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TELEGRAPHIC CROP REPORT - CANADA

This is the last of the 1963 series of six telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the last 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: Recent wet weather has held up grain harvesting throughout the Maritime Provinces. Some early frost has been reported. In Prince Edward Island much of the grain is ripe and average yields are in prospect. Some potato harvesting is underway and the outlook is promising for this crop. Pastures and hay aftermath are doing very well. In central and eastern Nova Scotia grain harvesting is in progress and in the western part of the province it has been completed. The early potato crop has been lifted and growers will start harvesting the late crop within the next two weeks. Pastures are in excellent shape as a result of recent rains. Cool, showery weather for the past two weeks has made grain harvesting in New Brunswick difficult. Considerable lodging is reported. An estimated 50 to 60 per cent of the crop has been cut. However, yields are average and quality is good. The early potato crop has been harvested and digging of the late crop will begin in about one week. Pastures are productive and aftermath is excellent.

Quebec: Frequent rains have continued throughout Quebec since the last report. As a result completion of haymaking has been delayed. Grain cutting is also somewhat retarded by unfavourable conditions in many areas. However, Montreal district farmers have almost completed grain harvesting with good yields reported, but quality somewhat reduced. Pastures and aftermath are doing well as a result of the rain and milk production is satisfactory. Digging of late potatoes has started in the southern part of the province. It is anticipated, however, that production will likely be below previous expectations due to blight damage brought about by the difficulties of maintaining proper spray programmes this season. Near Montreal farmers have started putting up corn silage, with good yields reported. Growers have now finished picking good crops of cigar and pipe tobacco. It is anticipated that the cigarette tobacco harvest will also soon be finished. Yields are good. Sugar beets also appear promising. Most vegetables are yielding well with good quality, except for tomatoes where ripening is late. Early frosts were reported in some districts on August 23, September 2, 4 and 5.

Note: Data for Newfoundland not available.

Prepared in the Crops Section, Agriculture Division

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ROGER DUMAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1963

Ontario: Very dry weather conditions have prevailed in southern and western Ontario while central and eastern regions have experienced generally cooler temperatures combined with showers. As a result, corn and soybean prospects in the southwestern counties have declined, while the remainder of the province needs warm, dry weather to bring the corn crop to maturity as well as to facilitate completion of harvesting of spring grains. Yields of spring grains are average to below average. Seeding of fall wheat is progressing. Mid-season peaches, pears and early grapes are about a week later than usual. Harvesting of tobacco is progressing. Pastures are good in central and eastern counties, but could use some rain in the south and west.

Prairie Provinces: Ideal harvesting weather during the past week to ten days has permitted rapid progress with harvesting over most of the Prairie Provinces. Harvesting of cereals is practically completed in southern districts and for the Prairie Provinces as a whole, over half has now been threshed. Yields of wheat, oats and barley have been turning out well except in the Peace River area and parts of the southern sections of all three provinces. The quality of grain is quite variable in Manitoba particularly, but elsewhere it is generally fair to good. A good flax crop is being harvested and prospects for rapeseed are also good. Special crops such as sugar beets, sunflowers and peas are expected to yield well. Fodder supplies are generally adequate and livestock are in good condition.

British Columbia: Continued warm weather throughout most of British Columbia has hastened the maturity of crops which had been retarded earlier by below normal temperatures. In the Okanagan, harvesting of Bartlett pears is complete and later varieties are getting underway. A large apple crop is expected to start moving in volume next week as the picking of McIntosh commences. Late variety peaches are also beginning to move after a slow start. The harvesting of the second crop of early potatoes is now well advanced with the late varieties to start next week. Corn and carrots are in good supply. Harvesting of grain crops is starting in all areas of the Peace River District with yield prospects down as a result of dry weather.

#### MARITIME PROVINCES

In Prince Edward Island rain fell on fourteen days during the period August 15 to September 8, with the total precipitation amounting to 6.87 inches. As a result grain harvesting has been delayed. Weather conditions have also been cool. Much of the grain crop is now ripe and it is estimated that from 15 to 25 per cent has been harvested. Yields are expected to be about average. Pastures have been well maintained and are in good condition, while hay aftermath growth is described as luxuriant. Some potatoes have been dug and top killing is being carried out in many areas. Although late blight has been reported, weather conditions have not favoured the development of this disease. Yields of early potatoes were heavy. Cole crops and fodder corn are promising. Blueberry picking is well advanced, but production is below average. Apple yields are also slightly below average. A slight ground frost occurred on August 27 but no damage is reported.

In the Truro district of Nova Scotia, grain crops are ripe but the wet weather of the last two weeks has rendered harvesting difficult. Some lodging has occurred. Potatoes and root crops, however, are growing well and grass is excellent. Pastures are very good for this time of the year. Blueberry picking is almost completed and fall ploughing is underway.



Reports from Amherst indicate that the weather has been favourable for haying and harvesting grain. However, about 90 per cent of the hay is in and 30 per cent of the grain has been harvested. Fall pastures are showing good recovery and some fall ploughing has been done. In the Annapolis Valley rainfall has been more than adequate and as a result pastures are good. About three-quarters of the grain crop has been harvested, with above average yields. Potatoes, corn, carrots and turnips are all producing average or slightly better than average crops. Apples are maturing a few days earlier than usual, with the Gravensteen variety now being picked. Some pears are also reaching the market.

Throughout the province pastures are in excellent shape as a result of recent rains. Grain harvesting is underway and has been completed in some districts. The early potato crop has been dug and growers will start harvesting late potatoes within a week's time. About 75 per cent of the blueberry crop has been picked and the tomato harvest is at its peak.

Reports from Fredericton, New Brunswick, indicate that frequent, heavy rains have resulted in considerable lodging of grain and made the ground soft so that harvesting operations have been hampered. However, the crop harvested so far has been of good quality and about average yields are being obtained. A good early potato crop is now off and prospects are for a normal late crop with little blight reported. Pastures and aftermath are excellent with new seedings very good. Red clover seed and root crops are above average. Frost was reported on September 5 the earliest in ninety-one years. This caused variable damage to tender crops. Some wind damage to tobacco has also occurred.

Cool, showery weather has also prevailed during the past two weeks in the Andover district making harvesting difficult. Reports indicate, however, that between 50 to 60 per cent of the grain has been cut, with an average outturn anticipated in spite of some losses due to lodging. Potatoes have been top killed and digging of the late crop will begin in about one week. Prospects are good.

The Canada Department of Agriculture reports that (based on conditions as of September 1) the tobacco crop in the Maritimes is much better than last year due mostly to better growing conditions and the balancing of plant nutrients.

#### QUEBEC

At L'Assomption, weather conditions during August have been abnormal with excessive rainfall (6.36 inches), low average temperature (61.6 degrees), and fewer hours of sunshine (166 hours). A minimum grass temperature of 30 degrees Fahrenheit was reported. The tobacco crop sustained some frost damage on September 5. A small tomato crop is anticipated. Frequent rains have delayed grain harvesting, but pastures are in good condition.

At St. Jean, heavy rains and cool weather have prevailed during the past three weeks with over 4.75 inches of rainfall reported. Fresh market and canning crop vegetables are doing well with abundant yields being obtained. Grain harvesting on the other hand is proceeding slowly due to frequent rain, with the result that yield and quality will be adversely affected. Meadows and

pastures are in excellent condition. Apple growers have finished picking the Melba variety and started harvesting Lobos early this month. Normal sizes are reported for all varieties of apples despite the heavy rainfall in August.

