been made on threshing. Yields are above average, with early reports of some fields of wheat running 35 bushels and oats 60. Wheat is grading No. 2 to 3 Northern. In a few instances frosted wheat has been delivered to local elevators. Oats are grading well but barley is variable. Considerable frost damage has occurred to corn necessitating premature cutting for silage. The second cut of hay has been generally good.



In the Interlake area at Teulon swathing has been general and over 50 per cent of the cereals is in swath. Combining has started with yields good except for the hauled out area. Hay supplies are sufficient, pastures are dry in parts of the area.

At Neepawa in the west-central region cool, damp weather has delayed swathing which was expected to be general this week. Cereals are filling and ripening well. Second-cut haying operations are well under way with good yields being obtained. Numerous cases of pink eye in cattle have been reported. Cool, cloudy weather has obtained at Minnedosa for the past week to ten days and harvesting has been pretty well at a standstill. About 10 to 15 per cent of the crops in the area has been swathed, mainly wheat and barley. Some of the early wheat and barley has been combined and with good weather combining will be general by the first of next week. Harvesting has begun in the entire area surrounding Shoal Lake. Wheat, rye and oats appear good and barley is yielding well but light samples are predominant. Wheat is averaging 30 bushels and grading No. 2, 3 and 4, oats 45 bushels and up, rye 20 to 40, and barley 30 to 35. The flax crop appears generally excellent but will require warm weather to mature. Gardens are showing frost damage and silage corn is near a total loss. Hay is in adequate supply and cattle are generally in good condition. Three weeks of warm, dry weather are required to complete harvesting. Showers have delayed maturity and harvesting of some late-seeded crops. Aphids and grasshoppers are causing some concern. Approximately 35 per cent of the crop is in swath in this district.

Hail storms reported in the past week by the Canadian Hail Underwriters Association include storms on August 14 at Tilston, Deloraine and Cartwright.

The average unweighted precipitation for the province since April 1 has been 9 per cent above normal, compared with 10 per cent above normal a week ago, 13 per cent above normal two weeks ago, and 33 per cent above normal a year ago. Mean temperature for the week ending August 24 was 1.5 degrees below normal compared with 7.1 degrees below normal a week ago, and in contrast to 0.1 degree above normal two weeks ago and 4.6 degrees above normal for the week ending August 26, 1963.

#### SASKATCHEWAN

Light to heavy showers last week in Saskatchewan interrupted harvesting but operations are expected to be in full swing again this week. Wheat swathing is well advanced in the south-central, southwestern and central districts where some 60 per cent has been cut. In the Regina-Weyburn, southeastern and west-central districts some 35 to 50 per cent has been swathed but in the northern districts less than 10 per cent has been cut. On a provincial basis some 40 per cent of the wheat and 35 per cent of the coarse grains have been cut with 25 and 20 per cent, respectively, threshed. Preliminary outturns indicate yields will be above average, but with only a small percentage threshed, crops are still subject to damage from adverse weather. Warm, dry conditions are now urgently needed to enable farmers to successfully complete the harvest.

In the southeast part of the province at Willmar 1.4 inches of rain this past week-end will hold up the harvest until Thursday. Our correspondent expects that frosts which occurred on August 10, 11, 12, and 25 will hurt grades and yield. Some 50 per cent of the swathing has been done and about 10 per cent of the crop has been combined. Pastures are holding well and summerfallows are in good condition. At Yellow Grass swathing is general but combining has been delayed by recent rains. Damage from frost and bleaching has been slight to date and wheat

is grading mostly 2 Northern. Wheat is expected to yield some 25 bushels per acre despite the fact that about 10 per cent of the crop was badly hailed. Flax and oats crops are good. The light frosts may affect grades but are not expected to reduce yields. About 15 per cent of the wheat has been combined. Heavy week-end rains have halted harvest operations in the Fillmore district. Approximately 20 per cent of the crop has been swathed and between 10 to 15 per cent combined. Early threshing returns indicate very good yields with most wheat which was harvested before the rain grading No. 2 Northern.

