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no. 9

1969

July 23

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## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Price: \$4.00 for series of 20 Crop Reports

Field Crop Reporting Series — No. 12TELEGRAPHIC CROP REPORT — CANADA

This is the fourth of the 1969 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.

SUMMARY

Maritime Provinces. — Haying is nearing completion in the Maritime Provinces with average yields reported. Prince Edward Island reports that grain and potato crops are promising. The strawberry harvest is nearly completed with above average yields. Reports from Nova Scotia indicate that crops look promising at the present time, but aphid damage in spring grains is appearing. Although heavy rains last week helped the blueberry crop, indications are that yields will be below average. Rain during the weekend relieved drought conditions, but corn, grain and potatoes are showing drought symptoms. In New Brunswick, hot weather during the past week promoted the growth of all crops, particularly corn and potatoes. Haying operations are proceeding favourably. Early potatoes are expected to be on the market in about two weeks. The corn crop is variable and yields are expected to be below average.

Quebec. — Weather conditions varied greatly during the past few weeks. Early in the period the weather was quite cold and rainy but later on warm dry weather prevailed in most regions. Nevertheless, soil moisture supplies are generally quite satisfactory except in the Gaspé region where drought conditions prevail. Warm weather of the last week improved crop growth considerably. Haymaking is presently in progress and approximately 70 per cent of the crop has been put up with good quality reported. However, haymaking is still in its initial stages in the Abitibi, Temiskaming, Saguenay-Lac St-Jean, and Gaspé regions. Cereal crops are above normal with the corn crop improved considerably since the last report. Sugar beet and potato crops are promising, while most garden crops are showing good appearance. New potatoes are already appearing on the market. Strawberries which were of excellent quality are almost finished while raspberry picking is starting. Pastures vary from good to excellent, with dairy production normal for the period.

Agriculture Division  
Crops Section

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Ontario. — Hot, dry weather over most areas of Ontario during the past two weeks has generally aided crop development and haying. Winter wheat is either ripe or turning but excessive rains which fell in the major producing areas of Essex and Kent have caused sprouting, rust and lodging. In addition many fields are too wet to carry harvesting machinery. Corn and soybeans have made excellent growth but much of the acreage is still behind schedule. Spring grains continue to reflect the wide range of seeding dates and present conditions vary from poor to excellent. Vegetable crops are growing rapidly and picking of early tomatoes is under way. Harvesting of sweet cherries has commenced and the recent dry weather prevented splitting. Haying operations are nearing completion and much of the crop has been stored in excellent condition. Pastures are generally good but have dried in some areas. Rain would be welcome over most regions to promote growth of spring crops as well as pastures.

Prairie Provinces. — Recent rains and higher temperatures have advanced plant growth throughout the Prairie Provinces although crop development is still later than normal. All districts except the eastern part of the Peace River report adequate moisture supplies now with excessively wet conditions in parts of Manitoba. Most crops made a good recovery from the June frosts and prospects are generally promising for cereals and oilseeds. Haying is under way in most districts although frequent showers have delayed operations. Light yields are reported.

#### RUST REPORT FOR THE PRAIRIE PROVINCES

Wheat leaf rust is present in trace amounts throughout much of southern Manitoba. Further development of wheat rust is anticipated since conditions continue to be favourable for rust development. It is impossible to tell at this time whether leaf rust will affect wheat yields. Stem rust has not been found on resistant wheat varieties in farm fields. Oat rust has not been found to date in Western Canada.

British Columbia. — Normal summer weather has brought good growing and harvesting conditions in all parts of the province. At the Coast the early potato harvest is about over and second early varieties are now being lifted with generally good yields and quality reported. Carrots are moving in limited volume and other root crops are also reported below average for this period. Raspberries have been completely cleaned up and loganberries and blueberries are now being picked with indicated yields about one-third below average. In the Okanagan, early apples are coming off in good volume while later varieties are sizing satisfactorily after a slow start. Bartlett pears are also sizing well but yields will be down this year. Summer vegetables are generally in good condition with average yields indicated. In the Peace River Block growth of grain crops is reported fair to good following recent showery weather. Warmer temperatures, however, are now required for optimum development in this area.

#### MARITIME PROVINCES

Reports from Prince Edward Island indicate that rainfall during the past week delayed haying operations. Haying has been 70 per cent completed and the crop is of average yield and good quality. Although weather conditions have adversely affected the quality of strawberries, yields are heavy. The harvest will be completed by the end of the present week. Cereals are making satisfactory growth, however, mildew is spreading from winter wheat to spring wheat and is causing considerable damage in some areas. Adequately fertilized pastures are productive. Tobacco acreage is reported to have increased over last year's.



Early potatoes are now appearing on the local market. Spotty fields are reported due to missing potato plants. There is no indication of blight and moisture is adequate. Cole crops were planted under optimum conditions and pastures are holding up well. Recent rain has greatly improved pasture conditions, and grass is excellent. The potato and corn crops are doing well.