Farther east at Lennoxville 8.64 inches of rain were reported during twenty-two days in August. Wet weather and cold nights have not favoured the growth of forage and grain corn. Farmers are finding it difficult to harvest cereals because of the rain and heavy lodging. However, pastures and hay aftermath are very good as are the potato and fodder corn prospects.

At Ste Anne De La Pocatière, although cool weather has delayed ripening of grain crops, a good proportion of the grain has been cut and threshed with average yields reported. Pastures and hay aftermath are very good. Potato yields are promising and forage corn and root crops are above average.

In the Lake St. John district a total of 2.75 inches of rain fell on seventeen days since the last report. Farmers have harvested about 60 per cent of the grain crop. Pasture and aftermath are good and blueberry production very good. Potatoes are also promising. In certain areas some frost damage has occurred. In the Baie des Chaleurs region heavy rains are holding up farm operations. A total of 19.72 inches of moisture have fallen since May 1, with 2.5 inches during the first ten days of September.

Haymaking has not yet been entirely finished with considerable reduction in quality loss. The rain soaked soils are hampering grain cutting. Ripening is somewhat delayed and lodging is bad. Late blight is reported on potatoes with the excess moisture making storage difficult.

The Canada Department of Agriculture reports that, based on conditions as at Sept. 1 flue-cured tobacco is maturing slightly earlier than the Ontario crop due mostly to adequate rainfall in July. The cigar crop was well advanced by the first week in August and harvesting had commenced by the end of that month.

#### ONTARIO

In Simcoe County of Western Ontario harvesting of spring grains and second crop hay has been completed except for a few late fields and some buckwheat. Grain yields averaged about 95 per cent of normal. Pastures are in fair condition but need rain. Prospects for tobacco and grain corn are good if there is no frost for two to three weeks while silage corn and potatoes indicate an average crop. In Wellington County 20 per cent of the spring grain crop remains to be harvested. Yields are surprisingly good in this area and may equal those of last year. Flax is being swathed with considerable second growth in evidence. Pastures are generally good except in the better drained soils. The corn crop is variable and rain would be welcome. Harvesting has been completed in Waterloo County, although some second cut hay is still being stored. Cool weather has slowed growth, particularly in the corn crop. Spring grains have been harvested in Halton County and fair to average yields are reported. Pastures are making good growth. Average prospects are indicated for yields of silage corn and grain corn. Harvesting of silage will commence this week. Seeding of fall wheat has commenced but rain would be welcome as soil moisture is low.



Harvesting of spring grain is completed in Middlesex County and yields were reported to be a good average. Some barley and oat fields yielded 80 to 100 bushels per acre and wheat yields went as high as 60 bushels per acre. Cutting of second crop hay is practically completed. Harvesting of tobacco is progressing. The weather has been generally very dry and as a result pastures and some of the beans and corn have suffered. In addition, cool temperatures during August delayed maturity. Fall wheat is being seeded but some fields need moisture for germination. Apples have been colouring fairly well but need rain for sizing. Continuing dry weather in Essex County will reduce many crop yields drastically. Corn and soybeans will yield much below average. Prospects for canning tomatoes are now only 60 per cent of last year's crop. Half of the burley tobacco crop has been harvested with average quality and lower yields reported. Recent dry weather on Pelee Island has seriously affected soybeans and yield prospects are only about 70 per cent of average. Maturing is occurring rapidly and early seeded fields will be ready for harvest next week.

Near drought conditions have prevailed throughout Kent County and yield prospects of most crops are much reduced from last year. Harvesting of white beans has just commenced with good quality and reduced yields reported. Corn and soybean prospects are much below those of last year. Harvesting of burley tobacco is nearing completion and yields and quality are about average. The tomato harvest is approaching its peak and prospects for the total crop are below a year ago. Sugar beets are making little growth and indicate that the tonnage of this crop will also be lower than last year. Cool, rainy weather in Norfolk County has delayed maturity of corn and tomatoes. Seed beds for fall wheat are in excellent condition. Silo filling has commenced and three weeks of warm weather would mature a record corn crop. Pastures and new seedings are in excellent condition. The tobacco harvest is progressing well and good yields are anticipated.

A report from the Experimental Farm at Delhi indicates that about 35 per cent of the Ontario flue-cured tobacco crop has been harvested. Dry weather conditions earlier in the season and cool temperatures during most of August have tended to delay maturity. Aside from the late maturity, the crop is well developed and should produce a higher than normal yield, provided suitable weather conditions prevail until the harvest is completed.

In Lincoln County mid-season peaches, Bartlett pears and early grapes are being harvested about one week later than normal. Quality of the fruit is generally good and damage from insects and disease has been light; however, the pear rust mite was troublesome in some orchards while the European red mite reached a peak population later than usual and caused local damage to peaches, pears and apples.

Seeding of fall wheat is progressing in Prince Edward County. Picking of tomatoes is continuing. Moisture supplies in this area are adequate. Grain harvesting in York County has been slow due to weather conditions but it is now almost completed. Yields of wheat were good but the quality was affected by lodging and poor weather. Yields of oats were down about 20 per cent and barley yields were slightly lower than usual. Grain corn is maturing slowly and an early frost would affect yields. Second crop hay has been cut but harvesting has been difficult. Soil moisture is good and pastures, potatoes and turnips have all benefited. In Peterborough County land is being prepared for fall wheat under good conditions. Yield prospects for silage corn are average with many good fields and a few poor stands. Moisture supplies are adequate and pasture condition is good.

Harvesting of oats in Leeds County is about 80 to 90 per cent completed and yields and quality are reported to be about 25 per cent lower than normal. The corn crop needs about two weeks of good weather although harvesting of silage has commenced. Seeding of winter wheat is progressing and moisture supplies are indicated as adequate. Pastures and new seedings are good. Harvesting of spring grain is 90 per cent completed in Renfrew County and quality and yields of oats are poor. Fall wheat is being seeded and it appears that there will be an increase in acreage. Corn and tobacco are slow in maturing due to cool weather. In Carleton County harvesting of a good crop of corn silage has commenced before harvesting of spring grains has been completed. Most spring grains are badly lodged and a heavy growth of weeds has made harvesting difficult. The grain is not of high quality, only medium in yield, and weathered to a great extent. Approximately 20 per cent of the crop remains to be harvested. Corn is an excellent crop throughout the county. Some fall cultivation has been done but not a significant amount.

A report from Kapuskasing indicates that harvesting of grain crops has been completed over most of the district. Temperatures during August were about four degrees lower than average and combined with frequent rains caused delays in haying operations.

#### MANITOBA

Good weather has permitted rapid progress in harvesting Manitoba's crops. The harvest is three-quarters complete, with flax, some coarse grains and special crops remaining to be done. Southern regions are most advanced; others have less than two-thirds completed with some wheat yet to be threshed. Yields and grades are better in the northwest regions than in the south. The flax harvest is underway with good yields being obtained. Harvesting of peas, rapeseed and potatoes has also started, but yields are below those of last year. Sunflowers are being harvested under excellent conditions. Fall tillage is 75 per cent complete in some southern regions.