The Experimental Farm at Indian Head reports that rain totalling 0.80 inch last Thursday, Friday and Sunday brought all harvesting operations to a halt. Swathing was 40 per cent completed and combining was just getting under way. Swathing has now resumed but it will require another dry day or two before combining can start. Early returns indicate that wheat is yielding between 20 and 30 bushels, barley 45 to 60 bushels and oats 35 to 50 bushels per acre. The wheat sample has been good and should grade No. 2. The recent rain is maintaining pastures and livestock are in good condition. There has been no noticeable frost damage to cereal crops in the area.

At Gravelbourg in the southwest part of the province rain has halted the harvest operations for a few days but the district is now experiencing good drying weather so operations will begin again very soon. About 75 per cent of the crop has been taken off with wheat yields ranging between 15 to 25 bushels per acre. Grades vary between 1 and 4 Northern because of frost. The harvest is also well under way in the Shaunavon district with about 35 per cent taken off. Some 60 per cent of the coarse grains and 15 per cent of the wheat have been threshed and our correspondent estimates that the average yield of wheat will be 16, oats 30, and barley 22 bushels per acre. The main grades of wheat are expected to be No. 3 and No. 4 Northern. Recent general rains have hampered harvesting. Harvesting has also been halted by heavy rains in the Leader area. About one-quarter of the crop has been taken off and the district average wheat yield is expected to be about 20 bushels per acre.

In the east-central part of the province around Togo some wheat was combined a week ago and yields and grades were satisfactory. However, continued wet weather has brought harvesting operations to a standstill. With the return of more favourable conditions all operations will resume. Summerfallow work is well in hand and pastures are in fair condition. The heavy rainfall has also halted operations at Melville. Yields in the district are expected to be a good average with wheat grading mostly 3 Northern. There has been no frost or hail damage to date. Rainfall this season has totalled 11 inches compared with 13 inches a year ago and the long-time average of 8.63 inches. Swathing of wheat has started in the Sturgis area but rain and cool weather for the past three weeks have made progress difficult, thus the need is for warm, dry weather. Yields are expected to be good but there has been some frost damage.

At Drake in the central part of the province some 20 per cent of the crop has been taken off but operations have been halted since last Wednesday by one inch of rain. Wheat is yielding from 10 to 20 bushels per acre and was grading 2 and 3 Northern before the rain. Some frost damage is evident in the sample.

About 20 per cent of the harvesting has been done in the Rosetown district in the west-central part of the province but operations have been delayed recently due to two inches of rain. Wheat is grading 1 and 2 Northern with no sign of frost damage to date and yields on summerfallow have been averaging about 18 bushels



and on stubble about 8 bushels per acre. The flax crop might average 6 bushels per acre. Nearly two inches of rain this past week have also held up the harvest at Scott. Scattered reports indicate the wheat yields range from 10 to 20 bushels per acre but some stubble crops are patchy. The predominant grade is No. 3 Northern. Weeds are now developing rapidly. Farther north at Meota little harvesting has been done as yet and warm, sunny weather is needed to dry things up. Rain-fall since April has totalled 7.12 inches.

In the northeast part of the province at Melfort wet weather has also halted all harvest operations for the past week. Between 50 to 70 per cent of the barley has been swathed. Yields will be light and the sample was slightly damaged by recent rains, but there has been insufficient samples to accurately predict the grade. Between 20 to 30 per cent of the wheat has been swathed but very little has been combined. It is expected that yields will range from 15 to 20 bushels per acre and there will be considerable range in grades because of frost and weather injury. Pastures are much improved by recent rain. Clover and rye crops are just about harvested at Nipawin and yields have been light. Some wheat has been swathed but operations will not become general for a week or ten days due to heavy rains during the past two weeks.