In the Cumberland County area of Nova Scotia, crops are promising at the present time although some areas report aphid damage to spring grains especially barley that was seeded late. Due to cold soil conditions at seeding time, some silage corn growth has been stunted and appears unhealthy, but recent rain and hot, sunny weather have helped corn growth. Although heavy rains last week were beneficial to crop growth, the blueberry crop will be below average due to dry conditions. Reports from the central Nova Scotia area indicate that hay crop yields are average with a high percentage of hay harvested in good condition. Pastures were drying up prior to heavy rains. Corn acreage has increased over last year and the crop is growing well. Heavy yields and good quality of early cabbage and beets are reported. Although more rain is required for good size, an average blue berry crop is anticipated. Due to dry weather, strawberry yields are down. In eastern Nova Scotia, fine weather has been prevalent during July. As a consequence of good haying conditions, 60 to 70 per cent of the hay crop has been harvested with good yields reported. Heavy rain a week ago was beneficial for vegetables, pastures and grains. Vegetable crops look promising considering the dry weather conditions. Strawberry yields are average and picking is continuing. The Annapolis Valley reports that rains during the weekend eliminated the drought symptoms of corn, grain and potatoes. Winter wheat and rye are maturing rapidly and spring grains are in head. A large percentage of hay has been harvested with good haying conditions reported. Dykeland haying should be completed this week. Aphids are in grain crops although not too serious to date. The tobacco crop looks promising. In the Kentville region, crop growth is average and hay harvesting has been 90 per cent completed with average yields. More moisture is required for further plant growth. Codling moth which has been increasing in recent years is now satisfactorily controlled in most apple orchards. Phytophagous mites are low except the apple rust mite which has reached damaging proportions for the first time in some apple orchards. Damage to apples by stinging bugs is lighter than usual but the green apple bug which was a serious pest in the thirties has caused injury in a few instances lately. In general, tree fruit crops are in good condition. Blueberry crops have been treated in one area against a casebearer beetle and generally against the blue maggot. Reports from the Truro area indicate that the weather is warm and fairly dry. Haying is nearly completed and the crop is of average quality. Strawberries have passed their peak of production and a fair volume is still being harvested. Blueberries are beginning to ripen and an average crop is anticipated. Potato growth is making satisfactory progress but vegetables are making slow growth due to lack of moisture. Pastures are about average and moisture is required for optimum growth. In the Amherst area haying operations are progressing favourably. There have been two good rains and crops are promising.

At Fredericton, New Brunswick, haymaking operations are well advanced and the crop is being stored in excellent condition; yields are below average. During the past month grain and potatoes have made excellent growth. The corn crop is variable and generally below average. The moisture supply is adequate and hot weather during the past week has promoted the growth of all crops, particularly corn and potatoes. Early grain is in head and other grains are making satisfactory progress. Early potatoes are expected to be on the market in about two weeks, and the remainder of the crop is making adequate growth. The strawberry supply will end in about one week. Pastures are good as a result of warm weather and frequent showers. The aphid activity on potatoes is high and mosquitoes and black flies are persistent.

### QUEBEC

Reports from the Saint Jean area indicate that the strawberry crop is almost completely picked; with extremely heavy production reported. Fungicide sprays have minimized losses due to mould growth and have improved yields considerably. Due to dry, hot weather during the last two weeks, the corn, bean, and other vegetable crops in southeastern Quebec are reported to be progressing quite well. On the other hand, hail on July 12 has caused considerable damage to the lettuce, cucumber, bean and tomato crops in the St-Remi and St-Edouard regions. Furthermore, it is estimated that, due to abundant and frequent rains in the district during June, about 60 per cent of the pea crop was not put in in the lower-lying areas. The potato harvest began on July 10, with yields reported to be quite good.

The Lennoxville region has been experiencing temperatures below normal. Several violent storms have been reported to have caused some damage to hoed or cultivated crops. Nevertheless, cultivated pastures are in excellent condition. Grass silage making is just about finished; haymaking, on the other hand, is only about one-half completed. Heavy stands of clover, especially in newly-developed lands, are producing satisfactory hay yields. Similarly, strawberry yields are also reported to be satisfactory, despite the fact that only about one-half of the crop is picked. However, the below average temperatures are retarding cereal crops.

Reports from the La Pocatière region indicate that the good weather is permitting rapid haymaking. Eighty per cent of the hay put up is of good quality with normal yields reported. Despite drought conditions, early-seeded cereal crops are headed and appear quite promising. However, pastures have been affected by the prolonged dry conditions. Likewise, the turnip and potato crops have also been affected.

The Normandin region reports slightly cooler than usual temperatures since the beginning of July, with 1.75 inches of precipitation. Haymaking is progressing well with yields quite good. Pastures are also reported to be good and cereal crops are promising. Up until today no cereal diseases have been noted.

### ONTARIO

In Essex county of southern Ontario nearly all crops are suffering from excess moisture that fell during July 17 to 19. Winter wheat is ripe but fields are too wet to combine and as a result the crop is sprouting. Harvesting of peas is nearing completion and yields have varied from poor to excellent. Early potatoes have produced an average yield but the quality has been lowered due to disease. Picking of early tomatoes has commenced. On Pelee Island dry weather is also required to facilitate harvesting of fall wheat. Corn and soybeans have made a good stand and are making normal growth except in low lying areas which were damaged by excess moisture. Hot, humid weather in Kent county has encouraged growth of most crops but has caused sprouting and rust in winter wheat. Harvesting of wheat is almost ready to commence but recent rains have caused extensive flooding. Harvesting of peas is well underway. Infestation by the first brood of corn borer is widespread.