Harvesting of wheat and oats is almost completed at Vita in southeastern Manitoba. Wheat is yielding from 5 to 12 bushels per acre and is grading Nos. 3 to 6 northern. Oats are yielding 20 to 35 bushels per acre and barley 12 to 18 bushels. Harvesting of flax is approximately 50 per cent completed with 9 to 15 bushels per acre being obtained. It is getting too dry for fall cultivation which is approximately 25 per cent complete. Only 1.37 inches of rain were received during August. In the Altona district the grain harvest is completed except for a few fields of late flax. The soil is very dry and it will interfere with beet harvesting which starts next week, unless showers are received. Sunflowers are maturing well with excellent yields expected. An average crop of peas has been harvested and the rape crop has been good. On most farms the major part of the fall cultivation has now been completed. Corn silage making is 50 per cent done. Pastures are dry.

No rain has been received at Morden recently and the cereal harvest is 85 per cent completed. About 55 per cent of the flax crop has been threshed. Flax is yielding between 11 and 12 bushels per acre. The canning corn harvest is nearing completion, buckwheat is being swathed and sugar beets are sizing well. Harvesting of this crop will commence about September 16. Pastures are in fairly good condition. A considerable amount of fall tillage has been done.



East of Winnipeg at Beauséjour, the dry warm weather has also speeded up harvesting and between 80 and 90 per cent of the cereals have been threshed. Yields and quality are below average. Wheat is grading 4 to 6 Northern with barley and oats mostly in the feed grades. Heat and rust damaged crops more severely in the last stages of growth than was expected. Flax yields, however, are above average. About half the wheat harvest has been completed in the Portage La Prairie area with yields of 17 bushels and grades 4 and 5 Northern. Other crops are 60 per cent completed, with barley yielding 15 and oats 30 bushels. Quality of these crops is poor. The flax harvest is 15 per cent complete, with yields from 12 to 15 bushels and good quality. Ninety per cent of the peas are done with yields of 15 to 20 bushels. Prospects are for good yields and high quality sugar beets. Harvesting will start within a week.

The Experimental Farm at Brandon reports that the average yields of wheat and barley will be slightly lower than anticipated. Wheat is averaging 22 bushels and barley 30 to 32. The anticipated average yield for oats is 45 bushels. Flax threshed to date has averaged from 10 to 12 bushels per acre. Harvesting of grains is 75 to 85 per cent complete and the second cut of hay is finished. Soil conditions are dry in this area. Farther west at Virden good harvesting weather has prevailed since September 3 and harvesting is from 60 to 75 per cent complete. Much of the wheat is quite light weight and of low grade. Wheat in the Assiniboine Valley, however, is grading and yielding very high. Flax is being swathed and with good weather, harvesting should be nearly completed this week.

In the Interlake area at Teulon 90 per cent of the wheat has been harvested with yields from 20 to 25 bushels per acre and grades varying from Nos. 3 to 5. Many farmers with small acreage have finished harvesting. Most of the barley has been harvested but many fields of oats have not been swathed and no flax has been cut. Corn for silage is yielding well.

Our correspondent from Neepawa, in west-central Manitoba, reports that harvesting was progressing favourably by last weekend and estimates that 60 per cent is now combined. Wheat yields range from 8 to 32 bushels with an average of 19, while oats average 50 and barley 35. Hay and water supplies are good. At Minnedosa the hot, dry weather during the past week also allowed harvesting operations to proceed favourably. Less than 50 per cent of the total acreage has been harvested to date. Wheat yields are about average at 25 to 30 bushels per acre. Farther west at Shoal Lake, dry, warm weather also prevailed during the past week and harvesting is in full progress. Seventy per cent of the wheat has been completed and 60 per cent of the coarse grains. Yields are generally good but some sprouting and weathering occurred. Average yields expected are wheat 30, barley 50 and oats 50 bushels per acre. It is estimated that harvesting will be completed by September 15 to 20 if the dry weather continues. Fall tillage has begun and straw baling is commencing. From 50 to 60 per cent of the harvesting has been completed at Binscarth with estimated yields for wheat 35 bushels, oats 60 and barley 40. Wheat is grading No. 3 to 4 Northern and oats and barley are predominantly in the feed grades. Good weather will see 90 per cent of the harvesting complete by mid-September.

In northern Manitoba, at Dauphin, 80 per cent of the wheat, 50 per cent of the coarse grains and 20 per cent of the flax has been harvested. Wheat is

grading 3 to 5 Northern, with average yields of 20 bushels per acre. Barley is averaging 20 bushels, oats 40 and flax 10. Pastures have been adequate and gardens are excellent. Farther north at Swan River harvesting is 75 per cent complete with wheat yielding 25 bushels per acre and 75 per cent grading No. 3, 5 per cent No. 2, and the remainder Nos 4 and 5 Northern. Barley is yielding 35 bushels with 85 per cent grading No. 2 Feed. The oat yield is 45 bushels per acre and rapeseed 825 pounds per acre.

The unweighted average precipitation since April 1 has been 26 per cent above normal as compared with 32 per cent above normal a week ago, 33 per cent above normal two weeks ago and compared with 34 per cent above normal a year ago. Mean temperature for the week ending September 9, 1963 was 5.2 degrees above normal compared with 1.7 degrees above normal a week ago, 4.6 degrees above normal two weeks ago and in contrast to 6.8 degrees below normal for the week ending September 10, 1962.

### SASKATCHEWAN

Harvest has progressed rapidly in Saskatchewan with generally ideal weather conditions. It is estimated that by last weekend 85 per cent of the wheat and 90 per cent of the coarse grains had been cut and 60 per cent of the wheat and 70 per cent of the oats and barley had been threshed. The flax harvest is just commencing. Wheat harvesting is most advanced in the Regina-Weyburn, south-central and southwestern districts at about 75 per cent, while the east and west-central districts are about 50 per cent completed and northern areas 25 per cent. Many farmers in southern and central districts are expected to complete operations this week while other areas require about ten more days of good weather to finish. Grains are generally yielding quite well and 90 per cent of the wheat is grading 1 to 4 Northern.

A report from Arcola in the southeast part of the province states that harvesting was held up until September 3 on account of wet weather, but that 60 per cent is now completed with yields of 20 bushels per acre for wheat and barley, 50 for oats and 10 for flax. Most of the wheat in this district is expected to grade 3 and 4 Northern. At Yellow Grass combining is about 90 per cent completed with average yields of 26 bushels for wheat, 50 for oats and 40 for barley. The flax harvest could be completed in about a week and an average yield of about 15 bushels per acre is in prospect. Heavy rains during the last week of August flooded low-lying areas in the Fillmore district but about 60 per cent of all cereals have now been harvested. Wheat yields are averaging approximately 20 bushels per acre and grading mostly No. 3 and 4.

The Experimental Farm at Indian Head reports that hot, dry weather during the past ten days has permitted excellent progress and swathing has been completed except for flax. Wheat yields are running 30 to 45 bushels per acre and grading 2 and 3 Northern. Barley and oat yields have been about 45 and 70 bushels per acre, respectively. Most summerfallows will require one more tillage operation to control weed growth. Pastures continue good with livestock in excellent condition.

The harvest is about 85 per cent completed in the Gravelbourg district and yields are reported to be good. Most of the wheat is of the top four grades. Farther west, at Swift Current, the Experimental Farm reports that harvesting is nearing completion and yields of wheat are ranging from 20 to 35 bushels per acre and grading mostly 2 and 3 Northern. Coarse grain yields are relatively high but the sample is more shrunken than wheat. Western parts of this area are reported to be too dry now for the seeding of fall rye.