The Saskatchewan Municipal Hail Insurance Association reports that hail storms have been light since the last report with the major points being as follows: August 9 - Fiske, Kindersley, Laporte, and Cut Knife; August 14 - North Portal, Antler, and Lampman; August 16 - Marshall; August 18 - Biggar and Perdue. The Canadian Hail Underwriters Association reports storms on August 14 - from Pinto to Northgate and Kennedy area, Antler area; August 17 - Steelman area; August 18 - Biggar to Feudal.

The average unweighted precipitation for the province since April 1 has been 1 per cent above normal compared with 8 per cent below normal a week ago; 5 per cent below normal two weeks ago and in contrast to 39 per cent above normal a year ago. The mean temperature for the week ending August 24 was 0.2 degrees above normal compared with 3.7 degrees below normal a week ago, 2.6 degrees above normal two weeks ago and 4.2 degrees above normal for the week ending August 26, 1963.

### ALBERTA

Swathing has commenced in most regions of Alberta except for the Peace River region where crops are late. Harvesting is most advanced in southeastern Alberta where swathing is 50 to 75 per cent completed and thrashing is under way. Yields will be average in the south, light in eastcentral regions, and variable in the central part of the province. Should warm, sunny weather prevail, good yields could be obtained in northwestern and Peace River districts. Soil moisture reserves are poor in southern and east-central regions and rain is needed to improve pastures. Moisture conditions are extremely variable in central Alberta, generally good in the north, and excessive in the Peace River District.

In southwestern Alberta, around Lethbridge, harvesting of winter wheat is completed except for the foothills area. Harvesting of spring wheat is well under way east of Lethbridge and just starting to the west. Wheat stem sawfly damage has increased 5 to 10 per cent. Grain aphids are prevalent on spring wheat but causing no damage. Harvesting of sweet corn has commenced. Threshing of fall-seeded grain is about 45 per cent completed around Cardston and cutting of spring grains will commence in about ten days. Yields of both fall and spring-sown grains

are expected to be above average. Hay yields have been high and pastures are in good shape. The weather has been ideal and, should these conditions continue, it should be an excellent year for all crops. Swathing of spring grains is in full swing in the Claresholm district. Some early-sown spring wheat is running up to 20 bushels per acre while barley and oats are only a half crop. Pastures have dried up due to lack of rain and there has been little or no second growth of hay.

In the south-central part of the province around Brooks harvesting operations are in full swing with many good yields reported. It is expected that wheat will average about 25 bushels, oats 45, and barley 40 bushels per acre. Most cereals are grading well. Some flax has been swathed. Second-cut alfalfa is being harvested under good conditions.

In the east-central part of the province, around Hanna, harvesting operations are general this week with wheat 70 per cent swathed and about 15 per cent threshed. The crop is grading 2 and 3 Northern and weighing 56 to 62 pounds per bushel. Yields are varying from 7 to 15 bushels per acre. Harvesting of fall rye is completed and averaged about 10 bushels per acre. Weather conditions have been good and there should be plenty of feed. Farther west at Calgary some cutting has been done but very little has been combined. Operations are expected to become fairly general in a few days. The crop is expected to be about average but frost over the past week end will have had some adverse affect. Crops are maturing rapidly around Olds and are too far advanced to benefit from rain. Cutting and threshing of barley is under way with yields of 40 to 60 bushels reported. Some frost has occurred and will most likely have had some effect on wheat and late grains. In the central part of the province around Donalda crops are ripening very rapidly and appear to be surprisingly good. Fields vary considerably, however, due to the fact that the high ground is burned and the low ground is quite green. Only about 5 per cent of the crop has been swathed but harvesting operations will be in full swing next week if good weather prevails. Yields are expected to be low but the grain should grade a good average.

Continued dry weather has allowed harvesting to become general in the west-central part of the province around Lacombe. A light frost was reported in many areas on August 24. Hay and pastures have made very poor growth. In the Eckville district swathing is about 40 per cent completed. Combining has commenced and operations will be general in two or three days if weather permits. The first frost occurred on August 23. Pastures are deteriorating due to lack of moisture. Harvesting of second-growth alfalfa has commenced with fair to good yields reported.