Harvesting of winter wheat will soon commence in Middlesex county but a number of fields are showing damage from disease and lodging. Spring grains are reported as varying from fair to excellent. Haying operations are almost completed. In Norfolk county warm, humid weather has promoted rapid development of most crops. Growth of corn has been excellent but the crop is still behind schedule. Spring grains are suffering from excessive heat and late-seeded fields look poor. Wheat and rye are ripening quickly and harvesting should commence this week.



Harvesting of the first crop hay is nearly completed and growth of the second crop looks good. Vegetables are growing rapidly. Hot, humid weather has also favoured crop development in Lincoln county. Harvesting of snap beans is underway and picking of early tomatoes will begin soon. Yields of early potatoes have been good. Picking of sweet cherries has commenced and recent dry weather has prevented splitting. Aphids are reported to be prevalent on tomatoes and peppers and leaf scorch has appeared on peas due to a combination of red mites and hot weather. On poorly sprayed orchards the population of pear psylla is reported heavy.

In Simcoe county of Western Ontario conditions are dry but crops have responded to the recent warm weather. Winter wheat is ripening and early-seeded oats and barley are well headed. The corn crop, however, is still behind schedule. Haying operations are about 85 per cent completed although much of the crop remains to be stored. In Bruce county spring grains are about 60 to 70 per cent in head on short straw. Winter wheat has mostly turned but there is some evidence of root rot. Corn varies from two to three feet in height. About 65 per cent of the hay crop has been baled. Pastures are in good condition. In Waterloo county above average temperatures during the past week have speeded up development of the corn crop and caused rapid ripening of winter wheat. Rain would be beneficial in all areas of the county. Haying operations are nearly completed and average quality is reported. Hot, dry weather in Wellington county has brought about rapid growth of corn. Fall wheat is turning and most spring grains are well headed. Conditions for haying have been excellent and most of the crop is now harvested. A general rain would be welcome. Hot, dry weather in Halton county has caused premature heading of oats and curling of corn leaves is also noticeable. However, haying conditions have been excellent and about 90 per cent of the harvest is completed. Combining of winter wheat will be under way very soon. Yields of strawberries were below normal. Good rains are now needed for all crops and to improve pasture growth.

Continued dry weather in Durham county of central Ontario has hindered development of corn, spring grains and vegetables. Picking of strawberries is completed but yields were disappointing. Some hail damage occurred to apples on July 11. Excellent progress has been made with haying operations. In Peterborough county temperatures have been above average and rainfall has been less than one-half inch during the past two weeks. Early-seeded corn and grain look good with corn tassling and grain headed. Haying operations are 90 per cent completed and above average yields and average quality are reported. Rain would be welcome.

In Leeds county of eastern Ontario dry, warm weather during the past two weeks has promoted rapid growth of all crops, but more hot weather is required for late-seeded corn. Haying operations are nearing completion. In Carleton county spring grains and corn show great variability and yields of these crops will be seriously affected by late planting. Harvesting of hay is nearing completion and much of the crop was stored without rain. However, the hot weather advanced maturity too far in many areas. Pastures continue in excellent condition. In Renfrew county hot, dry weather has aided haying operations and promoted growth of most crops. Corn is now in need of moisture. Hay yields were above average and the quality is reported as good.

Hot, humid weather during the past two weeks is also reported from Kapuskasing in northern Ontario. However, a few well-distributed rains occurred in this area and as a result, crops are showing excellent growth. Haying operations are proceeding with some difficulty due to poor drying conditions. Early-seeded grains are headed and yields look promising. Pastures are in good condition. Haying operations are making

good progress in the Thunder Bay district with both average yields and quality reported. Spring grains are headed and good yields are anticipated. Potato growers are expecting above average yields. Pastures and livestock are in excellent condition.

#### MANITOBA

Warm weather has advanced crops rapidly in Manitoba. Scattered showers proved beneficial in the Interlake area and in the northwest and southeast of the province but hampered haying activity in all districts. Conditions are too wet in the central and southwestern parts of the province and from Carman to Stonewall. Early sown crops are generally promising while late crops are variable. Early potatoes, flaxseed, rapeseed, buckwheat and peas are in blossom. The corn is late. Haying is general with light yields and good quality reported.

At Vita in southeast Manitoba early-seeded crops are excellent but late-sown fields which are in the shot blade stage are only fair. Recent warm weather has improved the appearance of the crops. Haying is general but only 15 per cent of the crop has been harvested with fair to good yields reported. At Morden moisture conditions are excellent and cereal crops are heading out very well under ideal growing conditions. Growers have started to harvest canning peas this week while early-seeded potatoes are in blossom. Both canning and field corn, is two to three weeks late. Sunflowers and buckwheat are progressing very well and the second hoeing of sugar beets is nearly finished. Frequent showers continue to delay haying operations and much of the summerfallow has not been worked due to wet soil conditions.

At Somerset more rain fell on July 21. Poorly drained fields are waterlogged and some flax crops are being abandoned because of weeds, volunteer grain and excess moisture. Summerfallow is in very poor condition with some fields not having been worked this season. Due to the excess moisture chemical weed controls have been almost impossible the last month. However, early crops are in head.