A report from Big Beaver states that combining is 90 per cent completed and the average yield of 20 bushels of Grade 2 and 3 wheat is somewhat better than was previously expected. At Val Marie the harvest of all grains is nearing completion. Grades are good and yields range from fair to good. In the deep southwest at Eastend operations are also winding up with yields of 19 bushels per acre of wheat, 45 for oats, 35 for barley and 10 for flax. About 70 per cent of the wheat is grading No. 2 and 3 Northern, about 5 per cent is grading No. 1 and 25 per cent No. 4. Wheat yields at Leader ran 20 to 25 bushels per acre and the sample was good. Flax is still standing and average yields are expected.

About 75 per cent of the wheat is now combined in the Sturgis district in the east-central part of the province. Yields here are about 30 bushels per acre, mostly 2 and 3 Northern. Oats are yielding 50 to 60 bushels per acre but the barley crop is only fair. About half of the coarse grains have been harvested. Rapeseed is yielding about 30 bushels to the acre.

Harvesting weather has been ideal during the past two weeks in the central districts of the province and the harvesting is over 90 per cent completed. A report from Drake indicates that wheat yields vary from about 20 to 35 bushels per acre, averaging 26 and grading mostly 2 and 3 Northern. Fall tillage is getting underway and a good rain would be appreciated soon. Pasture conditions have been good and cattle are in excellent condition. Around Saskatoon many farmers have finished harvesting and operations could be completed with a few more days of good weather. Wheat yields in this district average about 28 bushels per acre with No. 3 Northern the most prevalent grade. Pastures are reported to be very dry.

The Experimental Farm at Scott in the west-central part of the province reports that 50 per cent of the grain in this area is now threshed and yields of wheat are about double average, grading mostly 3 Northern. About two more weeks of good harvest weather are needed to complete operations. Pastures and livestock are in excellent condition. The harvest is slightly less advanced in the Rosetown district. About 50 per cent of the wheat has been harvested here with yields ranging 25 to 35 bushels per acre. Flax swathing should be general within a week.

The Experimental Farm at Melfort in the northeast part of the province reports that fine weather for the past week has enabled farmers to make good progress with the harvest. Approximately 90 per cent of barley has been threshed. Wet weather after grain was swathed, reduced grades. Progress of threshing grain ranges from 30 to 60 per cent in this district. Most of the wheat is expected to grade No. 3 Northern but a considerable amount of barley will grade as Feed due to low bushel weight, although 3 C.W. is expected for a fair amount. Rapeseed yields are running close to expectations with averages between one thousand and fifteen hundred pounds per acre. There has been no frost to date. Pastures are in fair condition. At Nipawin the harvest is about 60 per cent completed. Hot weather in August reduced yields and grades. Estimated average outturns in the district are 30 bushels per acre for wheat, 40 for barley, 50 for oats, and 14 for flax. Rapeseed is expected to yield about twelve hundred pounds per acre.

In the northwest part of the province at Meota there has been some sprouting of grains in the swath. However, it is reported that yields are very good. About 60 per cent of the crops have been harvested. Similar progress has been made around Paradise Hill where wheat is averaging 25 bushels per acre or better and grading 2 and 3 Northern.

The Saskatchewan Hail Insurance Association reports that numerous hailstorms occurred all across the province on August 26 and over two thousand claims were received, many of which have not yet been inspected. The number of claims this year is 60 per cent greater than last year. The Canadian Hail Underwriters Association reports the following storms: August 15 - Empress to Fox Valley to Big Stick Lake, Brock to Plato to Lacadena, Cactus Lake to Coleville, Freemont to Biggar to Rosetown, Hanley to Penzance and from Lucky Lake to Spring Valley; August 17 - Lumsden to Kipling and Colfax to Manor; August 20 - the Salvador Meecham areas; August 26 - Plato to Viscount, Primate to Laura, Wilkie to Arelee, Davidson to Langenburg, Sheho to Calder; August 27 - Lake Lenore to Rose Valley, Cudworth area,

The average unweighted precipitation since April 1 has been 34 per cent above normal compared with 39 per cent above normal both one week and two weeks ago and 8 per cent above normal a year ago. Mean temperature for the week ending September 9 was 8.5 degrees above normal compared with 0.9 degrees above normal a week ago, 4.2 degrees above normal two weeks ago and in contrast to 7.3 degrees below normal for the week ending September 10, 1962.

#### ALBERTA

Most regions of Alberta had favourable harvest weather during the past ten days. In southern Alberta swathing of wheat, oats and barley is nearly completed and threshing is in full swing. Yields of wheat vary from five to twenty bushels per acre, grading Nos. 2 to 3. Along the foothills, yields are better. Weather permitting, the grain harvest should be finished by the end of the month. The sugar beet harvest should commence about September 20 and an average crop is expected. The harvest of sunflowers is expected to start at the end of the month and a very good crop is in prospect. Farmers are delaying seeding of fall grains due to lack of moisture and the appearance of grasshoppers. In central Alberta the harvest is somewhat later than in the south. A good crop is being realized despite considerable lodging and some leaf rust infestations on barley and wheat, especially on the Red Bobs variety. In northern Alberta the harvest is well advanced and yields are variable. Much of the rapeseed is turning out better than expected. Plenty of rain will be required before freeze-up to replenish moisture reserves. In the Peace River area showery weather is slowing the harvest. Grain yields are light and alsike clover is very short and difficult to harvest, but the fescue crop is excellent.

In the southeast of the province, harvesting is progressing very well. It is nearing completion in the Manyberries area although some late crops are still being swathed or combined. Yields are lower than expected. Range vegetation has cured and livestock are in good condition. Soil moisture ranges from poor to fair. Harvesting in the Medicine Hat area is also progressing well under ideal weather. Seventy-five to 80 per cent of the harvest is completed. Yields are varying from 3 to 20 bushels per acre, with some fields better. Quality ranges from good to poor. Pastures are fair and hay supplies adequate, with ample good hay in the irrigated areas. Livestock condition is good and calf weights are up from last year.



Harvesting in the southwest of the province is virtually completed. The winter wheat harvest at Lethbridge is finished and seeding is now well underway. The spring wheat harvest is almost complete east of Taber, but most of the crop in the remainder of the district is in the swath. Yields have been variable but better than anticipated. The canning corn harvest is also nearing completion. Digging of market potatoes has not yet started and the sugar beet harvest is expected to begin on September 19. Swathing of all grains in the Cardston area has been completed. Fifty per cent of the spring wheat, 40 per cent of the barley and 50 per cent of the oats have been threshed and all yields are good. Pastures and fields are dry but sufficient moisture is available to germinate cover crops and fall grains. Stock is in good condition. The hay crop was good and there is an abundance of straw. Swathing of spring sown grains in the Claresholm area is 80 per cent completed and harvesting is general. Spring wheat will average 25 to 40 bushels per acre and coarse grains are also yielding well. Some fields of flax are still green but stands are mostly good and the weather is warm and dry.

