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## TELEGRAPHIC CROP REPORT - CANADA

This is the fourth of the 1966 series of six telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the eighth 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 The Maritime Provinces have had dry weather since the last report. Haying is well under way in all areas with generally satisfactory yields and quality reported. Grain and potatoes are showing promise. Pastures are still holding up in most districts but rain is needed throughout the Maritimes.

Quebec In most regions of Quebec, temperatures have been above normal in the first half of July. Rather dry weather prevailed south of Montreal. In the regions north of the St. Lawrence, rainy weather promoted growth of all crops. Wind and hail damage are noticeable in widely dispersed areas such as Abitibi, north of Montreal, and in the Eastern Townships. It is estimated that the apple crops south of Montreal will be smaller than expected due to frost damage. Haying is nearly finished south of Montreal. In other regions haying is well under way. In general, all crops are promising good yields except in the Lower St. Lawrence where drought affected meadows and pastures. Strawberry harvesting is finished in most regions with very high yields. The health of animals is very good and milk production is above normal in most regions except south of Quebec.

Ontario The need for rain is rapidly becoming critical in most parts of Ontario. Only a few scattered showers have been received in the counties of Lennox, Leeds, Renfrew and in the Cochrane district. In contrast, Rainy River is suffering from too much rain. Process and vegetable crops suffered damage from last week's thunderstorms in Essex county. Kent county received beneficial rains at the same time. Winter wheat is excellent and if nothing interferes with harvesting, a record yield is anticipated. Hay has been of good quality and yields have been average to above average and harvesting of the first cutting is very near completed. Pasture conditions are generally poor with a few exceptions. If rain is longer delayed many farmers will begin supplementary feeding. Tobacco looks

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good and irrigation is general. Dry beans, soybeans and corn still appear especially good but moisture will be needed soon. Spring grains are heading out and rain is badly needed to fill out the kernels of the late-sown crops. Harvesting of the last strawberry crop is now completed and cherries, peas, wax beans and early potatoes are now being harvested.

Prairie Provinces Crops have made favourable progress during the past week over wide areas of the Prairie Provinces, and yield prospects remain good. The bulk of the crop is now headed. Some improvement is noted in the dry areas of northeastern Alberta and the Peace River, but dry conditions persist in southeastern Saskatchewan and bordering districts of Manitoba. Haying is well advanced with generally good outturns.

#### RUST REPORT FOR THE PRAIRIE PROVINCES

Wheat leaf rust is now present throughout Manitoba and Saskatchewan but the amount is still much less than normally occurs at this time. Much of the wheat crop will probably escape damage but some loss may occur in late fields. Wheat stem rust was found at Winnipeg on July 12 but is still very scarce in western Canada.

British Columbia In the southern half of British Columbia the prolonged period of cool temperatures is slowing down crop maturity and reducing yields. In the Fraser Valley processing peas are being harvested with yields about one-third reduced and the main carrot crop is not sizing as expected. Potatoes, however, are doing well and strawberries are almost finished. Soil moisture conditions are good and pasture growth has been well maintained. In the northern half of the province the lack of adequate summer rains has hampered grain crop development. Lower than average temperatures were also recorded. In the Okanagan, tree fruit prospects continue fair to good, although heavy rains resulted in large crop losses in cherries. Hay crops are about normal.

#### MARITIME PROVINCES

In Prince Edward Island the hay harvest is well advanced with ideal weather conditions prevailing. The quality of the crop is very good and yields are reported to be average or slightly better than average. With the generally favourable weather conditions so far, all crops are doing well. Grain is coming into head and appears thick and showing good colour. Early-planted potatoes are very promising and all crops are showing rapid growth. Canning pea growers are now harvesting their crop with satisfactory yields reported. Strawberry production is about normal. Root crops are variable with root maggots causing some concern. Also persistent winds have damaged some crops during the past week. Pastures are still good but they will need rain soon as will all crops. Only 0.81 inch of rain was recorded at Charlottetown up to July 19.

Cape Breton Island of Nova Scotia reports an excellent hay crop with harvesting in full swing. Cereal fields also look good and pastures are in excellent condition with plenty of moisture for adequate growth. The strawberry crop is good and growers have just started picking. At Antigonish haying is almost completed with excellent weather having prevailed for the past two weeks. However, the soil is drying out and a good rain is needed. Nevertheless there is still plenty of pasture so far and grain crops are doing well. Strawberry growers report slightly lower yields but high quality fruit and good prices are offsetting factors.

The Experimental Farm at Amherst reports almost perfect weather for haying and haymaking is nearing completion in central Nova Scotia. The early-cut legumes will provide a second crop if rainfall is normal. In the Truro district a good stand of hay is being harvested in top condition with about three-quarters of the haying now completed. Weather has been excellent for haymaking during the past two weeks. Grains and potatoes are making good growth and pastures are about average but are beginning to dry out and rain is needed. Above average strawberry yields are reported with picking nearly completed. Blueberries are very promising but moisture is required now for fruit development.

Although the district needs rain all crops in the Annapolis Valley are generally doing well. The weather was dry during the first two weeks of July and farmers with irrigation equipment are making full use of it on the strawberry and potato crops. About 85 per cent of haymaking has been finished with above average yields reported. Pastures are fair to good. Growers have started harvesting processing peas with the crop maturing rapidly. Winter cereals are excellent and winter barley is being harvested this week. The winter wheat crop will be cut towards the end of the month. Spring-sown cereals are also doing well.

Reports from the Fredericton district in New Brunswick indicate dry weather for the past two weeks broken only by scattered showers. Rain is needed. However, fertilized hay land produced a good first crop and fertilized pastures are holding up well. Farmers have finished about one-half of their haymaking. Grain crops are somewhat better than average and the potato crop is shaping up well with new potatoes expected next week. Irrigated strawberries yielded an excellent crop but elsewhere production was below average. Vegetable crops are about average in condition with most early vegetables now on the market. While crops are generally promising rain is needed soon to avoid deterioration. In the Perth district rains during the past two weeks promoted growth of all crops. Potatoes are in blossom and growers are hilling the crop for the last time. Haying is 50 per cent completed with good yields and quality reported. The grain crop is headed with promising yields expected.

