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TELEGRAPHIC CROP REPORT - CANADA

This is the fourth of the 1965 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 Dry weather in the Maritimes has resulted in reduced crop growth. The shortage of moisture has reduced hay yields and has caused pastures to become dry. The quality of the strawberry crop is good but light yields are being obtained on non-irrigated fields. In most parts of the Maritime Provinces, rain is needed to improve the oat and potato crop prospects. For the most part, apple and pear crops look good. Rain was received on July 18 and 19 in the greater part of New Brunswick which will benefit potatoes, small fruit, pastures and other crops.

Quebec During the last fifteen days all areas of the province of Quebec have received rain and the temperature, except in some regions, has been below normal especially at night. However, more moisture is required. The hay harvest is well advanced in the Montreal region and is under way throughout the rest of the province. Hay yields are 30 to 50 per cent below normal but the quality is good. Some farmers are feeding their livestock on supplementary pastures, dry hay or turning them into oat fields. Many farmers are looking for additional forage supplies for the coming winter, especially for dairy herds. At present the condition of livestock is quite good although the milk flow is below normal for this time of year. Some farmers have sold their cattle at low prices. The grain crops, potatoes, vegetable crops, tobacco, sugar beets and forage corn are in good condition but are later than usual. Early vegetables, except cucumbers, are abundant and of good quality. Early potatoes have been on the market since July 8 although the yields are poor, especially on sandy soils. Green peas are 70 per cent harvested and poor yields are reported. The strawberry harvest is almost completed and the only region which reported a satisfactory harvest was Trois-Rivieres. Late potatoes and raspberries appear to be good crops. There have been several reports of damage by both insects and frost at the beginning of July.

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Prepared in the Crops Section, Agriculture Division

Ontario Recent rains over most of Ontario have promoted good growth of all crops as well as pastures and second-crop hay. In the southern part of the province fall-sown wheat and rye are ripening rapidly and combining of wheat has just commenced. Corn, soybeans and white beans are developing well, while harvesting of early potatoes and tomatoes is continuing. Haying operations are either completed or nearing completion. In Western Ontario, winter wheat and rye look very good and spring-sown grains are growing rapidly. Corn is growing well but could use warmer weather. In Central Ontario, grain crops now look promising and corn is making good progress. Haying operations are nearing completion and the second growth looks promising. In eastern counties, recent rains have brought remarkable improvement to corn and spring-sown grains. Haying operations are well advanced and both second-crop hay and pastures are showing good growth. However, more rain would be beneficial in this area. Cool, showery weather has delayed haying operations in Northern Ontario. Spring grains are showing good growth but corn has been slow. Pastures have improved.

Prairie Provinces Crop prospects in the Prairie Provinces continue to be good to excellent in practically all areas. Warmer weather during the past week has hastened growth, but the stage of development still lags behind normal. Moisture supplies are generally adequate for current crop requirements but more rainfall will be needed in many areas to ensure proper filling of the very heavy stands. The incidence of hail has increased during the past week and heavy losses were sustained in some local areas, particularly in Alberta. Harvesting of a heavy hay crop is nearing completion and pastures remain good.

RUST REPORT FOR THE PRAIRIE PROVINCES

The Canada Department of Agriculture reports that leaf rust of wheat is the most prevalent type of infection and is distributed throughout Manitoba and much of Saskatchewan. However, no severe infections were present in Manitoba and south-eastern Saskatchewan according to observations made from July 13 to July 15. The incidence was heaviest in the area south of the Trans-Canada Highway between Mather, Manitoba and Broadview, Saskatchewan. East of this area towards the Red River Valley and north towards the Swan River Valley infections were lighter. The heaviest incidence was noted in fields where the wheat was advanced and much less prevalent in later-sown fields. Leaf rust is increasing more rapidly than it did earlier in the season but it is evident that the moderate resistance of Selkirk wheat has markedly reduced development and thus sharply reduced prospective losses. Only traces of wheat stem rust and oat crown rust and no cases of oat stem rust have been found.

British Columbia Dry, warm weather has been general throughout British Columbia with only occasional showers occurring in isolated localities. As a result, pasture growth has suffered and hay yields have declined. At the Coast, early potatoes are tapering off and showing lighter than normal yields, while digging of second early varieties will commence next week. Raspberries are at their peak with good quality being obtained although size is off from lack of moisture. Loganberries and other bush fruit are showing up well. In general, vegetable crops are shaping up satisfactorily although moisture is needed for later plantings. In the Okanagan Valley, cherries, apricots, and peaches are past their peak with light yields being obtained. Early apples are now being harvested and McIntosh and Spartan varieties are sizing up well with close to average yields indicated. Tomatoes and cucumbers are now coming off in volume and corn harvesting has commenced. In the Peace River area, growth of grain and forage crops is generally good in all sections.

MARITIME PROVINCES

In Prince Edward Island, all crops are suffering from lack of rain and the hay crop is expected to be only half of that of last year. Oats are heading on short straw. Strawberry picking is almost over and our correspondent estimates that the crop will be about 60 to 75 per cent of normal. The potato crop looks only fair. Pastures are beginning to dry up and there is very little evidence of new growth, especially in hay fields. On July 19 the dry spell was broken by .42 inch of rain and as a result, conditions should improve considerably.

