

22-002
no. 9
1971
July 7
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DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Industry, Trade and Commerce

Price: \$4.00 for series of 20 Crop Reports

Field Crop Reporting Series — No. 10

TELEGRAPHIC CROP REPORT — CANADA

This is the third of the 1971 series of six telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the sixth 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

Maritimes. — Farmers in Prince Edward Island have just started haying operations. Very little has been done so far. Grain crops generally look good although there are some problems due to the very cold weather last month. The potato crop appears reasonably good although there are some misses due to the cold, wet weather. Strawberry growers are beginning to pick their crop with quite good prospects reported. Pastures remain excellent. Farmers in Nova Scotia have been haying and putting up silage for the past two weeks. The crop is very good due to the high rate of winter survival followed by abundant moisture during the spring. Pasture conditions are also better than average. Corn and cereals appear reasonably good considering the late seeding; more heat is required for these crops. Some vegetable growers report poor germination and the relatively cool, damp weather in June has delayed growth which may mean that crops will be somewhat later than usual. Strawberries are developing quite well with a good blossom reported. Picking is now underway. Blueberries look very promising also. In New Brunswick early potatoes are in full bloom and the tubers have set. The main crop varieties are developing well and fields look excellent. Apple crop prospects are good as a result of adequate precipitation. In most districts a good set of fruit is reported on blueberries. Strawberry harvesting is now at the peak with good yields and quality reported.

Quebec. — During the last three weeks day temperatures have been normal but night temperatures have been colder than usual. Dry weather has been experienced in most parts of the province. As a result, soil moisture reserves are low and crop growth is being adversely affected. Hay making is progressing in the central and southern regions of the province; hay yields vary from fair to good and the hay is generally of good quality. In the other parts of the province, hay-making should begin soon. Because of the prevailing dry conditions, cereal crop production should be lower than anticipated. Pastures are also being affected by the dry weather;

Agriculture Division
Crops Section

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consequently, dairy production is presently slightly below normal. Corn seeded early in the season is developing well; however, in certain areas of the province "stem-beetle" damage is being reported. Potatoes and other horticultural crops look promising. Orchard production should likewise be good and the control of scab is progressing well. The strawberry harvest in the regions of Trois-Rivières and l'Assomption is about fifty per cent completed; in the Quebec region the harvest is less advanced with lower volumes expected. With respect to raspberries, a below-normal crop is expected. In l'Assomption region, tobacco crops are progressing well despite some storm and frost damage at the end of June. Rain in the near future should benefit crops in all regions.

Ontario. — Extremely hot weather has been widespread throughout Ontario during the past 7 to 10 days. Where moisture is adequate, namely western, central, eastern and northern Ontario, growth has been excellent. Growing conditions in southern Ontario are generally not good due to lack of moisture. Corn and tobacco have been wilting late in the day due to the stress of heat. On June 28, the temperature in Chatham rose to 104 degrees, setting a new record for that area. Spring grains have started to head in most areas and winter wheat is turning. Haying operations are in full swing, although showers have caused delays in some areas, especially central Ontario. Strawberries are now in heavy volume in south-western Ontario while harvesting of early potatoes is just beginning in Essex County. Harvesting of asparagus will probably finish this week and early cabbage harvesting is falling off. Peaches have set and are sizing well while sour cherries are colouring up quickly. Tassels are showing on early sweet corn and tomatoes are advancing rapidly.

Prairie Provinces. — Further rainfall has occurred throughout most districts in the Prairie Provinces. Precipitation has been heavy in Manitoba with some damage to crops having been sustained and farm operations delayed. In Saskatchewan, on the other hand, although moisture conditions are generally good some areas are still in need of more rain. Conditions in northern Alberta are somewhat similar to those in Manitoba with instances of flooding and soil erosion reported. Farther south in the province, however, moisture is not excessive and although conditions are presently good, timely rains will be needed for continuing crop development. Where weather has permitted haying operations have started. Considerable acreages of cereals are in the shot blade stage and are heading in some southern districts. Rapeseed development is variable. As a result of the weather summerfallow operations and spraying have been hampered in many districts.