At Beausejour east of Winnipeg early sown cereals are now in head and early sown flax is in blossom. As a result of the wet spring weather weed growth is heavy in many crops. Haying is in full swing but showers and high humidity are hindering the drying of the crop. With excessive moisture some poorly drained fields are showing deterioration in crop conditions. Cereals in the Selkirk district have started to head and conditions at present are very good. No excessive amounts of moisture have been experienced although scattered showers held up haying operations last week. Hay yields are quite good and combining of grass seed crops should be under way within a week. Crop spraying has been completed and work on summerfallows is general in the district. At Stonewall crops are progressing favourably although there is much variation due to weather conditions. Weed growth is very heavy particularly Canada thistle and wild mustard. Week end rains delayed haying operations but tame hay yields are turning out from good to excellent while wild hay is only fair.

Weather conditions remain favourable in the Brandon district and crop growth is rapid with the heading of cereal crops now general. Fall rye is showing rank growth but promises a good yield. Buckwheat and corn are improving and pastures are very good. Showers are still interfering with haying activities.

Reports from Neepawa indicate warm weather and more rainfall during the past week. Many cereal fields are now in head but late crops are common in the district. Otherwise conditions are generally good. The rye crop is filling and rapeseed is now in blossom. Field peas are progressing well while flax is developing slowly. Haying has been delayed because of poor drying conditions. At Shoal Lake crops are progressing favourably. Rain on Friday brought from one-quarter to one inch of rain and there was a small hailstorm but no damage. Most cereals are headed out and



most crops are in flower. Haying will begin this week, weather permitting, and it is expected that the crop will be below average.

In the northwest at Dauphin early cereal crops are producing good stands but late-sown crops on stubble are only poor to fair with the effect of the decreased use of fertilizer apparent on stubble fields. District farmers put up a considerable amount of hay last week and a good second growth of alfalfa is also reported. Moisture conditions are satisfactory in the district.

The Canadian Hail Underwriters' Association reports the following hail storm: July 18, Lenore and Swan River areas.

The unweighted average precipitation for the province since April 1 has been 0.2 per cent below normal in contrast to 0.3 per cent above normal a week ago, 2 per cent above normal two weeks ago and 19 per cent above normal one year ago. Mean temperature for the week ending July 21, 1969 was 3.3 degrees below normal in contrast to 1.0 degree above normal and compared with 8.8 degrees below normal two weeks ago and 2.6 degrees below normal for the week ending July 22, 1968.

#### SASKATCHEWAN

Grain crops made excellent and rapid growth this past week throughout Saskatchewan, as a result of light to heavy rainfall, combined with warmer temperatures. The appearance of all grains is now quite favourable, including the drier regions in the northeast part of the province, which benefited most by recent precipitation. However, the stage of crop development remains a week to ten days later than normal. A good stretch of warmer weather will be required to advance the crop to its full potential.

In the southeast part of the province at Yellowgrass moisture conditions are excellent and all crops look promising but are ten days later than normal. Wheat and coarse grains are 50 per cent in head. Summerfallow land shows substantial weed growth, and control operations have been delayed by frequent rains. Pastures are in good condition but haying operations have been brought to a standstill. To the north at Fillmore crop conditions are very good as a result of nearly one inch of rain received during the past week. Early crops are exceptionally heavy, particularly barley, and some lodging occurred during the weekend. Early-sown fields of flax are very good, although late flax is quite weedy. Pastures are in good condition and tame hay is making an excellent second growth. Gardens have greatly improved. Crops continue to make excellent progress in the vicinity of Indian Head. Scattered showers and higher temperatures have promoted rapid growth. Ninety per cent of the wheat is headed with the earlier crops in the bloom stage. Wheat is 24 to 28 inches high and showing green lush colour. Flax is just starting to bloom and is 8 to 10 inches high. Good progress has been made with summerfallow operations and in controlling a very heavy weed growth. Haying is in full swing but is slow at times due to heavy dew and scattered showers. Pastures have made a good recovery and livestock continue in good condition. No insect damage has been reported in the area and there are no signs of rust as yet.

In the south-central region at Gravelbourg crop conditions are good with some 90 per cent now in head. An average of 0.4 inch of rain was received in the past week. The long straw in grain crops may be a problem this year as some of the crop is now beginning to lodge. Hay crops are being cut, with an average yield reported.

In the southwest part of the province at Swift Current weather conditions are good and average yields are anticipated. Haying operations are practically completed but the crop was light this year. Summerfallow operations are progressing favourably. Pastures have greatly improved and livestock are in good condition. To the northwest at Leader crops are maturing well in the presence of favourable weather. The height and stands indicate that an average, or better than average yield may be expected. Flax is in bloom and stands look very good.

In the east-central part of the province around Melville crops are looking the best in years. Most cereal crops are now in the flowering stage. Haying is about 40 per cent completed and yields of alfalfa and clover are good. Rainfall to date has been 5.8 inches compared to 4.2 inches for the same date last year and the long-time average of 6.6 inches. Farther north at Endeavour wheat crops are in head and a large percentage is in bloom. However, stands are thin and short. Coarse grain crops range from good to very poor and it is expected that much of the poor growth will be cut for hay to supplement the very thin hay crops. Pastures are in poor condition because of limited moisture supplies.