In the Amherst area of Nova Scotia, haying weather has been ideal and about two-thirds of the crop has been stored. Other crops are suffering from lack of rain and pastures are also very poor. In the vicinity of Truro, conditions are also very dry with only 1.87 inches of rain received in June and .28 inch in July to date. In most cases, pastures are very poor but recent rain should help. Strawberry picking is at its peak but yields are fairly low, due to the preceding dry weather. In the Kentville area, hay yields were estimated to be down 25 per cent with about 60 per cent already harvested. Potato acreage is up moderately but prospects look poor. Winter grains appear to be in excellent condition but spring grains are very short, with the possibility of only half an average yield being obtained. Apple prospects are excellent, and pears about average. At Antigonish, the strawberry crop is good. Haying is nearly completed on the better farms with a good crop and high quality obtained on fertilized fields. Grain and garden crops need rain. On Cape Breton Island, haying is well under way with some nearly completed. The hay crop is reasonably good and pastures are holding up fairly well. More rain was received here than in most other areas of the province. Local strawberries are just coming on the market with a fairly good crop expected.

In New Brunswick, practically all crops have been seriously affected by drought. A general rain in the province on July 18 and 19 will give some relief. Oats are heading but the straw is short. Second-crop hay is greatly retarded and pastures are heavily grazed. The potato crop looks fair at present and should benefit from recent rains. The tobacco crop is developing slowly but vegetables and apples are progressing quite favourably. Our correspondent estimates that the hay yield will be down 30 to 40 per cent and the strawberry crop down about 40 per cent. In the Perth district, ample moisture is now available due to the recent rains. Haying is about 50 per cent completed with quality good and yields fair. The yield outlook for grain is fair but the straw will be short. However, rain will improve the late crops and potatoes will also benefit.

QUEBEC

In the St. Jean area, south of Montreal, two inches of rain during the last two weeks were most beneficial to all crops, including pastures. Insect damage to vegetables has generally been light except for potato stem borer. Haying operations are nearing completion. Cool night temperatures are slowing crop growth. Hay yields are 30 to 50 per cent below normal, but the quality is good. Milk flows are below normal and many dairymen are finding it necessary to use oats and second growth hay meadows for pasture. Others are feeding their herds dry hay and supplements. Plum curculio, green apple aphid and fire blight are threatening apple orchards in several districts. Hail storms have ruined crops in some orchards.

Farther east, at Lennoxville, night temperatures have been very cool and below normal. One point four inches of rain during the last 14 days have greatly improved

the growth of grain crops, pastures and fodder corn. Progress of hay harvesting is normal for this time of year and average yields are reported. To the northeast of the province, at Ste Anne de la Pocatière, precipitation from July 5 to 19 was 1.56 inches and well distributed. Pastures on heavy soils are recovering while those on light soils are droughty. Twenty-five per cent of the hay crops has been harvested with yields somewhat below normal. Grain crops look promising with early-sown fields heading. In general, the potato crops look good. Late-planted turnips are uneven due to poor germination. In the Lake St. John region, at Normandin, three inches of rain have fallen during the last two weeks. Haying has been delayed due to retarded growth of forage crops and cool temperatures. Yields are below average with very little legumes in the stands. Grain crops are short and pastures are poor. Garden crops and potatoes are coming along well. The blueberry crop has been severely damaged by winterkilling.

To the east, at Caplan, precipitation and temperatures were approximately normal during the first half of July, although very cool nights have been experienced. Grass silage and haylage harvesting is almost completed and little hay for curing has been cut. Heavy weed infestations are resulting in poor quality hay and silage. Grain crops and flax are growing well with some fields in the shot blade. Some aphid infestations have been reported in barley fields. Caterpillars have been attacking ornamental trees and birch leaf miner is also present. Milk production is below normal.

ONTARIO

In Essex county of southern Ontario, harvesting of winter wheat is progressing satisfactorily with some good yields reported and others only fair due to excessive winterkilling. Oats are turning rapidly and although corn and soybeans are growing well these crops need rain in most areas of the county. Harvesting of fresh sweet corn has commenced and picking of tomatoes for processing will begin within the next two weeks. Harvesting of other in-season vegetables is continuing. On Pelee Island, winter wheat is ready for harvest and the yield outlook is fair. Soybeans and corn are making excellent growth with weather and moisture conditions ideal.

Harvesting of wheat has just commenced in Kent county and average yields and quality are reported. Corn is making good growth although the cool weather is delaying full development. Detasselling of seed corn has begun. Soybeans and white beans are making good growth and harvesting of oats will commence next week. Sugar beets are in good condition after recent rains. In general, all crops look good and moisture conditions are almost excellent. The Dominion Entomological Laboratory at Chatham reports that leafhopper populations are increasing on white beans and treatment is becoming necessary.

Conditions continue to be rather dry in Middlesex county and considerable supplementary feeding of livestock is being carried on. Combining of winter wheat has just commenced. In Norfolk county rainfall has been spotty and irrigation of tobacco has been general. All crops are growing reasonably well and yield prospects for tobacco, corn and spring grains are generally good. Wheat is almost ready for harvest and yields of this crop are only expected to be fair. The rye crop is about normal for this time of year. Pastures are fair to good but new seedings are slow. The sour cherry crop is good and picking is in progress. The peach crop appears to be very light and apples are only fair. Yields of early potatoes are light. Recent rains in Lincoln county have alleviated the drought conditions which

prevailed during May and June. Harvesting of sweet cherries is about 75 per cent completed while picking of sour cherries is just beginning. The quality of the cherry crop is good. Insects and fungus diseases on fruit are generally not troublesome this year.

In Simcoe county of western Ontario, all crops are making very good progress due to recent rains. Spring grains are headed and growing rapidly. Winter wheat is turning and harvesting is expected to begin about August 1. Haying operations are still progressing. Although the summer weather has been generally cool, moisture supplies are now nearly adequate and all crops are growing well. In Bruce county recent rains have improved both pastures and grain crops, with most spring grains now headed. Haying is about 80 per cent completed.