#### QUEBEC

In the St. Jean area above normal temperatures and dry weather prevailed for the past two weeks. Due to low rainfall drought is becoming critical for all crops and pastures. Haying is nearly completed and yields are excellent. The harvesting of canning peas is well under way, with 40 per cent completed. The apple crop is well below average this year because of frost and hail damage. In the L'Assomption area north of Montréal, despite very low rainfall, crops, cereals and hay are very promising. Recent rainfalls will be of benefit to all crops.

At La Pocatière 60 per cent of the haying is finished, with yields slightly lower than normal. The quality of the hay is very good. Most cereals are heading and promise good crops. Potatoes, root crops and corn look good. Honey and apple crops are normal. Recent rains improved pasture growth but retarded haying.



At Normandin in the Lake St. John region, the first half of July was quite dry with only 1.23 inches of well distributed rain. Haying started in time and yields are very good. Due to good weather, an excellent quality of hay is being harvested. Pastures are in excellent condition. Cereals, potatoes and garden crops are doing well. Milk production is at its peak, and the blueberry crop is very promising.

#### ONTARIO

In certain areas of Essex County of southern Ontario heavy rain and hail caused damage to fruit, early vegetables and tobacco. Wheat harvest is under way and yields are very good, however, sprouting may be a problem. The yields and quality of canning peas are fair. Potato harvest is under way with average yields and some damage to the crop being reported. Corn and soybeans are making fair growth. Processing tomatoes were damaged to some degree as a result of flooding. Fall wheat is being harvested on Pelee Island and early fields indicate average yields between 30 and 35 bushels per acre. Soybeans and corn suffered damage by a heavy rain with some 6 inches falling in ten hours. Low-lying fields were seriously affected from the excess moisture although crops on higher land are making fair growth.

In Kent County the harvesting of wheat has started and yields and quality are excellent. Spring grain is very good and corn has made excellent growth during the past two weeks and is now normal. Detasselling of seed corn has begun. White beans have made excellent growth and very good yields are in prospect. Sugar beet prospects are also above average. Some increase in soybean acreage has been reported and the crop on the whole looks very good. Burley and black tobacco have made good growth to date. Harvesting of a good crop of processing peas is nearing completion. Moisture conditions in most of the county are near ideal, however, some areas in the east of the county are now in need of rain. The insect laboratory at Chatham reports no serious insect damage, although it has been hot and dry since early July with only light rainfall being received. Crops on heavy soils are behind normal and rain is required. Early potatoes are now being harvested.

Harvesting of the bumper hay crop in Middlesex County is essentially completed. Winter wheat is ripening rapidly and rain is needed for all spring crops.

In Norfolk County all crops need rain. Some areas have received no precipitation for five weeks. The wheat harvest has started with good yields being reported. Barley and oats are ripening quickly with light crops in prospect. Irrigation of tobacco is general and corn is suffering from drought. Some pastures are dried up but second growth of alfalfa is good.

In Lincoln County rain is badly needed especially for the grain and pasture crops at the top of the escarpment. Only half an inch of rain was received this past month. Fruit crops are generally in good condition, although recent very hot weather caused some chlorosis on grapes, and wilting of some sweet cherry trees. The cherry harvest is at a peak. Red mites have come up fast on peach, plum, apple and pear trees causing extensive leaf damage.

In Simcoe County of Western Ontario all crops require rain very badly. The haying operation will be completed this week and harvesting of wheat is expected to start in one week's time. Spring cereals have headed out but are short due to insufficient moisture. Corn has grown well up to the present but has now wilted and pastures are dry. Potatoes are in need of moisture as the last good rain fell on June 15.

In Bruce County continuing dry weather is reducing yields particularly in the central and northern parts. Less than two inches of precipitation have been received since March. Pastures are drying up and grain is heading on very short straw. Crops in the southern part of the county are almost normal for this date. The grain harvest will start by August 1.

In Waterloo County the harvesting of hay is nearly completed with both quality and quantity rated as good. Wheat has ripened very quickly during the past week and some will be cut in a week or so. Corn and spring grains have been slow in growth due to extreme dryness. A good rain is urgently needed.

Dry, hot weather persists in Halton County with almost five weeks gone by without rain. Late-seeded corn and grain are in poor condition. Leaves are withering and premature ripening of oats and barley is taking place. Winter wheat is above average and excellent yields of hay have been taken off. Pastures are drying up and reduced yields of fruit and vegetables have resulted from the drought.

In some sections of Durham County of central Ontario no rain has been received for over a month. The whole county is now in need of rain. Pastures are poor and spring-sown grains will be considerably reduced. The winter wheat harvest will commence in about a week and spring barley in about ten days.

In Peterborough County haying has been completed and yields are well above average. Winter wheat and early-seeded spring grain yield prospects are good. Harvesting will begin within one week. Late-sown grains, pastures and corn require rain as soil moisture reserves are very low.

In Leeds County of eastern Ontario an above average high quality hay crop has been taken off. Fall wheat is now ripening fast and the spring crops are developing favourably. All crops look promising but more rain is needed.

In Carleton County a good hay harvest is nearly completed and hardly any of the crop was damaged by rain. Spring grain continues to make good growth, however, some fields are shorter than normal. The very dry, hot weather of the past month has affected the corn crop as many fields are at a standstill with leaves closely curled. Pastures are drying up severely and aftermath from hay fields is developing slowly. Moisture is definitely needed for the corn, pasture and second growth of hay.

In Renfrew County all crops benefited from recent showers. Haying is some 80 per cent completed. Spring grain varies from excellent to poor in relation to prospects. The overall crop conditions are considered average although ensilage corn is rated above average.

In the Thunder Bay district of northern Ontario temperatures have been much above normal and the moisture supply below average for this time of year. Crop growth has been held back slightly due to shortages of moisture. Haying is well advanced with yields being two-thirds to three-quarters of normal, with the quality ranging from fair to good. Pastures are now drying up but milk flow continues to be normal.