Slightly over one-half inch of rain has greatly benefited filling of grains at Craik in the central part of the province. Prospects have increased for a better than average harvest. In the Saskatoon area crops are looking very good with cereals 90 per cent in head. Wheat on summerfallow land has shown excellent progress and is some 30 inches in height. Generally, crops on stubble land are not as good. Rapeseed and mustard seed have started to pod and aphids are causing some minor damage. Although light showers received during the past week were beneficial, a good rain is required to fill the heads and rejuvenate pastures. Land in summerfallow is reported to be looking very clean for this time of year.

At Rosetown in the west central region one-third of an inch of rain on July 20, coupled with warm weather this past week, has improved the height of crops considerably. Crops on summerfallow are showing good height and are in bloom and looking very good. Some of the fall rye will soon be harvested. Summerfallow fields are being worked for the third time. Haying is now in full swing but some very poor stands of hay are being taken off. Pastures have improved considerably this past week. Farther north at Scott crops are developing well in spite of the fact that only small traces of precipitation were received since the last report. All crops are now in head and in the flower stage, but will need more moisture to maintain growth and fill the heads. Aphids have been reported on rape crops in several localities, and the extent of the total area affected is unknown. Pastures are drying up fast, but the bulk of the hay has now been harvested.

In the northeast part of the province at Melfort over one inch of rain was received since the previous report, and has promoted good growth of all crops. Rape and mustard crops are in full bloom and stands are looking very good. Wheat and coarse grains, however, are shorter and later than normal, and present prospects are for fair to good yields on summerfallow. Fall rye appears to be filling satisfactorily. There is no evidence of disease or insect pests. Pastures are slowly improving.

The Saskatchewan Municipal Hail Insurance Association reports the following hail storms: July 12 at Marengo and Brock; July 14 at Ogema; July 15 at Constance, Coronach, Big Beaver and Ganuck; July 17 at Fife Lake, Glentworth, Shaunavon, Ponteix, Aneroid, Limerick, Assinibois, Willow Bunch, Readlyn, Viceroy, Khedive, Weyburn, Truax, Shamrock, Morse, Herbert, Lucky Lake, and Loreburn; July 18 at Spy Hill.



In addition, the Canadian Hail Underwriters Association reports the following hail storms: July 15 at Coronach and Climax; July 17 at Lucky Lake to Bladsworth, Kels-tern, Shaunavon, Ponteix, Limerick, Verwood, Truax, and Trossachs areas; July 20 at Handel, Eston, Tompkins, St. Benedict, and Quill Lake areas.

The unweighted average precipitation for the province since April 1 has been 10 per cent below normal, compared with 12 per cent below normal a week ago, 20 per cent below normal two weeks ago, and 26 per cent below normal a year ago. Mean temperature for the week ending July 21 was 4.4 degrees below normal compared to 0.7 degree below normal a week ago, 5.1 degrees below normal two weeks ago and 4.9 degrees below normal for the week ending July 22, 1968.

#### ALBERTA

Above average rainfall for July in almost all centres in the province resulted in good to excellent soil moisture conditions. Crop conditions are also generally good. Only in the east of the Peace River District is there a deficiency of moisture which is impeding crop growth over a significant area. Cereal and oilseed crops have generally recovered well from the drought and frosts in June. Isolated reports of hail damage are limited to the area south of Calgary and also in the St. Paul area. In the southern half of the province haying is reported as from just started to 100 per cent completed. It is apparent that a potentially heavy crop was widely damaged by wet weather while on the ground. In the more northerly areas haying is reported from 40 to 70 per cent completed but the crop is generally lighter and several areas were substantially reduced by lack of rain before late June. Special crops in the south of the province are reported to be in good condition but could benefit from warmer weather to take advantage of the excellent moisture condition in this area. Reports of insect damage in field crops have been limited to rapeseed in the Peace River District.

At Manyberries in the southern part of the province a tremendous growth was reported over the past week, with wheat 28 inches in height. Winter wheat will be swathed next week and should average 20 bushels per acre. Rye is also being swathed but will be used for feed. A good rain is needed to fill crops. Livestock are doing well with grass and water both plentiful. At Medicine Hat most cereal crops are well headed and filling with many good fields of barley and wheat. Scattered hail damage Sunday afternoon affected several thousand acres in the Rainier and Rolling Hills area. Haying is still under way and fall rye is maturing rapidly.

In the southwest around Lethbridge cereal crops are continuing to make excellent progress after timely rains of last week and subsequent hot weather. Swathing of winter wheat has started. Open ranges are in excellent condition. Corn yields are expected to be poor. Fairly extensive damage to rapeseed crops by alfalfa looper is reported in the Barons and Claresholm areas. At Cardston haying is 85 per cent completed with a good yield. Fall wheat and early barley are ripening rapidly and conditions generally are very good. Livestock are in good condition as pastures are excellent. Continuation of warm, dry weather is needed to advance crop growth. At Claresholm warm, dry weather would be most welcome as all crops are headed out and are most promising. Some hail to the area along the Foothills is reported. A good hay crop is just about completed and winter wheat and rye are turning and will be swathed around August 1.

In the south-central part of the province around Vulcan hail occurred last week with damage from 25 to 50 per cent in some areas. Warm weather during the past week has hastened growth and maturity of the crops. Eighty per cent of the cereal crop was headed out and fall rye will be swathed this week. There is adequate moisture for better than average crops.