The weather has also been very good in the south-central part of the province. A report from Brooks states that about two-thirds of the harvest has been completed under good harvesting weather. Yields vary from fair to good, with some wheat yields and grades reduced due to rust. Some fields of corn are now being ensiled. Flax is being combined. Second and third-cut harvest of alfalfa hay is also underway. An excellent honey crop is expected and the forage seed set is fair to good. Harvesting in the Vulcan district is nearly half finished and crops are yielding as follows: wheat, 25 bushels per acre; oats, 80; barley, 60; flax, 15; and rapeseed and mustard are expected to yield about 800 pounds. Rust has damaged some of the older varieties of grain.

Farther north ideal weather conditions also prevail. Under good weather, 50 per cent of all the grains in the Hanna area has been harvested. Wheat is yielding 15 to 35 bushels per acre, oats around 40 bushels, barley 30 to 40 and rye about 20. The grain harvested is very dry, moisture content varying from 10.8 to 13 per cent. Ten more days of good weather will complete the harvest in this area. Swathing in the Calgary area is about completed and combining is well advanced under ideal harvest weather. One more week should see harvesting completed. The estimated yield of wheat is 30 bushels per acre, oats 55 and barley 45. Rapid progress is reported from Olds, once again under ideal harvesting weather. Swathing is completed and 75 per cent of the barley and oats and 50 per cent of the wheat have been threshed. Yields are good.

Similar conditions are reported from central Alberta. After two weeks of good weather in the Sedgewick area harvesting has advanced to the point where it is now 40 per cent completed. Yields are good, with wheat averaging 30 bushels per acre, oats 55 and barley 50. The rapeseed crop also looks very good and so do pastures. Two more weeks of good weather are needed to complete the harvest. Cutting should be finished by the end of the week at Donalda. Combining has started and will be general this week. There has been no frost and crops are turning out very well. Wheat grades should be good in this area. Wheat yields are expected to average 30 bushels per acre, oats 60 and barley 40. A light shower fell in this area on September 10. Harvesting is also in full swing in the Stettler area under ideal weather. The grain is being harvested in excellent condition. The wheat is dry and should grade No. 2 or No. 3 and coarse grains should grade as No. 1 Feed. Yields of wheat range from 25 to 30 bushels per acre, barley 45 to 55 and oats 60 to 90. In two more weeks the harvest will be 95 per cent completed. Temperatures in this area are ranging from lows of 38 to highs of 80.

Ideal harvest weather is also reported from the west-central part of the province. Above average temperatures and fine weather in the past two weeks in the Lacombe area have allowed harvesting to proceed rapidly. Swathing is nearly completed and combining is underway. Threshing of wheat is 50 per cent completed with yields about 40 bushels per acre. About 60 per cent of the barley has been threshed and yields are averaging about 45 bushels per acre. Thirty per cent of the oat crop has been threshed and yields are averaging about 60 bushels per acre. In the Eckville area, under the ideal harvesting weather of the past two weeks, 80 per cent of the grain has been threshed. Quality and yields have been good. Second-cut alfalfa hay in this area is now being put up in good condition with yields similar to the first cut. Pastures and summerfallow are in good condition. One week should see the end of harvesting in this area, given good weather.

Farther north, harvesting is about 50 per cent completed. From Vermilion the report is that 50 per cent of the wheat and 40 per cent of the coarse grains have been threshed. Average yields are as follows: wheat, 30 bushels per acre; oats 50 and barley, 40. About 30 per cent of the wheat is grading No. 2 Northern, 60 per cent No. 3 Northern and the remaining 10 per cent grading No. 4. Weather permitting, the harvest in this area will be completed by September 15. Harvesting is also reported to be approximately 50 per cent completed in the Edmonton area. The barley crop is about 80 per cent harvested and yields generally range from fair to good. Harvesting in the Stony Plain area is more than half completed under excellent harvest weather. Yields are lower than last year due to lack of moisture, but the grain is grading well. Moisture supplies are low and pastures are suffering.

Northeast of Edmonton, in the Bonnyville district, grain harvesting is general and about ten days of dry weather are needed to complete the harvest. Grain quality is good and yields, although spotty, will average close to normal. Estimated yields for wheat are 20 bushels per acre, oats 35, barley 25, rapeseed 1000 pounds. There has been no frost yet in this area and gardens are excellent.

Conditions are less ideal in the Peace River area. In the Beaverlodge district it has been the driest since the summer of 1922, with only half the normal supply of rain being received. Fescue and brome seed harvesting is complete and yields are good to excellent although the acreage was much reduced. Spring cereals are about half harvested with a considerable acreage being held for combining because of thin stubble. Yields vary from poor to good and the overall crop is expected to be about one-half of normal. Oilseeds and legumes are maturing rapidly. Average flax yields are expected but the rape crop is poor. The alsike, red clover, sweet clover and alfalfa crops are short, but early, and good yields and quality are expected. Hay will be lacking in some localities. It looks as though the harvest will be completed early and considerable work will be done on the land this fall. The harvest at Berwyn has been slow due to showery weather in the past week, and also because of second growth appearing throughout most crops. Wheat is about 20 per cent swathed, barley 30 to 40 and oats 20 to 25. Short, thin crops with second growth are difficult to harvest. Rapeseed is very poor, but the brome and fescue crops appear worthwhile in spite of low yields because of good prices.



The Alberta Hail Insurance Board reports that this has been just less than an average loss year with 4.5 per cent of their risk destroyed on claims from 16 per cent of the farmers insured covering hail storms on fifty-three days.

Average unweighted precipitation for the province since April 1 has been 7 per cent above normal as compared with 10 per cent above normal a week ago, 11 per cent above normal two weeks ago and 11 per cent above normal a year ago. Mean temperature for the week ending September 9 has been 9.2 degrees above normal as compared with 2.3 degrees above normal a week ago, 1.0 degrees below normal two weeks ago and 2.6 degrees below normal for the week ending September 10, 1962.

#### BRITISH COLUMBIA

On Vancouver Island, increased temperatures and sunshine have been favouring corn and tomato crops which up to this time had been delayed by below normal temperatures. Prospects remain good for the main potato crop. The cabbage harvest is in progress but supplies are expected to be limited because of the prevalence of maggot. At Agassiz, temperatures averaged close to normal during the month of August, but precipitation was somewhat below normal. Pastures are only fair, except those under irrigation. The harvesting of oats is almost complete with yields about average. Prospects for ensilage corn are good and harvesting of canning corn is well underway. Yields of the latter crop are good but the speed of ripening is becoming a problem for canners.

At Summerland, Bartlett pears were harvested in very good condition and, at the moment, are meeting with very good market reception. The harvesting of late prunes, peaches and Flemish pears is approaching completion. McIntosh apples are improving in colour and the harvesting of a large crop will commence this week. The grape harvest is just getting underway. August precipitation at Vernon was almost 50 per cent above normal, but temperatures tended to be slightly below normal. The harvesting of cereal crops has been completed with yields averaging 15 per cent below normal. Hay crops have been average with most third cuttings now harvested. Despite recent rainfall, soil moisture reserves are relatively low. Pasture crops are satisfactory.

Harvesting of spring grain crops is almost complete in the area around Creston with yields above average. Second crop alfalfa has been cut and is of good quality. Apples are sizing and colouring well and an above average crop is anticipated. At Kamloops and in the southern Cariboo, weather has been generally warm with some local electrical storms. A good crop of McIntosh apples is being harvested at Kamloops and the seeding of fall grain is in progress. Haying on ranches is still underway and ranges are holding well, but cattle are beginning to move to lower elevations as early frost matures the vegetation.