### MANITOBA

Crops are good in Manitoba. Early cereals have headed and late cereals are in the shot blade or heading stage. Flax, rapeseed, mustard and peas are blooming and early flax is bolting. There is widespread chlorosis in late flax in the Red River Valley. Approximately 4,000 acres of crops have been destroyed at The Pas by hail and flooding last week. Rain is needed urgently from Melita to Shoal Lake in the western part of the province. The potato crop is good at Carberry but there have been heavy losses due to flooding in the Pembina triangle and at Steinbach. Sugar beet thinning has been completed and sunflowers and corn are two to three feet in height. Haying is 50 per cent completed, with yields above average, but of poorer quality in the eastern half of the province.

Crop prospects are generally good at Altona in southeastern Manitoba, despite the fact that 10 to 15 per cent of the crop potential has been lost due to excessive rain. However, the increased yields on lighter and higher lands will possibly make up for the losses. Sunflowers are in the early bloom stage and cereals have headed. Beet thinning has been completed, and peas, rape, and all late-seeded flax are in bloom. At Morden late flax, wheat and oats have not headed but are progressing well. Moisture reserves are adequate and sunflowers and corn are about average with beets below average. Canning crops and potatoes have been damaged up to 40 per cent by heavy rainfall. The hay crop is average. The cannery is in full operation doing peas.

In the Pilot Mound district crops are looking generally excellent. Early-seeded crops are filling well and rape, mustard and flax are in the advanced flowering stage. Haying operations are in full swing with a good crop being taken off. There appears to be a higher incidence of stored grain insect infestation than normal. There is little insect damage to special crops in this area. Crop conditions are also good at Somerset, with most cereals heading and flax coming into the bloom stage. The haying weather has been very good and the hay of good quality. Some parts of the area could use rain to complete filling but to date crops have not suffered. In the southwest part of the province at Melita there was a trace of precipitation last week. Conditions are dry and hot and moisture is required immediately to prevent serious yield reduction. The crop growth is heavy and cereals are 75 per cent headed. Early flax is blooming and starting to boll. Haying is 50 per cent completed. Leaf rust damage is evident on Ramsay durum, but light on other crops.

In the Winnipeg area at Portage la Prairie, crop prospects continue to be excellent. However, more moisture would be welcome. The first hay crop has been completed with average yields. There is a low incidence of rust. Vegetable crops are progressing quite satisfactorily with average or above average yields indicated. The pea crop looks promising and could yield above average.



The Experimental Farm at Brandon reports that the lack of rain and high temperatures of the past week have further depleted moisture reserves. Rain will be needed soon if serious deterioration of crops, especially those on light land, is to be prevented. Growth on pastures is at a standstill. Special crops, including corn, sunflower and rapeseed are looking good. Haying is well advanced with good yields of high quality. Farther west at Virden the lack of moisture is beginning to show in many fields. A good inch of rain is urgently needed to maintain maximum growth. There has not been much disease or insect damage on field crops to date. Tame hay crops are good with alfalfa being particularly good.

In the Interlake area at Arborg, crops are progressing well, and most of the wheat and barley is headed. Registered timothy seed fields are being prepared for harvest with estimated yields varying from 250 to 400 lbs. per acre. Hail was reported last week from Fisher Branch and Hodgson with 100 per cent losses in some spots.

At Neepawa in west-central Manitoba the weather has been mostly hot and dry, enabling farmers to take off a very good hay stand. Early-seeded crops are headed and are looking good, but rain will be required for filling. In the Russell area wheat and barley are in head and looking very good. Moisture supplies are adequate and haying is progressing. The general position of all crops is very good.

In northern Manitoba at Swan River there has been excessive moisture, crops are generally good, but haying weather has been poor. Hail and wind damage occurred at Benito in a strip three-quarters of a mile wide. The damage was severe to crops, buildings, trees, power and telephone lines.

The unweighted average precipitation for the province since April 1 has been 9 per cent above normal as compared with 13 per cent above normal a week ago, 14 per cent above normal two weeks ago, and 16 per cent above normal for the same time a year ago. Mean temperature for the week ending July 18 was 3.6 degrees above normal, as compared with 3.6 degrees above normal a week ago, 7.5 degrees above normal two weeks ago, and in contrast to 2.7 degrees below normal for the week ending July 19, 1965.

#### SASKATCHEWAN

With recent higher temperatures, crops are making excellent growth in Saskatchewan. Moisture conditions are good except in the southeastern districts where rain is needed. Scattered hail losses have been reported throughout the province. Haying operations are in full swing and yield prospects are excellent. Livestock and pastures are in good condition.

In the southeast, at Fillmore, crop conditions remain good but rainfall is urgently needed to maintain the present stands and promote continued growth. Nearly all cereal crops have now headed. Haying is being done under ideal weather conditions and the quality is excellent. Yields are fairly good. Some farmers are cutting large wild oat areas from their fields for hay. Gardens are good.

In the south-central part at Gravelbourg crops are standing up well despite the hot, dry weather. Most fields have headed and the straw will be of medium length. Some stubble crops are showing deterioration but most summerfallow crops are still in good condition. However, more rain would be welcome. At Eastend soil moisture supplies are good and the hot weather is bringing crops along quickly. Most fields are headed and yield prospects are very good. Haying operations are progressing rapidly. There has been negligible hail and insect damage to date.

The Experimental Farm at Swift Current reports that wheat crops are all headed with early-seeded ones flowering. Stands are heavy. The continued hot weather is forcing growth and although moisture reserves are holding up well, more rain will be needed to fill the stands. The fall rye harvest is just starting and haying is progressing rapidly. Pastures are green and growth is good. From Leader our correspondent reports that growing conditions are ideal and all crops are the best ever seen in this district. Some soil moisture remains as early stands begin to form kernels.

At Togo in the east-central part of the province crops are developing well and moisture reserves are good. Some weeds are showing. Given further good weather, better than average crops should develop. Pastures are good but haying is slow due to the wet weather, although yields are better than anticipated. All crops are also very good at Sturgis although a hail and wind storm during the past week caused some wind damage. The hail was light and no apparent damage is evident. Haying has been held up due to constant showers during the past week. Stands are very good of both wild and tame hay and pasture growth is plentiful. Rainfall to date has totalled some 6 inches which has been sufficient for all crops.