Recent rains in Waterloo county have brought about excellent growth of both spring grains and second crop hay. The winter wheat crop is in rather poor condition due to winterkilling and harvesting is expected to commence about August 1. Moisture supplies in Wellington county are now adequate due to recent rains although temperatures are below normal for this time of year. Corn is making only slow growth while flax is growing well. Haying operations are nearing completion and the second crop is making good growth. There has been almost six inches of rain during the last three weeks in Halton county. Winter wheat is now maturing and kernels are plump. Corn and spring-sown grains have improved greatly but weed control in corn has been a problem. Cutting of second crop hay commenced this week. Strawberry yields were normal.

In York county of central Ontario, haying is almost completed but yields are about one-third to one-half less than normal. Pastures are short. Over two inches of rain, which fell on June 28 and July 2, have greatly relieved the drought conditions. Grain and corn are now growing well but second-crop hay and pastures will depend on further rains. Continued rains in Durham county have given ample moisture supplies for all crops. Second-crop hay is excellent and prospects are good for yields of both oats and barley. Corn has shown marked improvement. Recent rains have improved yield prospects for spring grains and corn, and yields of silage and grains should be above average. Hay yields were about 75 per cent of normal but prospects for the second crop are good. Pastures are adequate at present.

In Leeds county of eastern Ontario, prospects for all crops have improved due to recent rains. Haying operations are about 90 per cent completed and, although the crop was only about 60 per cent of normal, the quality was good. Prospects for the oat crop are fairly good and corn appears to be about average or a little better. Fall wheat is turning and looks to be about 60 per cent of a normal crop. Prospects for pastures and second-crop hay are fair provided further rains occur. Occasional rains have improved growing conditions considerably in Carleton county. Corn, spring-sown grains, second-crop hay and pastures have all responded to the improved moisture conditions. Corn and spring grains are developing well with some corn beginning to tassel at about four to five feet. New seedings are developing satisfactorily after a slow start. Pastures have revived somewhat but growth is not adequate and supplementary feeding of hay, grain, and green oats has been common. In Renfrew county, light showers have kept pastures green but have produced little growth. There is wide variation in crop development as those fields which got an early start are fair to good, while many fields are short and in poor condition due to irregular germination.

In the Port Arthur-Thunder Bay district of northern Ontario, the weather has been cool but moisture conditions are excellent for growing crops. Haying operations are behind schedule due to showers every few days. Grain crops and potatoes are showing good growth and pastures are in very good condition.

MANITOBA

Manitoba crop prospects have been well maintained due to recent frequent rains but much acreage, especially in the east, remains one to two weeks behind normal. Hail occurred at scattered points throughout the province. However, any significant damage was limited to parts in the south-centre and northwest. Rains have delayed haying and quality is beginning to deteriorate. Wheat is nearly all headed while oats and barley are less than half out. In eastern areas weed growth is heavy and crop yield prospects are only fair. Flax prospects are generally very favourable except on extremely late-sown acreages. Rapeseed, mustard seed and peas are starting to form pods. Sunflowers are from two and one-half to three feet in height. Corn is short for this time of the year but sugar beets are starting to cover the ground. So far there has been no significant insect activity.

At Vita, in southeastern Manitoba, haying has been interrupted to some extent as a result of recent showers. Tame hay crops are good but wild hay is only fair. Beet thinning and weed spraying have been completed. In general, crop conditions are very good. A report from Altona indicates that heavy showers in most of this area during the last few days have provided sufficient moisture until harvest time. Leaf rust appears to be slight but widespread. Late blight is affecting garden potatoes and some pea aphids are reported. However, crops are probably too far advanced to be seriously affected by these pests. Sugar beets are covering most fields. At Morden, canning peas are still being harvested. Moisture reserves are excellent and the harvesting of potatoes will commence next week. At the present time the crop outlook is excellent. So far there has been no hail damage. Some aphid damage has occurred in peas and barley. Corn is progressing slowly and some chlorosis and wilt are showing up in flax, but up to present damage is slight.

In the south-central area, around Pilot Mound, almost two inches of rain were received and haying operations have been delayed. As a result of this heavy rain, field moisture supplies are ample. Crop prospects are very good with cereals mostly headed, and rape seed and mustard well into the flowering stage. Corn is the only crop for which conditions vary from fair to poor. Some warm weather would be welcome. In contrast with conditions at Pilot Mound, moisture reserves are only fair at Somerset. However, a general rain on July 19 should improve crop conditions. Hay is not too abundant and some silage corn was frozen in the Greenway-Baldur area. Hail occurred between Somerset and Treherne on July 15 and caused up to 100 per cent damage to some crops.

At Beauséjour, in the Winnipeg area, early-seeded cereal crops are now heading and making good progress. In the case of late-seeded flax fields, however, a lengthy frost-free period will be required in order to bring them to maturity. Rain continued to fall during the past week at Selkirk, and since April 1, 11.56 inches have been received in this area. Early-seeded crops are doing well and have headed out. Late-seeded crops on the other hand show some deterioration as a result of the excess moisture. An excellent hay crop is spoiling in the swath and second growth is starting before the first crop can be removed. Warm dry weather is needed.