Grain crops are maturing normally at Prince George, but frequent showers have delayed threshing. Yields in this area are expected to be slightly above normal. Normal temperatures have stimulated the re-growth of forage crops. About 80 per cent of the barley crop has been harvested around Dawson Creek

with yields ranging between 12 and 15 bushels per acre. The wheat crop is about 30 per cent harvested with yields running between 15 and 18 bushels. The oat harvest is just getting underway with yields expected to average about 20 bushels. Pastures are dry and short and hay supplies are very low. Yields of fescue seeds are good but the outturn of clover seed is low. Crop conditions in the northern Peace River district vary from fair to good. Harvesting has been delayed by cool, wet weather and grain yields are expected to be slightly below normal.



Precipitation and Temperature Data, Prairie Provinces 1/

| Province and<br>Crop District | Station             | Precipitation                          |                           |                            | Mean Temperature                          |        |
|-------------------------------|---------------------|--|---------------------------|----------------------------|---|--------|
|                               |                     | Week ending<br>8 a.m.<br>Sept. 9, 1963 | Total<br>since<br>April 1 | Normal<br>since<br>April 1 | Week ending 8 a.m.<br>September 9<br>1963 | Normal |
|                               |                     | - inches -                             |                           |                            | - degrees F. -                            |        |
| <b>MANITOBA</b>               |                     |  |                           |                            |   |        |
| 1                             | Boissevain          | NIL                                    | 17.37                     | 12.14                      | 65  | 58     |
|                               | Pierson             | NIL                                    | 14.74                     | 11.72                      | 66  | 59     |
|                               | Waskada             | N.R.                                   | 10.21 <sup>2/</sup>       | 12.02                      | N.R.                                      | 59     |
| 2                             | Ninette             | NIL                                    | 12.02                     | 12.48                      | 65  | 58     |
|                               | Pilot Mound         | NIL                                    | 16.36                     | 12.56                      | 63  | 59     |
| 3                             | Altona              | NIL                                    | 16.44                     | 11.87                      | 64  | 60     |
|                               | Deerwood            | Trace                                  | 18.02                     | 11.97                      | 69  | 58     |
|                               | Graysville          | N.R.                                   | 13.07 <sup>2/</sup>       | 11.43                      | N.R.                                      | 59     |
|                               | Gretna              | NIL                                    | 15.07                     | 12.02                      | 67  | 60     |
|                               | Morden              | NIL                                    | 16.34                     | 12.22                      | 65  | 60     |
|                               | Morris              | NIL                                    | 11.36                     | 11.14                      | 66  | 61     |
|                               | Portage la Prairie  | Trace                                  | 17.39                     | 12.06                      | 65  | 60     |
|                               | Roland              | NIL                                    | 13.70                     | 11.84                      | 65  | 60     |
| 4                             | Stonewall           | NIL                                    | 15.01                     | 11.91                      | 62  | 60     |
| 5                             | Emerson             | NIL                                    | 14.72                     | 12.01                      | 67  | 61     |
|                               | St. Genevieve       | N.R.                                   | 12.66 <sup>2/</sup>       | 12.00                      | N.R.                                      | 59     |
|                               | Steinbach           | Trace                                  | 18.10                     | 12.24                      | 63  | 59     |
|                               | Winnipeg            | Trace                                  | 13.79                     | 11.77                      | 64  | 60     |
| 6                             | Seven Sisters Falls | NIL                                    | 14.13                     | 11.38                      | 64  | 57     |
|                               | Sprague             | NIL                                    | 15.05                     | 13.48                      | 62  | 56     |
| 7                             | Reston              | NIL                                    | 16.00                     | 11.76                      | 66  | 59     |
|                               | Rivers              | Trace                                  | 14.16                     | 12.89                      | 64  | 58     |
|                               | Virden              | NIL                                    | 15.47                     | 11.33                      | 64  | 59     |
| 8                             | Brandon             | NIL                                    | 11.83                     | 12.86                      | 64  | 58     |
|                               | Cypress River       | NIL                                    | 14.17                     | 11.67                      | 63  | 59     |
| 9                             | Kelwood             | N.R.                                   | 7.25 <sup>2/</sup>        | 12.33                      | N.R.                                      | 58     |
| 10                            | Birtle              | .01                                    | 16.67                     | 11.71                      | 62  | 55     |
|                               | Rosburn             | NIL                                    | 20.05                     | 11.18                      | 63  | 55     |
|                               | Russell             | NIL                                    | 14.52                     | 10.85                      | 62  | 55     |
| 11                            | Dauphin             | .01                                    | 14.92                     | 11.08                      | 60  | 59     |
|                               | Gilbert Plains      | Trace                                  | 11.57                     | 11.08                      | 62  | 59     |
| 12                            | Arborg              | .06                                    | 16.17                     | 11.34                      | 58  | 58     |
|                               | Gimli               | Trace                                  | 16.20                     | 11.91                      | 63  | 58     |
| 13                            | Swan River          | Trace                                  | 10.21                     | 11.12                      | N.R.                                      | 55     |
|                               | The Pas             | .15                                    | 15.06                     | 9.94                       | 59  | 55     |
| 14                            | Grass River         | NIL                                    | 11.65                     | 12.33                      | 61  | 58     |
| <b>MANITOBA AVERAGE</b>       |                     | .01                                    | 14.95                     | 11.82                      | 63.6                                      | 58.4   |
| <b>SASKATCHEWAN</b>           |                     |  |                           |                            |   |        |
| 1A                            | Carlyle             | Trace                                  | 18.51                     | 11.02                      | 65  | 56     |
|                               | Estevan             | NIL                                    | 20.36                     | 11.58                      | 66  | 59     |
|                               | Oxbow               | N.R.                                   | 14.77 <sup>2/</sup>       | 11.48                      | N.R.                                      | 58     |
|                               | Willmar             | Trace                                  | 15.83                     | 10.97                      | N.R.                                      | 58     |