The recent hot weather has promoted rapid growth in the Drake district of central Saskatchewan but additional rain will soon be required to bring the heavy stands to maturity. Early-sown grain is headed and rye fields look good. Haying operations have been interrupted by frequent scattered showers but progress in general has been favourable. Hay supplies will be sufficient. There has been light hail but no insect damage in the district. Cattle and pastures are good. At Craik the extremely hot, dry weather has caused some deterioration of grain crops which are sown on light land and rain is needed immediately to stop further damage. The rye crop is good and cutting should get under way in two weeks. The flax crop is fair. The hay crop is lighter than anticipated but pastures are good.

At Saskatoon crops advanced rapidly during the past week due to a combination of hot weather and substantial showers. Seventy-five per cent of the wheat has headed and stands are heavy. Additional moisture will be required to fill the heads. Fall rye is well filled and starting to ripen with good yields expected. Haying operations are in full swing.

At Rosetown in west-central Saskatchewan a half an inch of rain and warm weather during the past week have brought crops along rapidly. About 80 per cent of the wheat fields is in head. More rain will be needed to fill the heavy stands. Flax fields are in bloom and most farmers are working the summerfallows. Given favourable conditions from now on bumper crops are in the making for this district. The Experimental Farm at Scott reports that haying is well under way with good to excellent crops of grasses and legumes. Cereal crops and rapeseed are progressing favourably with oats and barley generally headed. Wheat varies



from heading to flowering and rape fields are towards the end of the flowering stage. There has been no evidence of moisture deficiency except on very light soils and with 1.13 inches of rain during the past week, moisture conditions are good. However, high temperatures and wind are contributing to rapid moisture loss so that more rain will be needed within a week. There was severe hail damage in small local areas during the past week. Generally, due to an earlier moisture deficiency, crops in the northwest of the province are heading on very short straw.

The Experimental Farm at Melfort in the northeast part of Saskatchewan indicates that the hot weather accompanied by numerous thunder showers forced the growth of all crops during the past week. The present moisture supply is adequate for normal crop development in the near future. There have been some reports of hail but damage was confined to small areas. There is little evidence of disease and only a few reports of insect infestations. Pastures and livestock are in good condition.

The Saskatchewan Municipal Hail Insurance Association reports the following major hail storms: July 11, Senlac, Unity, Arelee, Asquith, Saskatoon, North Battleford, Richard, Carrot River; July 14, Cabri, Edam, Meota, North Battleford; July 15, Unity, Wilkie, Biggar, Cudworth, McKague. Also a number of small storms in other areas. The Canadian Hail Underwriters Association reports hail on July 11 and 14 from Meota to Hafford; July 11, Carrot River area; July 15, Adamac to Biggar to Perdue, Prudhomme, Cudworth area, McKague to Porcupine Plain; July 16, Kylemore area, Grayson area; July 17, Hinchliffe area.

The unweighted average precipitation for the province since April 1 has been normal compared with 2 per cent below normal a week ago, normal two weeks ago and in contrast to 34 per cent above normal a year ago. Mean temperatures for the week ending July 18 was 2.1 degrees above normal compared with 3.0 degrees above normal a week ago, 3.6 degrees above normal two weeks ago, and 1.4 degrees below normal for the week ending July 19, 1965.

#### ALBERTA

Although crop prospects and moisture conditions are generally good in the southern part of the province, rain will be needed in order to ensure high yields. By the end of the week irrigation of special crops will begin. In the east-central and Peace River region, although rain has been received at various times during the past few weeks, moisture conditions continue to be only fair, and poor yields can be expected from the early-sown crops. Prospects for the later-sown crops are rather better. Harvesting of canning peas is in full swing in the south and yields are reported to be good. Haying is from 80 to 95 per cent completed in the Taber and Lethbridge areas, 50 per cent finished around Medicine Hat, and 25 to 50 per cent completed in most other regions of the province with the exceptions of the Cardston, Claresholm and Calgary areas where only relatively small amounts have been harvested. Except for those areas where moisture has been inadequate, little crop damage has been reported.

In the Manyberries area, since the last report, .79 inch of rain has fallen and conditions are good. High temperatures over the last week have resulted in rapid growth with fall rye and early barley already ripening. Haying is almost completed and pastures are in very good condition. There have been no reports of cutworm, wireworm nor any other damage to the crops. To the north around Medicine Hat swathing of rye has begun. Both wheat and oats are two feet high or more and together with barley, all are in the soft dough stage. Hay and pasture conditions are good but moisture is only fair and as the weather has been very hot, rain will soon be needed.

All crops are progressing well around Lethbridge while the hot, dry weather has encouraged growth and permitted the harvesting of an excellent hay crop. For the first time this year, irrigation is becoming general. Warm weather and ideal conditions prevail in the Cardston region where all crops, including hay and pasture, are reported as being good with no damage of any kind occurring. Crops are about ten days behind normal in the Claresholm district. About 70 per cent of the grain is headed with good heads and heavy stands. Providing that conditions remain favourable, this district should experience a record crop. Haying is being carried out with good yields in prospect. Pastures are good. No hail damage has been experienced in this locality.

Welcome showers fell last week over most of the district around Brooks. Crops are generally in very good condition on both dry and irrigated land. Peas and cereals are filling out well and some barley should be ready to harvest in about three weeks' time. Farm gardens are good and haying is in full swing. The potato fields in this area are now in bloom. Pastures look good and livestock are in fine condition.

Since the last report about one inch of rain was received around Hanna. Crops look good with wheat up to 18 inches high and completely headed with medium-sized heads. Haying has become general. Around Calgary, moisture conditions remain good and crops are making favourable progress. Wheat, oats and barley stand about 20 inches high and are rapidly heading. In general crop prospects are very good. From two to three inches of rain fell last week in the Sedgewick district. The warm weather and good growing conditions have brought crops ahead rapidly and wheat which is from 12 to 17 inches high, is completely headed out. Rapeseed and mustard are presently in bloom. Farther north at Vermilion three quarters of an inch of rain which fell recently has improved crop conditions. Most of the wheat is now in the shot blade stage with about 40 per cent of the crop headed out. However, the heads are small and a possible yield of about 20 bushels per acre is predicted. Coarse grain crops and rapeseed will be about 25 per cent below normal.