RUST REPORT

The Canada Department of Agriculture Research Station in Winnipeg reports that traces of wheat leaf rust were found in farm fields in southeastern Manitoba on July 5. Susceptible varieties in experimental plots had more rust but the infections were light. Cereal rusts are scarcer than usual for this time of year probably because there has been little inoculum. Conditions for rust development have been excellent but the crop is advancing rapidly and much of it should escape heavy infection. Wheat stem rust and the oat rusts have not been observed.

British Columbia. — Unsettled weather conditions over most of British Columbia continued to retard crop growth particularly in the case of those crops requiring high temperatures. There has been a full month of abnormally low temperatures accompanied by sharply reduced total sunshine. The Peace River Block has had heavy rains with some damage to grain stands reported and haying has been brought to a standstill.

In the Southern Interior delayed harvesting dates for cucumbers, tomatoes and sweet corn are reported although cole crops are about on schedule with fair to good yields being obtained.

Tree fruit crop prospects are generally favourable except for apples. Cherry picking in the South Okanagan is in full swing with good yields and quality reported and there has been very little hail or rain damage. Apricots are progressing favourably and it is anticipated that picking will commence by the middle of the month although yields below those of last year are expected. Growers at the coast are now digging the early potato crop with some loss due to cool weather. Lettuce and cabbage harvesting is well advanced after a later start but no carrots are expected before mid-month. Beans and sweet corn have been adversely affected by the cool weather. Conditions are similar on Vancouver Island. Berry crops are late with some losses from moulds on strawberries. Pasture growth is generally adequate in all areas.

MARITIME PROVINCES

Reports from Charlottetown indicate that warm, sunny weather is now required for normal crop growth and haying activities. Potato planting continued into the last week of June and the early-sown crop appears promising. Preliminary assessment indicates that the acreage for potato seed production will be somewhat lower this year than last. Farmers have just started haying with average or better than average yields anticipated. Pastures are excellent where fertilized, but corn for silage is growing slowly due to the cool, wet weather. The outlook for both grain crops and strawberries is promising. Berry picking has just started. The cherry crop on the other hand was poor and low yields are expected.

In the O'Leary district the continuing generally cold weather has delayed most crops but haying is now underway and good yields are expected. Weeds have taken a good hold and aphids are also a problem this year. Strawberries are now ripe and picking has started. Late-sown grain and late planted potatoes are not doing well.

The experimental station at Amherst, Nova Scotia reported ideal growing weather and crops are doing very well. Haymaking has started with a very good crop being harvested. The experimental station has put up five hundred tons of grass silage and 30 acres of second cut grass has been fertilized. In the Truro district the weather has been cool and damp for the past two weeks with considerable rainfall. Haying is well underway but considerable difficulties have been experienced due to the weather conditions; however, the crop is about average in volume. Strawberry growers are now picking the fruit with average yields reported. Red Stele disease is present in many areas. Other crops are growing well with adequate moisture. Reports from Kentville in the Annapolis Valley indicate that field crops are recovering from wet soil conditions and that more moisture is required on some soil types. An estimated sixty per cent of the hay has been harvested with the crop varying from average to excellent. Pasture conditions are fair and grains are heading. Field peas are in blossom. It is expected that the apple crop will be lighter this year as a result of mice injury, medium to severe winter damage to some varieties, spotty bloom and a light set. Apple scab is bad in some orchards but control is generally good.

In New Brunswick early potato varieties are in full bloom and tubers have set. The main crop varieties are developing well and the fields appear excellent. Lettuce, early cabbage, beets, peas, bunch onions and spinach are now reaching market in increasing volume. Strawberry picking is at its peak with good quality and better

than average yields are reported as a result of adequate moisture supplies. Growers are applying protective sprays to control mould. Apple prospects continue good and the fruit is sizing well due to the abundant precipitation. Most blueberry producing areas report a good set of fruit which is developing well. All other crops are making exceptional growth. The insect laboratory in Fredericton reports that insect activity is moderate with predators and parasites active.

In the Perth district, cool, dry weather which slowed down crop growth earlier has given way to recent showers and general rainfall. As a result, crops are making excellent growth with early potatoes in the bud stage. Spraying for weed and insect control is continuing while farmers are putting up silage and making hay with a good crop anticipated. Strawberry picking is just starting with an average yield expected.

QUEBEC

Reports on crop conditions were received from l'Assomption, Lennoxville, La Pocatière and Normandin.