In the southwest-central region around Calgary three-quarters of an inch of rain this past week rapidly advanced crops under ideal growing conditions. Haying is 70 per cent completed and cereal crops 50 per cent headed. Unsprayed fields of cereals are heavily weed infested. Summerfallows are in fair condition. At Olds grains are making satisfactory progress. Haying is under way but yields are light. General conditions are good.

At Sedgewick in the northeast-central part of the province crops are about two weeks behind normal but received another inch of rain this week. Growing conditions are very good but there are some reports of light hail damage in the area. Haying is well under way with yields reported 20 per cent below average. Vermilion has received 2.7 inches of rain in the past week. Cloudy and cool weather is slowing down the progress of crops. A week of warm weather is needed to advance crops. Wheat and rape crops are generally good but oats and barley are only fair.

In the central part of the province at Stettler early barley is headed and wheat is in various stages from shot blade to heading. Wheat heads are small but filling well. Crops are thin and uneven and a much below average yield is expected. Haying has started in the area but yields are very light. Some hail damage occurred in the district varying from 10 to 100 per cent.

At Edmonton in the northwest central region rainfall averaged from one-third to one inch in the last couple of days. Crops are from 12 to 18 inches high and appear 10 days behind normal. Moisture and warm weather are needed in most areas.

At Red Deer in the west-central part of the province intermittent heavy rains have held up field work considerably. Crops are generally well headed and spraying is nearing completion. Harvesting of a light hay crop has started but due to heavy rains is being delayed. Hail is reported in small pockets. Farmers are busy summer-fallowing. The Research Station at Lacombe reports that one inch of rain during the past week has further improved the crop outlook. Early cereal grains are well headed and hay and pastures are improving.

At Colinton heavy rainfall in the area on July 18 and 21 has stopped the deterioration of crops due to lack of moisture. However, in many cases rain came too late to help crop growth and stooling but will help to fill out grains. Hail in some areas has caused from 5 to 50 per cent damage on isolated fields. All crops are now headed and in the blossom stage. Second cut of hay is expected to give higher yields than the first cut if the moisture level is maintained. A large quantity of last year's high moisture grain has been lost due to heating during the hot days in July.

At Beaverlodge in the Peace River area good rainfalls at the end of June and beginning of July followed by warm weather the third week of July have brought crops along well. All cereal crops are well headed and flax and rape are in full bloom indicating an average yield at this time. Haying is completed with a light crop harvested. The outlook for fescue and brome seed crops is expected to be below average.



Cereal crops and rape at Peace River look fair but are late. The condition of forage seed crops is undetermined at this time but hay is very late and poor. At Fort Vermilion a general rain over the week end of four-tenths of an inch provided some moisture for crops and warm weather is bringing on rapid growth. Wheat is starting to head out. Rape is generally in bloom to early pod stage while flax is in the late pod stage. Barley crops have headed but oat crops are generally late and are only in the early head stage. Crop density and height is slightly above average but more moisture will be needed to bring them along. Haying is under way but being interrupted by light rains.

The Alberta Hail and Crop Insurance Corporation reports an afternoon storm on July 17 beginning northwest of Granum and moved southwest over Granum and Pearce to Lethbridge. Losses ranged from 10 per cent to 100 per cent. An evening storm beginning at Bashaw moved southwest over Red Willow to Gadsby causing severe damage in a strip three miles wide; July 20, a series of severe storms over central and southern Alberta caused heavy damage 10 miles south of Orion, moved east through Big Valley and Byemore with severe damage from hail and high winds reported from Elnora and from between Big Valley and Byemore. A storm just east of Scandia through Rolling Hills to Medicine Hat caused heavy losses at Scandia from golf-ball sized stones. The Canadian Hail Underwriters' Association reports storms on July 17 at Lethbridge and Claresholm.

The unweighted average precipitation for the province since April 1 has been 8 per cent below normal compared with 12 per cent below normal a week ago, 5 per cent below normal two weeks ago and 2 per cent below normal a year ago. Mean temperature for the week ending July 21 was 4.6 degrees below normal compared with 2.3 degrees below normal a week ago, 4.1 degrees below normal two weeks ago and 6.3 degrees below normal for the week ending July 22, 1968.

#### BRITISH COLUMBIA

Reports from Victoria indicate hot and dry weather. About one-half inch of rain is reported for July. The yield of loganberries is expected to be about 50 per cent of the 1968 crop mainly due to low winter temperatures and the hot dry summer. Dry land pastures are also poor. Early potatoes are being harvested with an indication of good yields. The prospect for late crop potatoes are also good. Pea harvesting is well advanced with an indication of average yields. Raspberry harvest is nearly completed with good yield and quality indicated. The harvesting of second cut hay is also well advanced. Pastures and corn crops are generally in good condition.

In the Kamloops district, range conditions are very good with a second cut of hay being harvested in many areas. A lot of poor first cut hay is evident in the district due to heavy June rainfall. Silage corn crops are excellent and some grass silage is being made.

A report from Summerland indicates a warm May and hot June weather conditions which have resulted in good fruit sizing by about two weeks earlier than normal. Cherry and apricot crops are finished and the harvesting of early apples are now in full swing. The apple crop is not large but the fruit size is above average. Field cucumbers and tomatoes are now moving freely.