Crops are looking very good around Stettler where grain is all headed with very large heads. Due to the heavy growth, moisture will soon be needed. Conditions have been very good for haying which is progressing rapidly. Moisture conditions are from good to excellent in the Stony Plain region. Cereals have shown good growth with some heading in both early barley and wheat. Haying has been rather slow due to the daily occurrence of mid-afternoon showers. Pastures are in fair to good condition. Hail damage is reported from some localities.

Warm weather over the past ten days in the Red Deer region has boosted crops tremendously. Seventy-five per cent of the rapeseed crop is in bloom and the prospects are good. Although the yield of hay, which is about 80 per cent harvested, is low, the quality is above average. Some hail is reported from the southeastern part of the district. Two weeks of dry weather around Lacombe have allowed the first-cut hay crop to be 75 per cent completed with yields of good quality feed averaging about a ton per acre. The heavy stands of cereals are heading well but immediate rain is required to fill the heads and to promote a second growth of hay. The rapeseed crop is now in full bloom. The recent fine weather has enabled haying in the Eckville area to be about 50 per cent completed. In fact, if present conditions continue, it should all be finished by the 26th of this month. Wheat, oats and barley are about 70 per cent headed with the remainder being in the shot blade stage. The summerfallows in this area are in good condition.



To the north of Bonnyville general rains fell over the last week and some hail damage is reported in this area. Although this recent supply of moisture has helped pastures, and will improve yields, the earlier drought affected the whole area. Some crops are still dry and will yield only poorly. To the west around Colinton moisture conditions are good. Wheat is about 24 inches high, barley 40 inches and rapeseed and oats 20 inches. The cereal crops look excellent to date although some rapeseed has been ploughed under because of the drought. Although forage crops are reported as being good, they will not be as heavy as last year. Haying is now getting under way.

Widespread rains and warm weather have greatly improved crop prospects around Beaverlodge in the Peace River district. Haying is now in progress with the prospect of a fair to good yield. Scattered rain which fell throughout the Berwyn area, came too late for maximum benefit. Moisture supplies are now adequate and all fields have second growth due to the germination of the remaining seed. In fact, a considerable amount of rapeseed did not germinate until July 2. Weeds also appeared too late to allow spraying to be carried out. The pastures are now recovering from the earlier dry weather but the hay crop will be extremely light. Very little insect damage is reported from this district.

The Alberta Hail Insurance Board reports a storm on July 13 at Priddis, Midnapore, High River and Fort MacLeod. On the following day, another storm occurred with medium to severe damage from Fort MacLeod through Barons, Picture Butte, Vauxhall to Brooks. Spotty storms occurred on July 15 with medium damage at Valhalla, Wildwood, Radway, Minburn and Rivercourse. On July 16 a severe storm was experienced in a path about six miles wide from Swalwell through Acme, Carbon, Morrin, Delia, Hanna to Bodo. Spotty storms causing medium damage, also occurred at Brownvale, Falher and Gibbons. The Canadian Hail Underwriters Association reports that storms occurred at Brooks on July 14 and in the Lethbridge and Andrew areas on July 15.

The unweighted average precipitation for the province since April 1 has been 2 per cent below normal, compared with 4 per cent below normal a week ago, unchanged from normal two weeks ago and 35 per cent above normal a year ago. Mean temperature for the week ending July 18, 1966 was 0.5 degree above normal compared with 1.5 degrees below normal a week ago, 1.1 degrees below normal two weeks ago and 1.4 degrees below normal for the week ending July 19, 1965.

#### BRITISH COLUMBIA

Reports from Victoria indicate cloudy weather with showers on Vancouver Island for the past few weeks. As a result, cut hay has spoiled and the standing crop is badly lodged. Strawberries reached their peak the end of June and picking was completed by July 15 with the latter fruit going for jam. Loganberries are now being harvested and crop prospects are good. A great deal of cherry splitting has occurred but other tree fruits are developing satisfactorily. Cool season vegetables are normal but corn and tomato crops are expected to be light.

At Agassiz in the Lower Fraser Valley, July rainfall of 2.7 inches to date was well above average while temperatures were slightly below average. Growers have almost completed picking the strawberry crop with overall yields good in spite of extensive fruit rot. Raspberry picking is in full swing with high yields being obtained. However, the cool, wet weather has resulted in a high instance of fruit rot. Pea harvesting is general with yields fair. Corn is improving.



In the Okanagan Valley cherry picking is nearly completed with losses from rain cracking being about 30 per cent in the northern part of the district. Shipping of apricots and early peaches is starting. Apples, pears, and peaches are sizing well. Field tomatoes and cucumbers are moving to market in volume. As a result of the recent rain, grains, pastures and hay crops have improved. At Creston in the Kootenays the cherry crop is later and lighter than average as a result of late spring frosts which prevented a set of fruit on the lower portion of the trees. The first cutting of a heavy crop of alfalfa has been completed. Cereals and seed peas are making excellent growth under favourable moisture conditions and recent warm weather.

At Kamloops the second-cut hay is now being harvested in many locations. Potatoes look promising but silage corn development is slow because of the unseasonably cold, wet weather. Ranges are in good condition. At Prince George farmers are putting up silage. Crop stands are good to excellent with grass legume mixtures yielding as high as 15 tons per acre and an overall average of 8 tons being anticipated. Haying is being delayed by continuing rain. Fertilized potatoes are doing well and early-seeded Olli barley is headed and Ajax oats are heading.

The Peace River Block reports good rains, about 2.5 inches in some areas. The accompanying very warm temperatures stimulated growth tremendously. However, it is anticipated that yields will be down 30 per cent for cereals and 40 to 50 per cent for forage seeds.