At Portage la Prairie, all crops are doing very well and moisture supplies are adequate. Seventy-five per cent of the wheat crop is in head and 80 per cent of the flax crop has bloomed. Dry weather is needed now, in order to complete haying operations. Vegetable crops are excellent. So far there has been no sign of rust, although there is some slight infestation of aster yellows in the flax crop. It is expected that the pea crop will be later than normal. At Virden, crops continue to grow vigorously and considerable rain was received during the past week. Most of the wheat and early coarse grain crops are well headed and nearly all flax crops have just finished blooming. As a result of the numerous showers received recently, harvesting of a good crop of hay has been delayed.

In the northern Inter-Lake district, at Arborg, showers continued to delay haying and retard crop development. Crops of rapeseed are generally quite late although early fields are heading. About one-half of the grain and flax crops is approximately eight inches in height. Heavy yields of timothy seed are expected this year but the crop is about ten days late.

At Neepawa in the west-central part of the province, rain has been delaying the haying operations. Hail has been reported and in some areas damage ranged up to 100 per cent. Growth of cereal crops has been excellent with wheat 75 per cent headed. Oats and barley are just beginning to head and flax is in the flowering stage. Rain at Minnedosa during the past week delayed haying operations. Some hail occurred but damage was not serious. Seventy-five per cent of the wheat crop is in head and the flax crop is flowering. Oats and barley are just commencing to head.

In the northwest, around Dauphin, nearly two inches of rain fell over the weekend and moisture conditions are very satisfactory. Cereals and special crops appear to be good except for a few fields of late barley. Pasture growth is good but haying operations are being delayed as a result of the showery weather.

The unweighted average precipitation for the province since April 1 has been 16 per cent above normal compared with 18 per cent above normal a week ago, 26 per cent above normal two weeks ago and 16 per cent above normal a year ago. Mean temperature for the week ending July 19 was 2.7 degrees below normal compared with 4.8 degrees below normal a week ago, 6.3 degrees below normal two weeks ago and 3.5 degrees above normal for the week ending July 20, 1964.

SASKATCHEWAN

With recent higher temperatures, crops in Saskatchewan are making good growth but development is still behind normal. In most areas moisture conditions are generally satisfactory but more rain will soon be needed to support the heavy growth, particularly in some lighter soil areas. Scattered hail damage is reported and lodging in some fields has occurred due to the heavy growth and shallow rooting. Haying operations are well under way and yield prospects are excellent.

In the southeast part of the province at Willmar most of the wheat is now headed and, with 8.95 inches of rain since April 1, crops look very good. Haying and summerfallowing are progressing well and there have been no reports of grasshoppers. The hot, dry weather of the past week at Yellow Grass has improved crops and allowed farmers to complete summerfallow operations. Early-sown wheat fields are now headed and late fields are about ten inches high. More rain could be used by crops on lighter soils but the general situation is good. Flax growth is just fair. A long, frost-free period will be required to allow crops to mature.

The Experimental Farm at Indian Head reports that 1.12 inches of rain last Sunday night delayed haying and summerfallow operations. However, this moisture will ensure excellent filling of grain crops which are now headed and provide good reserves for those crops which are just heading. Stands are excellent everywhere in this area. Rust is showing up on susceptible varieties in test plots. However, Selkirk and Pembina are still free of infection. There has been no hail in the area. Excellent progress was made during the past week in putting up the heavy hay crop. Livestock are making good gains on high yield pastures.

Crop prospects are also good at Fillmore and although scattered showers were received over the week end, more moisture will be needed to maintain the heavy stand. Early crops are now headed but some flax fields are badly retarded due to weed spraying operations. Haying is nearly completed and pastures remain in good condition. Gardens are excellent. Severe hail damage was suffered in some local areas.

The Experimental Farm at Swift Current reports that crop prospects continue to be excellent but growth is about ten days behind normal. Wheat is about 70 per cent headed, while fall rye is well filled and ripening. The warmer, drier weather of the past few days has enabled farmers to make good progress with haying and summerfallow operations. Pastures are still green and carrying a heavy stand of grass. Crops made good progress during the past week at Val Marie and are now 95 per cent headed. However, further rains will be needed to maintain the present good prospects. Cutting of forage crops is progressing rapidly and pastures are good. The weather at Leader during the past week also favoured crop development. Stands are extremely heavy and dense for this area. Wheat is in the blossom stage and flax is blooming.

All crops are progressing well at Melville in the east-central part of the province and are about 75 per cent headed. Hay yields have been heavy and pastures are good. Rainfall is still well above normal for the district. Crop development is also excellent at Togo and the two inches of rain received recently have provided good moisture reserves. Some hail damage was experienced. Our correspondent estimates that, barring rust or frost, a big crop is assured on all types of land. Most wheat is fully headed and all crops are now making rapid growth. At Sturgis, early-seeded wheat fields are now in bloom and coarse grain fields are beginning to head. Rapeseed crops are in bloom and stands are very heavy. Hay fields are good and pastures continue to show good growth. There are no signs of any insect damage.

Crops are also growing extremely well around Saskatoon in the central part of the province. Over 90 per cent of the wheat and 50 per cent of the coarse grains are now headed. No significant rainfall was received during the past week and more moisture will soon be required to ensure proper filling. However, the weather has been good for haying and this operation is now nearing completion. Summerfallows are in good condition. The annual cutworm forecast indicates there is little likelihood of serious infestation in Saskatchewan next year. Most grain crops are now headed at Craik and average about 26 inches high. Fall rye is well filled and turning colour. Hay crops are good. About 0.29 inches of rain was received during the past week bringing the season's total since April 1 to 9.74 inches. Hail resulting in up to 100 per cent damage in some northeast parts of the district affected about 5,000 acres.