At Creston, high temperatures and precipitation have hastened the growth and maturity of grains and forage crops. Spring grains are headed out. Pasture growth is good and second cut alfalfa is excellent. The yield of small fruits was lowered

by excess moisture at the time of picking and the yield of cherries are reduced by splitting. Apples and pears are sizing well.

At Prince George in the central interior, mild weather has been evident for the past two weeks and the Robson Valley is experiencing frequent rain showers which is holding back forage harvesting. Forage crops are over-ripe in this area. In the Prince George and Vanderhoof areas the harvesting of hay and silage is under way. If sufficient moisture materializes good grain and forage crops are expected. Barley is starting to ripen and oats is heading out. Forage crops on the average are expected to be about 60 per cent of the 1968 crop. At Smithers hay yields are poor on droughty soils but were harvested under ideal wind-drying conditions. Late seeded grain crops are suffering and prematurely heading. Some haying is still in progress but operations are generally completed. Army worm and grasshopper infestations are reported in some areas.

At Fort St. John, adequate moisture conditions have prevailed in this district with 80 per cent of the wheat, 70 per cent of the barley and 60 per cent of the oats in the bloom stage. Wet and moist soil conditions have delayed the growth of crops north of St. John. Rapeseed and flax are in full bloom. Grass seed crops are short with second growth evident. Low hay yields are expected.



Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending	
		Week ending 8 a.m. July 21, 1969	Total since April 1	Normal since April 1	8 a.m. July 21	
			inches		1969	Normal
					degrees F.	
<b>MANITOBA</b>						
1	Boissevain	.75	8.07	8.37	65	68
	Pierson	.07	9.16	7.91	64	69
	Waskada	.55	6.77(2)	N.R.	64	N.R.
2	Baldur	N.R.	7.24(2)	8.50	N.R.	69
	Pilot Mound	.59	9.16	8.24	65	68
3	Altona	.15	6.39	7.62	67	70
	Deerwood	.61	9.48	8.20	66	71
	Graysville	.44	9.59	7.67	67	69
	Morden	.38	7.60	8.26	68	71
	Morris	.15	8.14	7.73	67	71
	Portage la Prairie	.16	10.13	9.49	66	71
	Roland	.45	8.45	8.00	66	70
4	Stonewall	.61	8.69	8.52	65	69
5	Emerson	.05	7.78	7.92	69	70
	Steinbach	.42	6.87	8.10	66	69
	Winnipeg	.50	9.74	8.09	66	69
	Starbuck	.28	9.95	8.10	66	69
6	Seven Sisters Falls	.09	6.04	8.06	65	69
	Great Falls	.40	4.11	6.24	67	69
	Sprague	.48	9.33	8.49	65	67
7	Rivers	1.09	10.06	8.55	64	68
	Virden	.58	9.08	7.98	66	69
8	Brandon	.52	9.47	8.56	63	68
	Cypress River	.18	10.98	8.26	66	69
9	Gladstone	1.00	8.95	8.50	N.R.	68
10	Birtle	.35	7.91	8.38	64	66
	Rosburn	.14	5.83	7.77	63	66
	Russell	nil	6.39	6.85	65	66
11	Dauphin	.05	7.36	8.41	65	69
12	Arborg	N.R.	5.47(2)	8.10	N.R.	67
	Gimli	.21	6.29	8.22	65	69
	Steep Rock	N.R.	.46(2)	N.R.	N.R.	N.R.
13	Swan River	.48	5.98	7.74	64	67
	The Pas	.28	3.88	6.70	63	67
MANITOBA AVERAGE		.39	8.03	8.05	65.4	68.7

**SASKATCHEWAN**

1A	Carlyle	.42	10.36	7.37	64	67
	Estevan	1.14	9.03	7.61	66	69
	Oxbow	N.R.	6.61(2)	6.98	N.R.	67
	Willmar	1.07	10.42	8.02	N.R.	N.R.
1B	Broadview	trace	8.09	8.15	63	66
	Moosomin	.10	11.74	8.30	62	68

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 21	
		July 21, 1969	April 1	April 1	1969	Normal
			inches		degrees F.	
<u>SASKATCHEWAN - Continued</u>						
2A	Yellow Grass	1.24	6.58	7.34	64	68
	Weyburn	2.57	8.18	7.21	64	67
	Midale	.90	7.84	7.07	65	68
2B	Moose Jaw	2.38	7.75	6.89	63	69
	Regina	.73	5.82	7.18	63	67
	Francis	.20	8.29	6.77	61	66
	Indian Head	.43	5.58	6.95	63	67
3AS	Ormiston	.32	4.42	7.55	64	68
	Cardross	.99	8.03	7.44	62	68
	Ceylon	1.30	8.91	7.48	64	66
	Chaplin	1.54	6.04	6.42	61	68
3AN	Gravelbourg	N.R.	7.66(2)	6.22	N.R.	68
3BS	Shaunavon	1.10	9.61	6.49	62	66
	Pambrun	1.08	9.90	7.03	61	68
	Aneroid	1.31	9.02	6.16	62	67
	Instow	.52	8.15	6.65	62	67
3BN	Swift Current	.93	6.66	7.12	62	67
	Pennant	.06	4.64	6.63	N.R.	68
	Hughton	.30	4.61	5.91	63	68
4A	Maple Creek	.95	6.38	6.07	65	68
	Consul	nil	4.05	5.10	57	66
4B	Abbey	N.R.	4.91(2)	6.16	N.R.	68
	Leader	.57	5.85	5.74	64	69
5A	Cupar	.45	3.86	6.89	63	68
	Balcarres	N.R.	4.49(2)	7.46	N.R.	N.R.
	Lipton	.21	7.58	N.R.	62	N.R.
	Melville	.65	5.43	7.60	63	66
	Yorkton	.83	5.14	7.20	65	66
	Bangor	.16	6.71	7.85	64	66
5B	Wynyard	.59	4.24	6.91	64	66
	Foam Lake	.53	4.58	7.00	64	66
	Kuroki	1.15	3.57(2)	7.34	62	65
	Kamsack	.71	5.31	6.73	64	66
6A	Davidson	.64	6.73	6.94	62	66
	Strasbourg	.45	3.39	7.50	60	66
	Watrous	.91	4.79	6.45	64	67
6B	Harris	N.R.	3.59(2)	5.88	N.R.	68
	Outlook	.04	4.65	5.79	65	69
	Rosthern	.11	4.75	6.10	63	67
	Saskatoon	.10	5.44	5.64	62	68
	Elbow	1.35	6.96	6.82	62	67
	Tugaske	.87	6.32	7.20	62	67
	Dundurn	nil	2.93	5.89	64	68
7A	Alsask	.31	4.14	5.28	63	68
	Kindersley	.37	5.06	5.08	62	68