Precipitation and Temperature Data, Prairie Provinces(1)

| Province and<br>crop district | Station             | Precipitation           |                  |                  | Mean tem-<br>perature |        |
|-------------------------------|---------------------|-------------------------|------------------|------------------|-----------------------|--------|
|                               |                     | Week ending             | Total            | Normal           | week ending           |        |
|                               |                     | 8 a.m.<br>July 18, 1966 | since<br>April 1 | since<br>April 1 | 8 a.m.<br>July 18     |        |
|                               |                     |                         | inches           |                  | 1966                  | Normal |
| <u>MANITOBA</u>               |                     |                         |                  |                  |                       |        |
| 1                             | Boissevain          | .01                     | 7.23             | 8.17             | 70                    | 67     |
|                               | Pierson             | .13                     | 5.94             | 7.69             | 72                    | 68     |
|                               | Waskada             | nil                     | 5.07             | 8.10             | 74                    | 69     |
| 2                             | Baldur              | .08                     | 9.87             | 8.23             | 71                    | 69     |
|                               | Pilot Mound         | .04                     | 8.90             | 7.98             | 71                    | 67     |
| 3                             | Altona              | nil                     | 10.33            | 7.35             | 73                    | 70     |
|                               | Deerwood            | .01                     | 9.46             | 7.93             | 74                    | 71     |
|                               | Graysville          | trace                   | 11.53            | 7.45             | 76                    | 69     |
|                               | Gretna              | nil                     | 9.03             | 7.68             | 73                    | 69     |
|                               | Morden              | trace                   | 9.26             | 8.00             | 74                    | 70     |
|                               | Morris              | nil                     | 11.14            | 7.49             | 74                    | 70     |
|                               | Portage la Prairie  | .10                     | 7.87             | 9.21             | 74                    | 70     |
|                               | Roland              | .02                     | 11.80            | 7.78             | 73                    | 70     |
| 4                             | Stonewall           | .01                     | 8.60             | 8.25             | 71                    | 68     |
| 5                             | Emerson             | trace                   | 11.44            | 7.64             | 74                    | 69     |
|                               | Steinbach           | .37                     | 10.95            | 7.83             | 72                    | 68     |
|                               | Winnipeg            | .23                     | 7.93             | 7.84             | 72                    | 69     |
|                               | Starbuck            | .26                     | 10.60            | 7.83             | 72                    | 69     |
| 6                             | Seven Sisters Falls | nil                     | 7.58             | 7.80             | 72                    | 69     |
|                               | Great Falls         | N.R.                    | 6.04(2)          | 6.02             | N.R.                  | 69     |
|                               | Sprague             | trace                   | 11.67            | 8.25             | 72                    | 66     |
| 7                             | Rivers              | trace                   | 4.78             | 8.26             | 73                    | 67     |
|                               | Virden              | trace                   | 5.94             | 7.73             | 74                    | 68     |
| 8                             | Brandon             | trace                   | 6.14             | 8.29             | 72                    | 68     |
|                               | Cypress River       | .06                     | 8.60             | 8.01             | 68                    | 69     |
| 9                             | Gladstone           | .10                     | 6.85             | 8.29             | N.R.                  | 68     |
| 10                            | Birtle              | .54                     | 8.18             | 8.08             | 68                    | 66     |
|                               | Rosburn             | .12                     | 7.01             | 7.51             | 70                    | 65     |
|                               | Russell             | .30                     | 7.62             | 6.69             | 69                    | 66     |
| 11                            | Dauphin             | .13                     | 6.80             | 8.18             | 69                    | 68     |
| 12                            | Arborg              | trace                   | 8.28             | 7.86             | 70                    | 67     |
|                               | Gimli               | .03                     | 7.06             | 7.94             | 72                    | 68     |
|                               | Steep Rock          | N.R.                    | 6.45(2)          | 7.37             | N.R.                  | 66     |
| 13                            | Swan River          | .63                     | 7.44             | 7.44             | 72                    | 65     |
|                               | The Pas             | 1.93                    | 10.18            | 6.44             | 67                    | 66     |
| 14                            | Grass River         | .01                     | 6.76             | 8.26             | 69                    | 67     |
| MANITOBA AVERAGE              |                     | .15                     | 8.47             | 7.80             | 71.7                  | 68.1   |

Precipitation and Temperature Data, Prairie Provinces(1)