Precipitation and Temperature Data, Prairie Provinces 1/

| Province and<br>Crop District   | Station       | Precipitation                          |                           |                            | Mean Temperature                          |        |
|---------------------------------|---------------|--|---------------------------|----------------------------|---|--------|
|                                 |               | Week ending<br>8 a.m.<br>Sept. 9, 1963 | Total<br>since<br>April 1 | Normal<br>since<br>April 1 | Week ending 8 a.m.<br>September 9<br>1963 | Normal |
|                                 |               |  | - inches -                |                            | - degrees F. -                            |        |
| <b>SASKATCHEWAN (continued)</b> |               |  |                           |                            |   |        |
| 1B                              | Broadview     | Trace                                  | 14.61                     | 12.00                      | 64  | 56     |
|                                 | Moosomin      | NIL                                    | 15.91                     | 12.08                      | 63  | 57     |
| 2A                              | Yellow Grass  | NIL                                    | 17.31                     | 10.25                      | 68  | 58     |
|                                 | Creelman      | NIL                                    | 12.20 <sup>2/</sup>       | 10.52                      | 66  | 57     |
|                                 | Weyburn       | NIL                                    | 16.91                     | 10.44                      | 67  | 58     |
|                                 | Midale        | NIL                                    | 18.91                     | 10.21                      | 66  | 58     |
|                                 | Claybank      | NIL                                    | 15.28                     | 10.21                      | 70  | 58     |
| 2B                              | Moose Jaw     | NIL                                    | 15.06                     | 9.44                       | 70  | 59     |
|                                 | Regina        | NIL                                    | 14.78                     | 9.91                       | 66  | 57     |
|                                 | Francis       | NIL                                    | 14.80                     | 9.57                       | 65  | 57     |
|                                 | Qu'Appelle    | NIL                                    | 18.30                     | 10.93                      | 65  | 57     |
|                                 | Indian Head   | NIL                                    | 14.18                     | 10.16                      | 67  | 57     |
|                                 | Wilcox        | N.R.                                   | 9.54 <sup>2/</sup>        | 10.00                      | N.R.                                      | 58     |
| 3AS                             | Ormiston      | NIL                                    | 14.56 <sup>2/</sup>       | 10.10                      | 67  | 58     |
|                                 | Minton        | NIL                                    | 12.36 <sup>2/</sup>       | 11.03                      | 66  | 58     |
|                                 | Cardross      | N.R.                                   | 14.13 <sup>2/</sup>       | 9.98                       | N.R.                                      | 58     |
|                                 | Ceylon        | NIL                                    | 13.37 <sup>2/</sup>       | 11.36                      | 65  | 58     |
| 3AN                             | Chaplin       | NIL                                    | 13.54                     | 8.78                       | 66  | 57     |
|                                 | Gravelbourg   | .05                                    | 12.56                     | 9.54                       | 68  | 58     |
|                                 | Coderre       | NIL                                    | 10.91 <sup>2/</sup>       | 9.53                       | 68  | 58     |
| 3BS                             | Shaunavon     | NIL                                    | 8.84                      | 8.65                       | 65  | 58     |
|                                 | Pambrun       | NIL                                    | 8.97                      | 9.93                       | 68  | 58     |
|                                 | Aneroid       | .50                                    | 9.89 <sup>2/</sup>        | 8.82                       | 66  | 58     |
|                                 | Val Marie     | N.R.                                   | 4.25 <sup>2/</sup>        | 7.11                       | N.R.                                      | 57     |
|                                 | Instow        | N.R.                                   | 9.59 <sup>2/</sup>        | 9.03                       | N.R.                                      | 58     |
| 3BN                             | Swift Current | NIL                                    | 9.61                      | 9.86                       | 69  | 58     |
|                                 | Hodgeville    | NIL                                    | 11.91 <sup>2/</sup>       | 9.84                       | 66  | 58     |
|                                 | Hughton       | NIL                                    | 8.61                      | 8.21                       | 68  | 58     |
| 4A                              | Maple Creek   | NIL                                    | 9.21                      | 8.54                       | 70  | 58     |
|                                 | Consul        | NIL                                    | 6.68                      | 7.75                       | 61  | 58     |
| 4B                              | Abbey         | NIL                                    | 10.48                     | 7.84                       | 68  | 57     |
| 5A                              | Cupar         | NIL                                    | 14.14                     | 9.39                       | 68  | 57     |
|                                 | Lipton        | NIL                                    | 15.60                     | 9.10                       | 66  | 58     |
|                                 | Melville      | .01                                    | 13.93                     | 10.12                      | 64  | 56     |
|                                 | Yorkton       | Trace                                  | 14.13                     | 10.43                      | 66  | 57     |
|                                 | Bangor        | Trace                                  | 17.10                     | 10.48                      | 65  | 56     |
| 5B                              | Dafoe         | Trace                                  | 11.85                     | 11.20                      | 66  | 56     |
|                                 | Foam Lake     | NIL                                    | 8.45                      | 10.71                      | 66  | 56     |
|                                 | Kuroki        | Trace                                  | 9.80                      | 10.61                      | 63  | 55     |
|                                 | Lintlaw       | NIL                                    | 9.76                      | 10.51                      | 63  | 54     |
|                                 | Kamsack       | Trace                                  | 9.76                      | 10.29                      | 65  | 57     |
| 6A                              | Davidson      | NIL                                    | 12.46                     | 8.49                       | 67  | 57     |
|                                 | Imperial      | NIL                                    | 14.07 <sup>2/</sup>       | 8.82                       | 68  | 57     |
|                                 | Strasbourg    | NIL                                    | 14.01                     | 9.42                       | 67  | 57     |
|                                 | Watrous       | NIL                                    | 12.28                     | 8.46                       | 66  | 57     |
| 6B                              | Delisle       | N.R.                                   | 9.19 <sup>2/</sup>        | 8.86                       | N.R.                                      | 57     |