The Experimental Farm at Scott reports that wheat, oats and barley crops are heading out rapidly and rape fields are flowering. Flax is beginning to bloom. Crops in this district have not suffered this season from a moisture deficiency and thus stands are dense and the height is above average. Hail damage has occurred in a few local areas. Haying is progressing favourably. Light leaf rust infection on wheat is noted in some fields. Farther north, at Meota, crops are lush and present moisture reserves are adequate for about ten days. Haying is in full swing and yields are well above average. Summerfallow operations are now progressing. The overall crop picture at present is excellent.

The Experimental Farm at Melfort in the northeast part of the province reports that scattered showers and warm weather are forcing heavy crops which are seven to ten days later than normal. Approximately half of the wheat is headed and flax is in the flowering stage. Rape is in full bloom. There have been some reports of hail but damage has been confined to small areas. There is, however, a distinct possibility of severe lodging because of the heavy stand. Wheat in the Nipawin area is about 40 per cent headed and about 20 per cent of the rape has passed the flowering stage. Flax is in full bloom. Showers of the past week have delayed haying. Our correspondent estimates that considerably more moisture will be required to bring the heavy crop through to maturity.

The Saskatchewan Municipal Hail Insurance Association reports the following hail storms during the past week: Scattered hail storms at Fillmore, Weyburn, Tuxford, and Glidden on July 15; on July 16, Ebenezer, Rhein, Lintlaw and Kinistino; on July 18, extensive hail storms at Weyburn, Drinkwater, Chamberlain, Davidson, Simpson, Elrose, Wartime, Rosetown, Handel and Arelee.

The unweighted average precipitation for the province since April 1 has been 34 per cent above normal as compared with 35 per cent above normal a week ago, 39 per cent above normal two weeks ago, and in contrast to 10 per cent below normal a year ago. Mean temperature for the week ending July 19 was 1.4 degrees below normal compared with 3.7 degrees below normal a week ago, 3.4 degrees below normal two weeks ago, and 1.9 degrees above normal for the week ending July 20, 1964.

ALBERTA

Crop conditions are varied in Alberta with prospects in southern and eastern areas never better. However, more rain will be needed to fill the heavy stands in these areas. In the western part of the province, excessive rainfall is retarding growth, especially of late crops. In the Peace River area moisture conditions vary from excessive in southern parts to very dry at Worsley, Dixonville, Manning and Fort Vermilion and in some areas, crops are being ploughed under. The percentage of crops headed in the Peace River area is the highest for the province. Hay crops throughout the province are very heavy but the wet weather has hindered operations in many areas. Pastures and livestock are in excellent condition. The incidence of hail has been heavy west of the line between Ponoka and Medicine Hat. The worst storms have occurred from High River and Vulcan south. Insect damage has been relatively light with few infestations of grasshoppers being reported. The cabbage looper is widespread in rapeseed crops and damage ranges from light to severe with some fields in low-lying areas being completely stripped of foliage. Control is difficult due to the stage of growth of both crops and cabbage loopers. Officials expect the plague will be ended within a week and there is optimism of crop recovery. Summerfallowing has been difficult in almost all regions and heavy rains have caused some flooding and soil erosion.

In the southeast, at Manyberries, the total rainfall since April 1 has been 9.98 inches. More rain will be needed in the next week. Farmers are busy haying and summerfallowing. All grain crops are headed and in good condition. Fall rye and winter wheat are ripening rapidly and the harvesting of spring-sown grain will probably start September 1. Crops are looking good around Medicine Hat and moisture supplies are also good. Hot weather during the past week has brought all crops along rapidly. Fall rye is being swathed and yields of 15 to 20 bushels per acre are indicated. Fall wheat is maturing and yields look like 20 to 25 bushels per acre or better. The first cut of hay is almost completed on irrigated land but the quality is below average due to wet weather. Pastures are excellent and cattle are in good condition.

According to a report from Lethbridge, in the southwestern part of the province, cereal crops are developing rapidly and the first cutting of hay has been completed. The canning pea harvest is under way and sugar beets and canning corn are making satisfactory growth. To the southwest at Cardston ideal conditions prevail and fall crops are filling well. Spring crops are heading and pastures are in excellent condition. Haying and summerfallowing operations are progressing favourably. To the north, crops are about two weeks late around Claresholm and only about 50 per cent of the spring-sown crops are headed. Stands are very heavy, heads are good, and outside of some hail damage and the late season, crop prospects are the best in years. A very heavy crop of hay is being put up.

Native pastures are the best in years in the eastern irrigation district around Brooks. Pea, potato, cereal and flax crops are progressing well and no further hail damage has been reported since July 11. Haying operations are in full swing with excellent haying weather being experienced.

Crop conditions are good in the east-central region of the province although no rain has fallen during the past week in the Hanna area. Recent hot weather has been beneficial to late grain crops. Haying is general at present. In the Calgary district hot, sunny weather during the past week gave ideal growing conditions and crops have made very good progress. Heading is general throughout the district and prospects remain excellent although crops are still late and need more hot weather. Around Olds, the return of hot, dry weather has caused wheat and barley to head rapidly. Haying is in full swing and heavy yields are reported.

At Sedgewick in the northeast-central part of the province crops have advanced rapidly with the warm weather during the past week. Wheat is approximately 50 per cent headed and all crops, including gardens and pastures, look very good. Northeast at Vermilion hot weather during the past week has advanced crops rapidly with all wheat in the shot blade and 40 per cent headed. All rapeseed crops are in bloom. Haying is well under way and yields are much above normal.