| Province and<br>crop district | Station       | Precipitation           |                  |                  | Mean tem-<br>perature |        |
|-------------------------------|---------------|-------------------------|------------------|------------------|-----------------------|--------|
|                               |               | Week ending             | Total            | Normal           | week ending           |        |
|                               |               | 8 a.m.<br>July 18, 1966 | since<br>April 1 | since<br>April 1 | 8 a.m.<br>July 18     |        |
|                               |               |                         | inches           |                  | 1966                  | Normal |
| SASKATCHEWAN                  |               |                         |                  |                  |                       |        |
| 1A                            | Carlyle       | .04                     | 5.02             | 7.13             | 71                    | 67     |
|                               | Estevan       | .53                     | 5.04             | 7.39             | 72                    | 68     |
|                               | Oxbow         | .11                     | 5.01(2)          | 6.86             | 71                    | 66     |
|                               | Willmar       | .13                     | 5.37             | 7.77             | N.R.                  | N.R.   |
| 1B                            | Broadview     | .14                     | 4.88             | 7.96             | 69                    | 66     |
|                               | Moosomin      | nil                     | 4.62             | 8.05             | 70                    | 67     |
| 2A                            | Yellow Grass  | .12                     | 3.58             | 7.09             | 72                    | 67     |
|                               | Weyburn       | .24                     | 3.80             | 7.00             | 73                    | 66     |
|                               | Midale        | .32                     | 3.89             | 6.89             | 72                    | 68     |
| 2B                            | Moose Jaw     | .24                     | 5.40             | 6.70             | 71                    | 68     |
|                               | Regina        | .03                     | 6.96             | 6.99             | 70                    | 66     |
|                               | Francis       | .02                     | 3.50             | 6.56             | 69                    | 66     |
|                               | Qu'Appelle    | .08                     | 5.78             | 7.42             | 70                    | 65     |
|                               | Indian Head   | .06                     | 6.81             | 6.79             | 69                    | 66     |
| 3AS                           | Ormiston      | .37                     | 4.20             | 7.37             | 73                    | 67     |
|                               | Cardross      | .68                     | 5.85             | 7.23             | 69                    | 67     |
|                               | Ceylon        | .51                     | 4.96             | 7.28             | 67                    | 66     |
| 3AN                           | Chaplin       | .83                     | 6.55             | 6.27             | 70                    | 68     |
|                               | Gravelbourg   | .22                     | 5.21             | 6.07             | 71                    | 67     |
| 3BS                           | Shaunavon     | .71                     | 8.32             | 6.32             | 67                    | 66     |
|                               | Pambrun       | .33                     | 6.49             | 6.84             | 69                    | 67     |
|                               | Climax        | N.R.                    | 4.21(2)          | 5.72             | N.R.                  | N.R.   |
|                               | Aneroid       | .59                     | 6.77             | 5.99             | 70                    | 67     |
|                               | Instow        | .56                     | 7.31             | 6.52             | 67                    | 66     |
| 3BN                           | Swift Current | .22                     | 8.22             | 6.92             | 69                    | 67     |
|                               | Pennant       | .35                     | 7.44             | 6.51             | 69                    | 68     |
|                               | Hodgeville    | .31                     | 5.49             | 6.72             | 68                    | 67     |
|                               | Houghton      | .64                     | 10.11            | 5.73             | 68                    | 68     |
| 4A                            | Maple Creek   | .77                     | 7.43             | 5.92             | 70                    | 68     |
|                               | Consul        | .95                     | 5.71             | 4.96             | 67                    | 66     |
| 4B                            | Abbey         | N.R.                    | 6.88(2)          | 5.99             | N.R.                  | 67     |
|                               | Leader        | .42                     | 9.55             | 5.59             | 68                    | 68     |
| 5A                            | Cupar         | .78                     | 9.18             | 6.71             | 69                    | 67     |
|                               | Balcarres     | .54                     | 4.99(2)          | 7.29             | N.R.                  | N.R.   |
|                               | Lipton        | .10                     | 6.26             | 7.16             | 69                    | 66     |
|                               | Melville      | .54                     | 5.27             | 7.42             | 69                    | 65     |
|                               | Yorkton       | .03                     | 6.62             | 6.96             | 69                    | 65     |
|                               | Bangor        | N.R.                    | 4.21(2)          | 7.64             | N.R.                  | 65     |
|                               | Wynyard       | .03                     | 6.24             | 6.59             | 68                    | 65     |
| 5B                            | Foam Lake     | .09                     | 6.36             | 6.80             | 68                    | 65     |
|                               | Kuroki        | 1.06                    | 7.28             | 7.12             | 65                    | 65     |
|                               | Lintlaw       | .80                     | 7.00             | 7.33             | 66                    | 63     |
|                               | Kamsack       | .18                     | 6.41             | 6.51             | 68                    | 65     |



Precipitation and Temperature Data, Prairie Provinces(1)

| Province and<br>crop district   | Station          | Precipitation           |                  |                  | Mean tem-<br>perature<br>week ending |        |
|---------------------------------|------------------|-------------------------|------------------|------------------|--------------------------------------|--------|
|                                 |                  | Week ending             | Total            | Normal           | 8 a.m.                               |        |
|                                 |                  | 8 a.m.<br>July 18, 1966 | since<br>April 1 | since<br>April 1 | July 18                              |        |
|                                 |                  |                         | inches           |                  | 1966                                 | Normal |
| <u>SASKATCHEWAN</u> - Concluded |                  |                         |                  |                  |                                      |        |
| 6A                              | Davidson         | .01                     | 7.35             | 6.80             | 68                                   | 66     |
|                                 | Imperial         | N.R.                    | 3.81(2)          | 6.71             | N.R.                                 | 66     |
|                                 | Strasbourg       | trace                   | 7.52             | 7.31             | 69                                   | 65     |
|                                 | Watrous          | .48                     | 10.18            | 6.30             | 67                                   | 66     |
| 6B                              | Harris           | .35                     | 7.16             | 5.73             | 68                                   | 67     |
|                                 | Outlook          | .45                     | 6.41             | 5.60             | 69                                   | 68     |
|                                 | Rosthern         | .29                     | 6.39             | 5.91             | 64                                   | 67     |
|                                 | Saskatoon        | .38                     | 7.98             | 5.45             | 67                                   | 67     |
|                                 | Elbow            | .09                     | 5.13             | 6.63             | 68                                   | 66     |
|                                 | Tugaske          | .09                     | 6.80             | 7.06             | 70                                   | 66     |
|                                 | Dundurn          | .60                     | 7.16             | 5.71             | 73                                   | 67     |
| 7A                              | Alsask           | .68                     | 6.29             | 5.11             | 70                                   | 67     |
|                                 | Kindersley       | .81                     | 6.15             | 4.91             | 68                                   | 67     |
|                                 | Rosetown         | .73                     | 8.25             | 5.94             | 66                                   | 67     |
| 7B                              | Macklin          | .67                     | 6.17             | 5.56             | 66                                   | 66     |
|                                 | Denzil           | .52                     | 6.48             | 5.69             | 67                                   | 65     |
|                                 | Scott            | 1.12                    | 5.56             | 5.87             | 65                                   | 64     |
|                                 | Biggar           | 1.30                    | 9.96             | 5.82             | 66                                   | 67     |
| 8A                              | Hudson Bay       | 2.63                    | 9.60             | 7.03             | 66                                   | 64     |
|                                 | Prairie River    | 1.48                    | 7.51             | 7.43             | 65                                   | 64     |
| 8B                              | Humboldt         | .15                     | 8.42             | 6.03             | 65                                   | 65     |
|                                 | Melfort          | 1.25                    | 7.78             | 6.52             | 64                                   | 65     |
| 9A                              | North Battleford | .66                     | 5.74             | 5.64             | 67                                   | 66     |
|                                 | Victoire         | 1.02                    | 4.76             | 6.24             | 64                                   | 62     |
|                                 | Prince Albert    | 1.48                    | 7.31             | 6.17             | 65                                   | 66     |
|                                 | Island Falls     | 1.41                    | 7.81             | 6.40             | 64                                   | 63     |
| 9B                              | Waseca           | 1.33                    | 5.42             | 6.38             | 64                                   | 64     |
|                                 | St. Walburg      | 1.48                    | 4.67             | 5.49             | 64                                   | 63     |
| SASKATCHEWAN AVERAGE            |                  | .54                     | 6.54             | 6.53             | 68.2                                 | 66.1   |