At Vermilion swathing of wheat has been general since August 24. Some fields are light while others are very good. Average yields in this district are estimated between 18 and 20 bushels per acre. Coarse grain crops are also light with a small portion of early barley being swathed and combined. Haying operations are completed and farmers in this area will have ample feed for livestock.

Cool, showery weather around Bonnyville in the northeastern part of the province is preventing any progress in harvesting. Light grain crops are ripe but abundant second growth and green weeds are presenting real problems and as a result, choice of harvesting methods is difficult. A light frost was reported yesterday but little damage is expected. Pastures are good and second-crop hay looks promising.



The general outlook is somewhat improved around Beaverlodge in the Peace River area but much hot, dry weather is still required for a normal harvest. Harvesting of fescues is nearing completion and harvesting of brome grass is just commencing. A considerable quantity of fescue seed was lost due to shattering. Swathing of barley has commenced and the crop looks excellent except where fields are lodged. Wheat and oats are developing slowly and poor filling is reported in some cases. There is no harvesting as yet in the Berwyn-Peace River - Manning areas due to wet weather, but some attempts have been made in the Fairview, Hines Creek areas. Crops are beginning to turn colour with wheat in the late milk to dough stage while oats are still green and barley is maturing slowly. Mildew and fungus diseases are prevalent on some crops. Some fields may be lost as they are too wet to carry machinery. Cloudy, cool weather with numerous showers has delayed ripening of crops around Fort Vermilion. Some early-seeded barley and oats have been harvested with yields estimated at about 30 and 45 bushels, respectively. Much second growth is making harvesting difficult. About one-third of the rapeseed has been harvested with yields estimated at 600 pounds per acre. Harvesting of second-growth hay is progressing.

The Alberta Hail Insurance Board reports that local storms occurred at Spirit River, Airdrie and Benalto on August 12, 13, and 14, respectively; at Beaverlodge, Wembley and Blackfoot on August 16; and at Bonanza and Dawson Creek on August 17; and on August 18 streaks occurred from Rimbey through Bluffton, Breton, Buck Creek and Evansburg to Mayerthorpe from Tofield through Redwater, Radway, Thorhild, Abee to Newbrook, and from Morinville through Clyde to Tawatinaw and at Czar and Fabyan with a two-mile wide strip fifty miles long from Delia through Byemoor and Gadsby; and on August 22 at Athabasca.

The Canadian Hail Underwriters Association reports the following hail storms on August 18, Beaverlodge, Hines Creek, Morinville, Vimy, Rochester, and Waskatenau areas.

The average unweighted precipitation for the province since April 1 has been 11 per cent above normal as compared with 13 per cent above normal a week ago, 13 per cent above normal two weeks ago and 11 per cent above normal a year ago. Mean temperature for the week ending August 24 was 0.2 degree above normal compared with 0.9 degree above normal a week ago, 1.7 degrees above normal two weeks ago and 1.0 degree above normal for the week ending August 26, 1963.

#### BRITISH COLUMBIA

On Vancouver Island prospects are good for above average yields of potatoes, carrots and apples. Corn crops were delayed by cool weather but now are making good growth. Forage yields are above average but pastures are now showing the effects of drought. A fair crop of loganberries is being harvested but yields are below earlier expectations due to disease.

In the Lower Fraser Valley average precipitation in August to date was 2.63 inches which is a continuation of the trend of above average rainfall. Temperatures are about average. There is a continuing difficulty in harvesting second and third crop hay although yields are very good. The raspberry harvest is almost complete. Yields of pole beans are fair and picking has started. Early market corn is moving in fair volume. The pea harvest is almost complete and yields are variable.