In the vicinity of Donalda all crops are better than average considering the late spring. Grain crops are heading out quite rapidly. Spraying was very effective and consequently a good weed kill was achieved. The first cut of alfalfa is completed and other hay is being put up. Approximately 11.5 inches of rain have fallen so far this year. To the south at Stettler crop conditions remain good. Warmer weather is needed and wheat is heading. The working of summerfallow and the harvesting of a heavy hay crop have been delayed due to wet weather.

To the northwest, around Edmonton, warm weather has promoted rapid growth of all crops and prospects remain very good. Moisture conditions are also excellent.

Around Lacombe growth during the past week has been excellent. Haying operations have continued with only slight interruptions. Yields are averaging approximately one and three-quarter tons per acre. Some lodging of cereals has been reported. Late-seeded crops are only fair and many barley fields are in flower while others are in shot blade.

Around Bonnyville in the northeast part of the province, recent showers have provided needed moisture for good crop growth. General prospects remain good in most areas of the district. All crops are showing excellent response to commercial fertilizers and gardens are beautiful.

In the Peace River area around Beaverlodge, low-lying areas are suffering from too much moisture. Otherwise, crops are good although frequent rains have caused some hay spoilage. Pastures are excellent. An outbreak of cabbage looper is reported in rapeseed and damage is severe in some fields. Flax rust is present on research station plots. To the northwest, around Berwyn, showers on the week end over most areas will help fill crops. In the drought areas some crops will be salvaged. Pastures will recover and crop prospects are fair to good except for dry areas around Manning, Nampa and north. A few outbreaks of red turnip beetles have been reported. Haying operations are nearing completion with average yields of good quality reported. At Fort Vermilion .62 inch of rain fell on July 20. All cereal crops are in head but plants are short ranging from 12 to 18 inches in height. Oilseed crops are very poor, short and small. The recent rain was not sufficient to help annual crops but is improving pastures.

The Alberta Hail Insurance Board reports light to medium hail on July 11 at Chinook from 15 miles southwest to 5 miles north, and starting two miles northeast of Hayter and going east one-half mile wide to one and one-half miles wide at the Saskatchewan border. On July 15 hail was received around Ferintosh and on July 17, light hail was reported at Rimbey, Meeting Creek, Innisfree and Beauvallon. On July 18 spotty, light hail storms were reported at Didsbury, Olds, Bowden and west.

The unweighted average precipitation for the province since April 1 has been 35 per cent above normal compared with 43 per cent above normal a week ago, 35 per cent above normal two weeks ago, and 16 per cent above normal a year ago. Mean temperature for the week ending July 19, 1965 was 1.4 degrees below normal, compared with 1.8 degrees below normal a week ago, 1.3 degrees below normal two weeks ago and 1.9 degrees below normal for the week ending July 20, 1964.

BRITISH COLUMBIA

At Victoria on Vancouver Island, the hay crop yield was above average and quality was good but pastures are now suffering from extremely dry conditions. Early potato yields are above average and prices are very good and prospects for late potatoes are also good. The loganberry crop is expected to be near normal and better than first anticipated. However, the cherry crop is expected to be light due to the poor setting weather in May. The apple crop is anticipated to be slightly below average. At Agassiz in the Lower Fraser River Valley, the July rainfall to-date is .5 inches making a total of .64 inches received since May 30. The mean temperature has been close to average and except where irrigation has been

in effect all crops have been suffering from lack of moisture. The dry weather is reducing hay and pasture yields where prospects were already poor owing to winter injury. Oat crops are ripening prematurely, the raspberry harvest is at its peak and our correspondent estimates that the yield will be 85 per cent of the 1964 crop. The first crop of canning peas has been harvested but the yield and quality of the mid-season crop is expected to be reduced. Bean prospects are generally good while the corn crop will depend on the future moisture supply.

In Summerland in the southern Okanagan, a small apricot crop is being harvested. Additional winter injury is now becoming apparent in Newtown and Delicious apples. The Bartlett pear crop is about 10 per cent of normal and the Anjous are about 30 per cent. The apple crop is expected to be about 70 to 75 per cent of that produced in 1964. At Vernon in the northern Okanagan, hot, dry weather continues. The cereal harvest will begin about July 24, with yields estimated to be 30 to 60 per cent of normal. The harvest of second-cut hay has commenced on irrigated areas with average yields being obtained. On dry land very little second-cut hay is expected to be harvested. Our correspondent estimates that the total hay crop is 60 per cent of average. Irrigated pastures in upper ranges are in good condition and the irrigated field corn outlook is good.

At Creston in the southern Kootenay, harvesting of first-cut alfalfa is completed with average yields and quality being obtained. Additional rain will be required for the second cut. A fair cherry crop is being picked, winter wheat is maturing rapidly and spring grains are fully headed out. At Kamloops in the South Cariboo region, hot, dry weather prevails. Irrigated potato crops are in bloom and the hay in the valley bottoms has been cut for the second time. More than one and one-quarter inches of rain fell in the Cariboo on July 7 and 8, improving range conditions for the area. However, range conditions around Kamloops are extremely dry.

At Prince George in the central Interior, growth of crops has improved remarkably due to recent rains. Pastures are good and grains have picked up considerably, especially those which were seeded late. Difficulty is being encountered in drying the light hay crop. Regrowth on early harvested fields with clover present indicates a second crop may be taken in mid-August.

At Smithers in the Skeena River Valley, rain and bad weather has delayed the harvest of light hay crops but have increased yield of those not cut. Prospects for cereal and horticultural crops are good with no serious diseases being reported.