Precipitation and Temperature Data, Prairie Provinces 1/

| Province and<br>Crop District   | Station          | Precipitation                         |                           |                            | Mean Temperature                          |        |
|---------------------------------|------------------|---------------------------------------|---------------------------|----------------------------|---|--------|
|                                 |                  | Week ending<br>8 a.m.<br>Sept.9, 1963 | Total<br>since<br>April 1 | Normal<br>since<br>April 1 | Week ending 8 a.m.<br>September 9<br>1963 | Normal |
|                                 |                  | - inches -                            |                           |                            | - degrees F. -                            |        |
| <u>SASKATCHEWAN</u> (concluded) |                  |                                       |                           |                            |   |        |
| 6B                              | Harris           | NIL                                   | 7.96 <sup>1/</sup>        | 8.28                       | 66  | 57     |
|                                 | Outlook          | NIL                                   | 10.56                     | 7.76                       | 68  | 58     |
|                                 | Saskatoon        | Trace                                 | 11.37                     | 9.44                       | 65  | 56     |
|                                 | Elbow            | NIL                                   | 9.51                      | 7.83                       | 67  | 58     |
|                                 | Tugaske          | NIL                                   | 15.60                     | 8.88                       | 65  | 57     |
|                                 | Dundurn          | NIL                                   | 11.26                     | 8.58                       | 66  | 57     |
| 7A                              | Alsask           | N.R.                                  | 9.81 <sup>2/</sup>        | 7.55                       | N.R.                                      | 57     |
|                                 | Kindersley       | NIL                                   | 8.61                      | 7.96                       | 66  | 57     |
|                                 | Rosetown         | NIL                                   | 13.98                     | 9.03                       | 63  | 57     |
| 7B                              | Macklin          | NIL                                   | 16.35                     | 8.79                       | 63  | 55     |
|                                 | Denzil           | .01                                   | 17.49                     | 8.79                       | 64  | 55     |
|                                 | Scott            | NIL                                   | 11.91                     | 8.89                       | 63  | 55     |
| 8A                              | Biggar           | N.R.                                  | 13.85 <sup>2/</sup>       | 8.90                       | N.R.                                      | 57     |
|                                 | Hudson Bay       | .05                                   | 8.76                      | 10.55                      | 60  | 54     |
|                                 | Prairie River    | .14                                   | 12.01                     | 10.21                      | 59  | 54     |
|                                 | Armit            | N.R.                                  | 1.23 <sup>2/</sup>        | 10.55                      | N.R.                                      | 54     |
| 8B                              | Humboldt         | NIL                                   | 10.37                     | 8.64                       | 65  | 56     |
|                                 | Melfort          | NIL                                   | 11.77                     | 9.88                       | 62  | 55     |
|                                 | North Battleford | Trace                                 | 13.16                     | 8.69                       | 63  | 57     |
| 9A                              | Victoire         | .10                                   | 15.71                     | 9.37                       | 60  | 53     |
|                                 | Prince Albert    | .09                                   | 12.06                     | 9.96                       | 62  | 56     |
|                                 | Island Falls     | 1.12                                  | 14.43                     | 11.14                      | 56  | 53     |
|                                 | Waseca           | Trace                                 | 12.55                     | 9.14                       | 66  | 54     |
| 9B                              | St. Walburg      | NIL                                   | 7.86                      | 9.66                       | 61  | 53     |
| SASKATCHEWAN AVERAGE            |                  | .03                                   | 12.93                     | 9.62                       | 65.3                                      | 56.8   |
| <u>ALBERTA</u>                  |                  |                                       |                           |                            |   |        |
| 1                               | Empress          | NIL                                   | 8.03                      | 6.32                       | N.R.                                      | 60     |
|                                 | Foremost         | NIL                                   | 6.20                      | 8.92                       | 65  | 58     |
|                                 | Hanna            | NIL                                   | 8.65 <sup>2/</sup>        | 8.60                       | 65  | 55     |
|                                 | Manyberries      | N.R.                                  | 6.13 <sup>2/</sup>        | 6.79                       | N.R.                                      | 59     |
|                                 | Medicine Hat     | NIL                                   | 9.28 <sup>2/</sup>        | 8.06                       | 71  | 60     |
|                                 | Naco             | N.R.                                  | 13.05 <sup>2/</sup>       | 7.97                       | N.R.                                      | 55     |
|                                 | Winnifred        | NIL                                   | 8.06                      | 7.42                       | N.R.                                      | 60     |
|                                 | 2                | Brooks                                | NIL                       | 9.37                       | 8.18                                      | 65     |
| Drumheller                      |                  | NIL                                   | 7.66                      | 8.37                       | 67  | 57     |
| Gleichen                        |                  | NIL                                   | 9.01                      | 9.21                       | 66  | 56     |
| Hays                            |                  | NIL                                   | 7.85                      | 7.86                       | 69  | 59     |
| Vauxhall                        |                  | NIL                                   | 8.99                      | 7.87                       | 68  | 57     |
| Raymond                         |                  | NIL                                   | 9.80                      | 9.50                       | 68  | 56     |
| Lethbridge                      |                  | NIL                                   | 11.65                     | 9.77                       | 71  | 57     |
| Strathmore                      |                  | NIL                                   | 7.30 <sup>2/</sup>        | 10.10                      | 64  | 55     |
| Three Hills                     |                  | NIL                                   | 9.84 <sup>2/</sup>        | 10.03                      | 65  | 54     |
| Trochu                          |                  | Trace                                 | 10.66                     | 10.78                      | 68  | 56     |
| 3                               | Vulcan           | NIL                                   | 12.54                     | 9.35                       | 68  | 54     |
|                                 | Calgary          | NIL                                   | 11.50                     | 11.55                      | 66  | 55     |



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- IV -

Precipitation and Temperature Data, Prairie Provinces 1/

| Province and<br>Crop District | Station              | Precipitation                        |                           |                            | Mean Temperature                          |        |
|-------------------------------|----------------------|--------------------------------------|---------------------------|----------------------------|---|--------|
|                               |                      | Week ending<br>8 a.m.<br>Sept.9,1963 | Total<br>since<br>April 1 | Normal<br>since<br>April 1 | Week ending 8 a.m.<br>September 9<br>1963 | Normal |
|                               |                      | - inches -                           |                           |                            | - degrees F. -                            |        |
| <u>ALBERTA</u> (concluded)    |                      |                                      |                           |                            |   |        |
| 3                             | Cardston             | NIL                                  | 12.21                     | 10.43                      | 68  | 55     |
|                               | Pincher Creek        | NIL                                  | 14.25                     | 11.94                      | 68  | 53     |
|                               | Fort MacLeod         | NIL                                  | 12.72                     | 10.51                      | 68  | 59     |
|                               | High River           | NIL                                  | 17.70                     | 12.36                      | 64  | 53     |
|                               | Magrath              | N.R.                                 | 11.22 <sup>2/</sup>       | 10.17                      | N.R.                                      | 58     |
| 4                             | Olds                 | NIL                                  | 12.27                     | 11.98                      | 65  | 53     |
|                               | Alliance             | Trace                                | 16.27                     | 10.49                      | 62  | 53     |
|                               | Camrose              | N.R.                                 | 13.01 <sup>2/</sup>       | 10.00                      | N.R.                                      | 54     |
|                               | Castor               | N.R.                                 | 2.36 <sup>2/</sup>        | 8.84                       | N.R.                                      | 55     |
|                               | Coronation           | NIL                                  | 14.52                     | 8.84                       | 67  | 55     |
|                               | Hughenden            | NIL                                  | 14.88                     | 9.73                       | 63  | 55     |
|                               | Lloydminster         | NIL                                  | 11.93                     | 9.21                       | 64  | 55     |
|                               | Stettler             | NIL                                  | 16.28                     | 11.14                      | 66  | 53     |
|                               | Vegreville           | NIL                                  | 11.18                     | 10.27                      | 64  | 55     |
|                               | Vermilion            | NIL                                  | 11.61                     | 11.21                      | 61  | 53     |
| 5                             | Edmonton             | NIL                                  | 10.22                     | 11.64                      | 65  | 55     |
|                               | Lacombe              | .01                                  | 14.12                     | 12.47                      | 63  | 54     |
|                               | Red Deer             | Trace                                | 11.35                     | 11.49                      | 65  | 53     |
|                               | Rocky Mountain House | Trace                                | 14.63                     | 15.81                      | 63  | 52     |
|                               | Wetaskiwin           | Trace                                | 12.29                     | 11.50                      | 65  | 54     |
| 6                             | Athabasca            | .12                                  | 12.84                     | 10.59                      | 60  | 53     |
|                               | Campsie              | .08                                  | 8.68                      | 12.14                      | 61  | 52     |
|                               | Edson                | .21                                  | 9.30                      | 13.28                      | 61  | 52     |
|                               | Elk Point            | .12                                  | 7.17                      | 9.91                       | 60  | 52     |
|                               | Lac la Biche         | .05                                  | 10.68                     | 10.86                      | 62  | 54     |
|                               | Smith                | .54                                  | 15.56                     | 10.53                      | 60  | 53     |
|                               | Whitecourt           | .07                                  | 11.17                     | 13.86                      | 61  | 52     |
| 7                             | Beaverlodge          | .48                                  | 5.29                      | 9.15                       | 61  | 53     |
|                               | Fairview             | .17                                  | 7.05                      | 9.38                       | 61  | 53     |
|                               | Ft. Vermilion        | .30                                  | 8.54                      | 7.55                       | 54  | 52     |
|                               | Grande Prairie       | .08                                  | 5.00                      | 8.86                       | 63  | 53     |
|                               | High Prairie         | .05                                  | 7.62                      | 10.65                      | 59  | 53     |
|                               | Peace River          | .02                                  | 7.11                      | 8.69                       | 59  | 52     |
|                               | Rycroft              | .29                                  | 7.02                      | 8.77                       | 61  | 53     |
|                               | Wagner               | .13                                  | 13.23                     | 10.47                      | 59  | 53     |
| ALBERTA AVERAGE               |                      | .06                                  | 10.77                     | 10.03                      | 64.0                                      | 54.8   |

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