ALBERTA

|   |              |      |         |      |      |    |
|---|--------------|------|---------|------|------|----|
| 1 | Empress      | .40  | 5.02    | 5.55 | 70   | 68 |
|   | Foremost     | .65  | 8.32    | 6.07 | 64   | 68 |
|   | Hanna        | .78  | 6.62    | 6.07 | 69   | 65 |
|   | Manyberries  | N.R. | 5.65(2) | 5.78 | N.R. | 68 |
|   | Medicine Hat | .38  | 6.78    | 5.69 | 70   | 70 |
| 2 | Brooks       | 2.06 | 8.05    | 5.54 | 67   | 68 |
|   | Drumheller   | .35  | 7.51    | 5.67 | 68   | 65 |
|   | Gleichen     | .21  | 8.90    | 6.92 | 67   | 65 |
|   | Hays         | 1.47 | 9.47    | 5.43 | 69   | 68 |
|   | Rainier      | 1.55 | 9.17    | 5.81 | 66   | 67 |



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Precipitation and Temperature Data, Prairie Provinces(1)

| Province and<br>crop district | Station              | Precipitation           |                  |                  | Mean tem-<br>perature |        |
|-------------------------------|----------------------|-------------------------|------------------|------------------|-----------------------|--------|
|                               |                      | Week ending             | Total            | Normal           | week ending           |        |
|                               |                      | 8 a.m.<br>July 18, 1966 | since<br>April 1 | since<br>April 1 | 8 a.m.<br>July 18     |        |
|                               |                      |                         | inches           |                  | 1966                  | Normal |
| <b>ALBERTA - Concluded</b>    |                      |                         |                  |                  |                       |        |
| 2                             | Vauxhall             | .09                     | 8.21             | 5.46             | 65                    | 66     |
|                               | Raymond              | .12                     | 11.81            | 6.67             | 66                    | 67     |
|                               | Lethbridge           | .10                     | 12.30            | 7.20             | 66                    | 67     |
|                               | Trochu Equity        | .07                     | 6.26             | 6.64             | 65                    | 65     |
|                               | Vulcan               | .88                     | 11.14(2)         | 7.52             | 65                    | 66     |
| 3                             | Calgary              | .14                     | 10.44            | 8.10             | 62                    | 63     |
|                               | Cardston             | .11                     | 11.21            | 8.34             | 64                    | 65     |
|                               | Pincher Creek        | 1.14                    | 9.87             | 8.94             | 62                    | 64     |
|                               | Fort MacLeod         | 1.94                    | 9.41             | 8.21             | 64                    | 68     |
|                               | High River           | N.R.                    | 7.87(2)          | 8.99             | N.R.                  | 62     |
|                               | Magrath              | N.R.                    | 9.33(2)          | 8.44             | N.R.                  | 65     |
|                               | Olds                 | nil                     | 9.16             | 8.48             | 61                    | 62     |
|                               | Alliance             | .67                     | 4.83             | 6.07             | 65                    | 64     |
| 4                             | Coronation           | 1.45                    | 5.31             | 5.67             | 68                    | 64     |
|                               | Hughenden            | 2.39                    | 5.71             | 6.08             | 66                    | 64     |
|                               | Lloydminster         | .79                     | 4.03             | 5.92             | 64                    | 65     |
|                               | Stettler             | .21                     | 5.84             | 6.90             | 65                    | 64     |
|                               | Vegreville           | .56                     | 2.61             | 6.33             | 66                    | 64     |
|                               | Ranfurly             | .63                     | 3.05             | 6.74             | 64                    | 64     |
|                               | Vermilion            | .82                     | 3.64             | 5.90             | 65                    | 63     |
|                               | Edmonton             | .04                     | 5.62             | 7.94             | 63                    | 64     |
| 5                             | Lacombe              | .04                     | 4.55             | 8.55             | 62                    | 63     |
|                               | Red Deer             | .18                     | 7.28             | 7.83             | 62                    | 63     |
|                               | Rocky Mountain House | .42                     | 9.40             | 9.37             | 61                    | 61     |
|                               | Wetaskiwin           | trace                   | 5.43             | 7.99             | 64                    | 64     |
|                               | Athabasca            | N.R.                    | 6.48(2)          | 7.05             | N.R.                  | 61     |
| 6                             | Campsie              | N.R.                    | 6.11(2)          | 7.96             | N.R.                  | 61     |
|                               | Edson                | .38                     | 8.57             | 8.76             | 60                    | 59     |
|                               | Elk Point            | .57                     | 4.14             | 6.78             | 65                    | 62     |
|                               | Lac la Biche         | .45                     | 4.92             | 6.57             | 63                    | 63     |
|                               | Smith                | .65                     | 5.51             | 8.42             | 63                    | 61     |
|                               | Whitecourt           | .50                     | 8.68             | 8.05             | 61                    | 60     |
|                               | Beaverlodge          | 1.51                    | 6.29             | 6.02             | 62                    | 61     |
|                               | Fairview             | 1.76                    | 5.92             | 6.12             | 64                    | 66     |
| 7                             | Ft. Vermilion        | .59                     | 4.59             | 4.92             | 64                    | 62     |
|                               | Grande Prairie       | .73                     | 6.11             | 6.09             | 65                    | 61     |
|                               | High Prairie         | 1.02                    | 3.89             | 6.82             | 64                    | 61     |
|                               | Peace River          | .55                     | 5.31             | 4.96             | 63                    | 61     |
|                               | Rycroft              | .33                     | 3.51             | 6.20             | 61                    | 61     |
|                               | Wagner               | .54                     | 4.37             | 6.01             | 62                    | 61     |
|                               |                      |                         |                  |                  |                       |        |
| <b>ALBERTA AVERAGE</b>        |                      | .67                     | 6.76             | 6.87             | 64.5                  | 64.0   |

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.