At Dawson Creek in the Peace River district, early grain crops are heavy and growing rapidly. Hay crops are generally heavy and haying is taking place throughout the area. Forage seed crops are very thick. Summerfallowing and new clearing is behind schedule because of the soft ground. Growing conditions are excellent but more warm weather would be desirable.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending	
		Week ending	Total	Normal	8 a.m.	
		8 a.m.	since	since	July 19	
		July 19, 1965	April 1	April 1	1965	Normal
		inches			degrees F.	
<u>MANITOBA</u>						
1	Boissevain	nil	10.06	7.99	65	67
	Pierson	.01	6.10	8.00	68	68
	Waskada	.06	7.18	8.34	67	68
2	Ninette	.78	4.65	8.61	63	68
	Baldur	N.R.	7.31 ⁽²⁾	8.40	N.R.	68
	Pilot Mound	.47	8.08	8.19	65	67
3	Altona	.88	10.54	7.73	61	69
	Deerwood	.17	8.45	8.16	67	68
	Graysville	.75	9.99	7.93	65	69
	Gretna	1.27	10.41	7.74	66	70
	Morden	.13	8.14	8.41	67	69
	Morris	1.17	11.30	7.24	63	70
	Portage la Prairie	.12	8.36	8.21	66	70
	Roland	.03	8.66	7.92	66	69
4	Stonewall	.44	11.15	7.89	64	69
5	Emerson	.17	8.61	7.74	67	70
	Steinbach	N.R.	9.37 ⁽²⁾	7.94	N.R.	69
	Winnipeg	.64	10.32	7.52	66	69
	Starbuck	.76	9.77	7.52	66	69
6	Seven Sisters Falls	N.R.	8.01 ⁽²⁾	7.04	N.R.	67
	Great Falls	N.R.	8.19 ⁽²⁾	6.70	N.R.	67
	Sprague	1.08	14.84	8.42	64	66
7	Reston	N.R.	6.91 ⁽²⁾	8.07	N.R.	68
	Rivers	.60	6.76	9.08	67	67
	Virden	.73	8.33	7.60	68	69
8	Brandon	.90	10.62	8.63	65	68
	Cypress River	.19	7.44	7.96	65	69
9	Gladstone	.16	7.54	8.02	N.R.	N.R.
10	Birtle	.61	7.54	7.65	64	65
	Rosburn	2.23	10.13	7.30	66	65
	Russell	1.18	8.97	7.24	64	66
11	Dauphin	2.18	10.08	7.50	64	69
12	Arborg	1.00	11.40	7.44	65	68
	Gimli	.74	11.61	8.02	66	68
	Steep Rock	N.R.	6.10 ⁽²⁾	7.23	N.R.	66
13	Swan River	.84	9.44	7.00	64	65
	The Pas	.47	5.20	6.03	61	66
14	Grass River	N.R.	8.29 ⁽²⁾	8.22	N.R.	68
MANITOBA AVERAGE		.67	9.09	7.81	65.2	67.9

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m. July 19, 1965	since April 1	since April 1	8 a.m. July 19	Normal
			inches		1965	degrees F.
<u>SASKATCHEWAN</u>						
1A	Carlyle	.26	8.13	7.59	66	66
	Estevan	.19	9.80	7.94	69	69
	Oxbow	.53	6.66 ⁽²⁾	7.96	66	68
	Willmar	.38	8.53	7.46	N.R.	N.R.
1B	Broadview	.20	8.66	7.71	65	65
	Moosomin	.35	7.86	8.18	67	68
2A	Yellow Grass	.21	10.32	7.22	68	68
	Weyburn	.04	11.28	7.29	68	68
	Midale	.05	10.41	7.00	69	68
2B	Moose Jaw	.26	9.78	6.65	69	69
	Regina	.59	10.76	6.96	67	68
	Francis	.43	8.06	6.35	65	67
	Qu'Appelle	.75	9.30	7.57	65	67
	Indian Head	1.16	10.90	6.97	67	67
3AS	Ormiston	.09	9.74 ⁽²⁾	7.21	69	69
	Cardross	N.R.	9.27 ⁽²⁾	7.23	N.R.	68
	Ceylon	trace	10.47	7.94	64	68
3AN	Chaplin	.37	7.97	6.05	67	68
	Gravelbourg	.13	7.68 ⁽²⁾	6.82	66	69
	Coderre	N.R.	6.80 ⁽²⁾	6.66	N.R.	69
3BS	Shaunavon	.89	8.86 ⁽²⁾	6.38	65	69
	Pambrun	N.R.	10.34 ⁽²⁾	7.00	N.R.	68
	Climax	N.R.	2.28 ⁽²⁾	6.05	N.R.	N.R.
	Aneroid	.16	7.10	6.40	65	68
	Instow	.62	8.06	6.37	63	68
3BN	Swift Current	.20	8.79	6.75	65	68
	Pennant	.47	10.09	6.28	66	69
	Hodgeville	.08	7.85	6.86	65	68
	Hughton	.29	7.16	5.64	65	68
4A	Maple Creek	.26	8.69	6.25	68	68
	Consul	.05	8.92 ⁽²⁾	5.59	64	66
4B	Abbey	N.R.	7.13 ⁽²⁾	5.49	N.R.	67
	Leader	.06	5.67	5.61	66	67
5A	Cupar	2.07	11.69 ⁽²⁾	6.41	N.R.	67
	Balcarres	N.R.	8.44 ⁽²⁾	6.20	N.R.	N.R.
	Lipton	N.R.	9.38 ⁽²⁾	6.20	N.R.	68
	Melville	1.36	6.89	6.85	65	66
	Yorkton	.79	9.42 ⁽²⁾	7.03	66	67
5B	Bangor	N.R.	6.72 ⁽²⁾	7.08	N.R.	66
	Wynyard	1.32	12.11	7.02	66	67
	Foam Lake	N.R.	8.32 ⁽²⁾	7.25	N.R.	66
	Kuroki	1.69	15.07	7.23	62	65
	Lintlaw	1.14	12.46	7.21	63	65
6A	Kamsack	1.46	9.59	6.77	65	66
	Davidson	1.14	8.83 ⁽²⁾	6.44	63	67
	Imperial	.29	10.23	6.31	66	67
	Strasbourg	1.33	9.99	6.52	65	66
	Watrous	.14	10.67	6.04	64	67