In the l'Assomption region, tobacco growth has been retarded due to low temperatures after transplanting. On the whole, crops in the region will require irrigation sooner than expected.

The Lennoxville region has been experiencing high day temperatures but low night temperatures. Total precipitation during the month of June amounted to 2.84 inches. Soil humidity is very low; as a result, crop growth is retarded. Pasture conditions are average but growth is likewise retarded. Hay ensilage in the region is terminated. Haymaking on the other hand, is about one-third finished except in the Wolfe and Cookshire regions.

La Pocatière reports the driest month of June since 1914 (0.75 inches of precipitation). Despite the dry conditions, potato and corn crops look promising. However, forage losses are expected to be 20 to 40 per cent higher than normal.

Normandin reports delayed growth of most crops due to the prolonged drought in June. Hay yields have been cut by almost 40 per cent. For the third consecutive year, the European skipper has damaged timothy fields. Recent rainfalls have benefited cereals and corn. Early barley varieties are now heading. Blueberry polinization is progressing well and good yields are expected.

ONTARIO

In Essex county of southern Ontario growing conditions have been generally good for corn, soybeans and tomatoes. Early potatoes and sweet cherries are now being harvested while harvesting of an average crop of winter wheat will commence about July 9. Southern corn leaf blight is present in a few corn fields but there appears to be no spreading from field to field. Haying operations are making slow progress. In Kent county corn and soybeans are growing well and wheat is beginning to turn. There has been a heavy rainfall in some areas but only light showers or no rain elsewhere. Crops are very good in west Kent and poor in the eastern part of the county. Harvesting of peas is almost completed and the crop is very good. Harvesting of wheat should commence within the next 10 days. Only a few army worms have been reported while potato leaf hoppers have appeared on beans. Southern corn leaf blight has been reported from Ridgetown. Drought conditions are prevailing across Middlesex county although a general rain on July 6 has helped somewhat but much more rain is required.

The main crops affected to date are fall wheat and spring seeded grains. Haying operations are about complete with excellent quality reported although yields were down somewhat. All crops need more rain in Norfolk county. Grain is ripening prematurely and as a result yields will be lighter than normal. Corn is wilting badly in many areas and second growth of hay is very slow. Irrigation of tobacco and horticultural crops is general in those areas where it is available. Harvesting of wheat and rye will likely commence a week or two earlier than usual.

In Simcoe county of western Ontario haying operations are progressing well due to good drying weather. A number of farmers are harvesting haylage this year for the first time. Corn is growing well and early fields of wheat are beginning to turn. A few fields of barley are well headed. Haying is 50 to 60 per cent completed in Bruce county. Growing conditions have been very good and grain crops are about 20 to 30 per cent in head. Pastures are excellent. Haying is well advanced in Waterloo county with about average yields reported. Damage from alfalfa weevils has varied from light to heavy. Rainfall has been adequate in most areas of the county and as a result spring grains and corn are making good growth. Rainfall in Wellington county has been spasmodic but most areas have received an adequate amount. Corn is growing well and spring grains are headed although some lodging is reported. Haying operations have proceeded under very good weather conditions and the quality is reported to be excellent. Damage from alfalfa weevils has approached serious levels in southern areas of the county. In Halton county corn and spring grains are growing rapidly and winter wheat is now turning. Haying operations are 90 per cent completed and although yields were about average damage from alfalfa weevils was heavy. Strawberry yields were excellent. The good rainfall on July 6 will greatly improve pastures.

In Durham county of central Ontario growth has been excellent in all crops and haying has progressed satisfactorily. Moisture conditions are generally satisfactory particularly in the southern portion of the county. In Peterborough county precipitation during the month of June was only about one half of normal, but a good rain fell on July 6. Haying operations are proceeding ahead of normal and damage from alfalfa weevils is also reported from this county. Wheat is turning and most barley and some oats have headed. The corn crop looks good but pastures are poor.

In Leeds county of eastern Ontario recent showers have brought relief to corn and grain crops and temporarily halted haying operations. About 50 per cent of the hay crop has been harvested although some farmers were finished in June. Early-seeded barley is in head and corn is making rapid growth. Harvesting of a bumper crop of hay is proceeding normally in Carleton county. Corn is developing very well and spring grains are making excellent progress. Although rainfall has been below normal there appears to be a generally good soil moisture reserve. In Renfrew county recent heavy rains have delayed haying but have promoted rapid growth of all crops. Early-seeded spring grains are now heading, while some lodging has occurred in fields of winter wheat.