In the South Okanagan Valley harvesting of many crops is under way. Bartlett pears, Red Haven and Vee peaches, cannery apricots and early prunes are being picked. The weather has cleared up and daytime temperatures are up to 85 degrees. This will help to mature fruit still on trees. The apple crop is progressing well and is of a good size and colour.

Kamloops and Southern Cariboo weather has been generally warm with cool nights. Second-cut haying is in progress with fair yields. North Okanagan peas and winter wheat are being harvested with average yields. Ranges in the Interior are holding well.

In the Prince George area of the Central Interior warm, sunny weather during the past week has favoured development of grains but the harvest will be at least two weeks later than usual. Belated hay harvesting was renewed after five weeks of wet weather. Most livestock producers will have near minimum forage requirements in store by end of this week. Quality is poor due to weathering. In the Smithers area the weather for storage of dry forage improved during mid-August. The hay crop is estimated at 70 per cent of normal. It is partially harvested in some form. Most of it has been over-matured or badly weathered. Two weeks of favourable weather is needed to complete haying. Grain crops are immature for this time of year.

In the Peace River Block above average crops are now ripening rapidly though three weeks later than usual. Swathing of the barley crop is in progress. Some early wheat suffered hail damage ranging from 30 to 50 per cent in two small areas. There has been no frost. Fescue harvesting is completed with yields 300 to 400 pounds. Haying is continuing with better weather. The quality is low but yields are high. Much early-cut hay was spoiled.



## Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending 8 a.m. Aug. 24, 1964	Total since April 1	Normal since April 1	week ending	
					8 a.m.	
					Aug. 24 1964	Normal
			inches			degrees F.
<u>MANITOBA</u>						
1	Boissevain	1.32	10.73	11.18	62	62
	Pierson	.95	13.70	10.85	61	63
	Waskada	N.R.	11.94(2)	11.18	N.R.	64
2	Ninette	.72	11.74	11.44	62	62
	Baldur	.76	13.69	11.46	61	63
	Pilot Mound	.42	11.47	11.47	60	63
3	Altona	.64	11.18	10.62	62	64
	Deerwood	.79	11.88	10.83	60	62
	Graysville	.95	10.59(2)	10.30	59	64
	Gretna	.50	15.02	10.73	62	64
	Morden	1.08	12.10	11.03	60	64
	Morris	.42	13.89	9.89	62	66
	Portage la Prairie	.51	13.81	10.87	61	64
	Roland	.58	11.64	10.63	62	64
4	Stonewall	.06	12.82	10.71	61	64
5	Emerson	.30	15.35	10.67	63	65
	Steinbach	.41	14.11	10.94	61	63
	Winnipeg	.25	10.13	10.45	63	64
	Starbuck	.34	12.01	10.45	62	64
6	Seven Sisters Falls	.17	11.50	10.02	62	61
	Great Falls	.26	12.00(2)	9.43	64	61
	Sprague	.85	16.22	12.00	60	60
7	Reston	N.R.	1.34(2)	10.81	N.R.	63
	Rivers	.21	11.18	12.00	60	62
	Virden	.83	12.98	10.35	60	63
8	Brandon	.41	11.83	11.71	62	62
	Cypress River	.40	10.84	10.68	61	63
9	Gladstone	.08	8.59	11.08	N.R.	N.R.
10	Birtle	.50	10.55	10.75	58	59
	Rosburn	N.R.	10.94(2)	10.16	N.R.	59
	Russell	.24	10.76	9.90	59	60
11	Dauphin	.05	9.82	10.07	61	63
	Gilbert Plains	.20	6.97	10.07	59	63
12	Arborg	.14	8.53	10.09	59	62
	Gimli	.01	11.38	10.80	61	62
	Steep Rock	.24	6.31	9.94	60	60
13	Swan River	.03	10.25(2)	10.15	N.R.	58
	The Pas	.47	11.52	8.73	60	59
14	Grass River	.15	8.74	11.21	62	62
MANITOBA AVERAGE		.45	11.61	10.66	60.9	62.4