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. July 21, 1969	since April 1	since April 1	July 21	
			inches		1969	Normal
					degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
7A	Rosetown	.24	6.38	6.15	62	67
7B	Macklin	.05	4.70	5.79	60	66
	Denzil	.04	4.93	5.90	61	66
	Scott	.06	4.71	6.08	60	65
	Biggar	.37	5.22	6.00	62	67
8A	Hudson Bay	.32	3.48	7.31	62	65
	Prairie River	1.06	2.94	7.70	61	65
8B	Humboldt	.63	4.21	6.21	63	65
	Melfort	.96	3.21	6.75	62	66
9A	North Battleford	.24	4.47	5.86	61	67
	Victoire	.28	4.53	6.45	61	63
	Prince Albert	.73	4.15	6.42	61	66
9B	Waseca	.40	4.54	6.62	61	65
SASKATCHEWAN AVERAGE		.64	6.06	6.71	62.5	66.9
<u>ALBERTA</u>						
1	Empress	.68	7.35	5.72	65	N.R.
	Foremost	nil	4.17	6.20	64	68
	Manyberries	N.R.	3.59(2)	5.88	N.R.	68
	Medicine Hat	1.44	3.74	5.82	66	70
2	Brooks	.29	4.24	5.67	64	68
	Gleichen	.38	6.00	7.08	60	66
	Hays	.59	4.87	5.57	63	69
	Rainier	.72	4.46	5.96	65	68
	Vauxhall	.34	5.92	5.62	63	67
	Raymond	nil	7.56	6.79	61	68
	Lethbridge	1.15	8.62	7.34	62	67
	Trochu Equity	N.R.	.65(2)	6.84	N.R.	65
	Queenstown	.61	7.70	7.39	61	66
3	Calgary	.56	10.18	8.32	58	64
	Cardston	trace	10.27	8.48	60	65
	Pincher Creek	nil	12.33	9.07	59	64
	Fort MacLeod	.06	10.10	8.37	62	68
	High River	.18	12.33	9.15	56	62
	Magrath	nil	9.29	8.57	58	66
	Olds	N.R.	7.54(2)	8.76	N.R.	63
4	Alliance	1.08	5.31	6.28	59	65
	Coronation	.92	4.91	5.93	60	65
	Hughenden	.52	5.66	6.32	61	66
	Lloydminster	.72	5.45	6.15	61	65
	Stettler	1.50	8.41	7.15	59	65
	Vegreville	2.05	5.19	6.61	61	65
	Ranfurly	1.26	4.99	7.01	59	64



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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 21, 1969	since April 1	since April 1	8 a.m. July 21	
			inches		1969	Normal
						degrees F.
ALBERTA - Concluded						
4	Vermilion	1.78	5.72	6.14	58	63
5	Edmonton	1.37	6.01	8.27	58	64
	Lacombe	1.01	5.71	8.82	59	64
	Red Deer	1.16	8.01	8.10	59	64
	Rocky Mountain House	.97	10.55	9.70	57	62
	Wetaskiwin	1.48	6.27	8.27	60	64
6	Campsie	N.R.	4.28(2)	8.32	N.R.	61
	Edson	.26	7.84	9.12	56	59
	Elk Point	.50	5.07	7.05	59	63
	Lac la Biche	1.17	7.45	6.85	55	64
	Whitecourt	.54	4.30	8.43	56	61
7	Beaverlodge	.03	4.39	6.26	58	61
	Fairview	.51	4.95	6.38	59	61
	Ft. Vermilion	.08	4.55	5.13	61	62
	Grande Prairie	.38	4.46	6.32	59	61
	High Prairie	.83	3.84	7.10	57	62
	Peace River	.30	3.33	5.17	58	61
	Rycroft	N.R.	4.01(2)	6.46	N.R.	61
	Wagner	1.66	5.15	6.26	57	62
ALBERTA AVERAGE		.71	6.50	7.09	59.8	64.4

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.