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending 8 a.m. July 19	
		Week ending 8 a.m. July 19, 1965	Total since April 1	Normal since April 1	1965	Normal
			inches		degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6B	Harris	.45	7.79	5.95	65	67
	Outlook	.19	7.81	5.63	68	69
	Rosthern	.11	5.50	6.51	67	65
	Saskatoon	.19	6.31	6.62	65	67
	Elbow	.33	6.84	5.82	67	68
	Tugaske	.03	6.11	6.37	66	67
	Dundurn	.78	7.50	6.03	65	67
7A	Alsask	.13	4.35	5.55	68	67
	Kindersley	.04	5.05	5.44	66	67
	Rosetown	.59	8.33	6.47	65	67
7B	Macklin	.31	11.50	6.05	64	66
	Denzil	.43	9.14	6.05	64	66
	Scott	.16	7.41	6.04	64	65
	Biggar	.71	8.00	6.16	65	67
8A	Hudson Bay	.97	9.25	7.12	63	65
	Prairie River	1.24	11.38	6.91	61	65
8B	Humboldt	.33	7.44	6.24	65	66
	Melfort	.34	8.75	6.48	64	66
9A	North Battleford	.41	9.39	5.89	66	67
	Victoire	.43	6.25	6.00	69	63
	Prince Albert	.74	6.21	6.74	65	66
	Island Falls	1.89	8.18	6.24	60	64
9B	Waseca	.16	11.22	6.19	65	64
	St. Walburg	.04	10.97	6.30	63	63
SASKATCHEWAN AVERAGE		.52	8.85	6.59	65.5	66.9

ALBERTA

1	Empress	trace	4.91	4.29	69	71
	Foremost	nil	8.78	6.58	66	70
	Hanna	.12	6.02	6.18	63	65
	Manyberries	.06	13.67	5.32	65	70
	Medicine Hat	trace	7.82	5.67	68	71
	Winnifred	.94	3.94	5.61	N.R.	N.R.
2	Brooks	nil	7.52	5.41	66	69
	Drumheller	.15	7.01	6.01	66	68
	Gleichen	nil	9.10	6.53	64	65
	Hays	trace	7.58	5.61	67	71
	Leinier	nil	9.40	5.48	66	68
	Vauxhall	.04	8.51	5.55	65	67
	Warner	N.R.	9.49 ⁽²⁾	7.36	N.R.	68
	Raymond	trace	11.33	7.36	65	67
	Lethbridge	trace	11.98	7.46	67	65
	Trochu Equity	.48	7.58	7.41	62	64
	Vulcan	.11	13.48	6.80	62	66
3	Calgary	.23	11.28	8.17	62	63
	Cardston	nil	11.86	8.15	64	66



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Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending 8 a.m. July 19		
		Week ending 8 a.m. July 19, 1965	Total since April 1	Normal since April 1	1965	Normal	
			inches			degrees F.	
ALBERTA - Concluded							
3	Pincher Creek	.23	12.42	9.10	62	63	
	Fort MacLeod	.05	10.18	8.10	66	68	
	High River	N.R.	8.55 ⁽²⁾	9.06	N.R.	62	
	Magrath	.14	11.89	7.97	65	66	
	Olds	.81	10.91	8.04	60	62	
4	Alliance	.17	6.63	7.19	63	64	
	Coronation	.32	5.17	6.01	64	64	
	Hughenden	.46	8.03	6.30	64	64	
	Lloydminster	.38	11.16	6.09	64	65	
	Stettler	.07	8.22	7.57	63	64	
	Vegreville	1.00	10.16	6.35	64	65	
	Ranfurly	.71	9.51	6.80	61	65	
	Vermilion	.13	7.22	6.50	62	63	
	Edmonton	.88	11.56	7.76	62	64	
	Lacombe	.21	10.80	8.20	62	63	
5	Red Deer	.37	8.60	7.77	62	61	
	Rocky Mountain House	.14	14.56	10.07	60	61	
	Wetaskiwin	.75	12.60	7.68	63	62	
	Athabasca	.40	7.51	6.69	61	61	
	Campsie	.41	10.88	7.90	60	62	
	Edson	.94	16.72	8.33	59	60	
	Elk Point	1.77	10.57	6.65	62	62	
	Lac la Biche	1.39	8.79	6.76	60	64	
	Smith	N.R.	6.69 ⁽²⁾	6.34	N.R.	61	
	Whitecourt	.83	12.36	8.32	59	60	
7	Beaverlodge	N.R.	11.10 ⁽²⁾	5.85	N.R.	61	
	Fairview	.08	6.43	6.06	61	61	
	Ft. Vermilion	.62	2.36	4.72	65	63	
	Grande Prairie	.11	9.80	5.93	60	62	
	High Prairie	1.04	6.85	6.94	59	62	
	Peace River	.66	3.26	5.56	60	62	
	Rycroft	.16	6.91	5.78	59	62	
	Wagner	.69	9.48	5.99	61	61	
	ALBERTA AVERAGE		.38	9.24	6.83	63.0	64.4

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.