## II

## 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. Aug. 24, 1964	since April 1	since April 1	8 a.m. Aug. 24	
			inches		1964	Normal
degrees F.						
<u>SASKATCHEWAN</u>						
1A	Carlyle	.90	12.23	10.23	60	60
	Estevan	1.24	12.56	10.57	63	64
	Oxbow	.45	10.08	10.67	62	62
	Willmar	N.R.	8.53(2)	10.11	N.R.	N.R.
1B	Broadview	2.07	12.38	10.96	61	59
	Moosomin	1.18	12.21	11.07	59	61
2A	Yellow Grass	.73	9.91	9.40	64	62
	Weyburn	1.04	10.37	9.54	64	62
	Midale	1.48	9.87	9.39	64	62
	Claybank	N.R.	8.48(2)	9.40	N.R.	62
2B	Moose Jaw	.41	7.10	8.66	64	63
	Regina	.75	10.70	9.09	64	62
	Francis	.69	12.80	8.64	62	61
	Qu'Appelle	.67	8.43	9.97	62	61
	Indian Head	.80	9.72	9.27	61	61
	Ormiston	.60	7.41	9.28	63	62
3AS	Minton	.48	8.75	10.16	63	62
	Cardross	.35	5.29	9.20	63	62
	Ceylon	.49	8.16(2)	10.44	60	62
	Chaplin	N.R.	5.26(2)	8.03	N.R.	62
3AN	Gravelbourg	.27	6.99	8.98	63	62
	Shaunavon	.92	10.07	8.00	60	62
3BS	Pambrun	.79	5.82	9.23	61	62
	Aneroid	.67	6.29	8.13	63	62
	Instow	.87	7.44	8.30	63	62
	Swift Current	1.27	6.38	9.04	62	62
3BN	Hodgeville	.22	5.40(2)	9.12	55	62
	Hughton	.97	4.20	7.57	62	62
	Maple Creek	1.11	8.46	7.78	63	62
4A	Consul	.57	6.33	7.19	62	61
	Abbey	1.66	5.99(2)	7.15	62	62
4B	Leader	N.R.	7.78(2)	7.20	N.R.	62
	Cupar	.84	6.17	8.57	64	62
5A	Balcarres	1.19	7.23(2)	8.29	N.R.	N.R.
	Lipton	.95	6.45	8.29	62	62
	Melville	1.66	10.25	9.09	60	60
	Yorkton	3.18	12.17	9.44	61	62
5B	Bangor	1.76	9.61	9.50	60	60
	Dafoe	1.76	9.01	9.73	61	60
	Foam Lake	1.24	12.26	9.77	59	60
	Kuroki	1.31	15.00	9.64	58	59
	Lintlaw	1.28	14.98	9.51	58	58
	Kamsack	.66	11.07	9.30	61	61
6A	Davidson	.15	6.51	7.86	63	61
	Imperial	.26	7.86	8.15	62	61



## 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.	since	since	8 a.m.	
		Aug. 24, 1964	April 1	April 1	Aug. 24	
					1964	Normal
		inches			degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6A	Strasbourg	.76	7.90	8.70	62	60
	Watrous	.40	6.38	7.76	62	62
6B	Harris	.50	4.18(2)	7.54	63	61
	Outlook	.08	5.84	7.12	62	62
	Saskatoon	.80	5.97	8.62	62	61
	Elbow	.37	5.53	7.28	63	62
	Tugaske	.38	6.61	8.25	60	61
	Dundurn	.42	6.23	7.85	62	62
7A	Alsask	N.R.	6.32(2)	6.99	N.R.	61
	Kindersley	1.28	8.12	7.27	61	61
	Rosetown	1.18	6.02	8.28	60	61
7B	Macklin	.92	9.61	8.06	60	60
	Denzil	1.19	9.26	8.06	59	60
	Scott	1.89	7.19	8.09	60	59
	Biggar	1.74	7.26	8.11	59	61
8A	Hudson Bay	.39	13.09	9.51	59	58
	Prairie River	1.23	9.39	9.23	58	58
8B	Humboldt	1.13	10.15	8.00	60	61
	Melfort	1.35	7.70	8.80	60	59
9A	North Battleford	2.24	9.03	7.90	61	61
	Victoire	1.56	9.52	8.42	62	57
	Prince Albert	.88	4.55	9.00	60	60
	Island Falls	2.82	12.41	9.76	58	57
9B	Waseca	.80	8.88	8.39	59	58
	St. Walburg	1.57	9.79	8.86	55	57
SASKATCHEWAN AVERAGE		1.01	8.83	8.78	61.1	60.9

ALBERTA

1	Empress	.56	6.10	5.75	63	64
	Foremost	.27	9.00	8.05	63	63
	Hanna	.07	8.87	8.02	60	60
	Manyberries	.18	6.44	6.31	62	64
	Medicine Hat	.21	5.04	7.15	65	65
	Winnifred	.16	8.63	6.81	N.R.	N.R.
2	Brooks	.02	6.72	7.36	58	62
	Drumheller	.05	7.26	7.78	62	61
	Gleichen	.10	7.35	8.50	60	60
	Hays	trace	7.42	7.15	61	62
	Rainier	.04	7.51	7.24	63	62
	Vauxhall	.09	6.63	7.12	63	61
	Warner	.14	10.34	8.76	61	61
	Raymond	.07	10.83	8.71	61	61
	Lethbridge	.03	10.13	8.92	63	61



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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. Aug. 24, 1964	since April 1	since April 1	8 a.m. Aug. 24	
			inches		1964	Normal
					degrees F.	
<u>ALBERTA</u> - Concluded						
2	Three Hills	nil	2.81(2)	9.08	59	58
	Trochu	trace	7.72	9.80	60	59
	Vulcan	.05	8.60(2)	8.58	59	59
3	Calgary	.04	10.36	10.55	60	58
	Cardston	.18	13.46	9.51	58	59
	Pincher Creek	.07	12.07	10.90	60	57
	Fort MacLeod	.41	7.66	9.53	61	62
	High River	.06	7.15	11.28	57	57
	Magrath	nil	9.89(2)	9.31	63	62
	Alliance	.09	7.57	9.64	58	57
	Coronation	.06	5.78	8.12	61	59
4	Hughenden	.02	7.04	8.90	60	58
	Lloydminster	1.21	9.57	8.51	59	58
	Stettler	nil	8.01	10.28	58	57
	Vegreville	.03	7.83	9.40	61	58
	Ranfurly	.03	6.59	9.65	59	58
	Vermilion	.37	8.03	10.14	60	57
	Edmonton	.18	9.16	10.79	58	59
	Lacombe	.05	8.55	11.39	57	58
5	Red Deer	.22	9.27	10.56	59	57
	Rocky Mountain House	.34	12.76	14.41	56	56
	Wetaskiwin	.13	8.67	10.50	59	58
	Athabasca	N.R.	8.68(2)	9.75	N.R.	57
6	Campsie	1.17	13.65(2)	11.24	55	56
	Edson	.54	13.69	12.10	54	55
	Elk Point	.44	9.47(2)	9.03	58	56
	Lac la Biche	.17	8.98	9.89	59	58
	Smith	N.R.	11.68(2)	9.62	N.R.	57
	Whitecourt	.85	17.85	12.77	54	55
	Beaverlodge	.58	21.17	8.06	53	57
	Fairview	1.13	14.92	8.46	56	56
7	Ft. Vermilion	.07	8.10	6.76	56	56
	Grande Prairie	.69	18.54	8.13	56	57
	High Prairie	.28	17.48	9.69	54	57
	Peace River	.64	14.58	7.73	56	56
	Rycroft	.50	17.72	7.81	53	57
	Wagner	1.48	15.80	9.51	57	57
ALBERTA AVERAGE		.28	10.10	9.13	58.9	58.7

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.