A report from Kapuskasing in northern Ontario indicates that the month of June was dry and warm. Early-seeded cereals are heading and yields look promising. However, late-seeded grains are in rather poor condition. Haying operations at the Experimental Farm are well underway with yields varying from average to good. In the Thunder Bay District haying operations are now general but progress has been slow due to adverse weather conditions. Spring-seeded barley is beginning to head and early-planted potatoes are making good growth. Pastures are in excellent condition.

MANITOBA

General crop conditions in the province remain good to excellent but continued heavy rains have delayed weed spraying and haying operations. Early cereal crops are heading in the southern part of the province and rapeseed and mustard are now in bloom. Canning peas are being harvested two weeks ahead of normal and special crops, particularly sugar beets, are progressing well.

Moisture conditions in the Vita area are almost ideal as early crops have headed and rapeseed is starting to bloom. Grasshoppers are reported in the Ridgeville-Emer-son area. Some spraying has taken place and haying will be general during the next few weeks. At Altona, barley and rapeseed are flowering although some fields are still several weeks behind. Thundershowers have provided good to adequate moisture but have also brought minor flooding and a small amount of hail damage. Weed problems and a shortage of labour to work the fields necessitated ploughing down some fields of sugar beets and sunflowers. All crops at Morden are progressing well with excellent prospects if moisture levels are maintained. Early wheat, oats and barley are in head, rapeseed is coming into full bloom and early potatoes are also in bloom. Early sunflower crops are now receiving final cultivation and the corn is two and one-half feet high. The canning pea harvest started on July 6. Early cuts are expected to yield light with the later harvest expected to be heavier resulting in an average yield. Canning corn and beans look good at this stage but haying is being delayed by continuous wet weather.

At Pilot Mound in the south-central part of the province showery weather until this week delayed spraying, summerfallowing and haying. As a result these operations are now running behind schedule. Growing conditions have promoted lush pastures and crop prospects appear to be good. To date there have been no insect or disease problems. At Melita the precipitation during the past two weeks has ranged from 1.2 to 3.2 inches. Considerable water damage has occurred in low areas and weed spraying in this area has been limited to the higher, lighter soils. Haying operations have been delayed because of the moisture but crop conditions are generally good.

In the Beausejour area crops are progressing well. Some yellowing was experienced earlier but most crops are now reviving. Crop stands range from average to very good. Some localized flood damage was experienced north of Beausejour. Hay stands are good. At Stonewall crop prospects are excellent although there has been some deterioration of barley in some low lying areas. Spraying is now completed but haying has been delayed due to frequent rains. Tame hay stands are excellent and haying operations are expected to become general this week. Bulldog flies and mosquitoes appear to be bothering livestock. Crop spraying has been delayed by rains at Portage La Prairie. Haying operations have started and some of the baling is now completed. Forage yields are good and cereals, especially barley, are heading and progressing well. Some grasshopper damage has been reported south of Portage La Prairie. The crop picture in this area is generally excellent for both cereals and vegetables.

Early barley and wheat are now heading in the Brandon area. Heavy stands of cereal crops and hay are general and pasture is good. Warm, dry weather would be welcomed to improve the colour of grain in low lying areas. Fall rye is filling well. Very little hay has been put up because of the showery weather and crops are weedy due to poor spraying conditions. In the western part of the province at Virden general showers throughout the past week have curtailed field work, particularly summerfallow operations. Spraying is still incomplete in all but the drier sections. Hay stands are excellent. Insects, especially flea beetles in rapeseed, continue to be a big problem.

In the Interlake District at Teulon one and one-quarter inches of rain during the past week have provided more than adequate moisture conditions. Spraying is now virtually completed and cereal grains are ten to twelve inches high. Haying is under way but not general as yet. Tame hay and forage should yield well but wild hay yields will be lighter. At Arborg, showery weather continued over the weekend. This area has received over three inches of rain in the last ten days after an extended dry spell. The rain, though welcome for annual crops and pasture, has held up haying operations. Crop prospects are good and most crops have now advanced to the boot stage.

In west-central Manitoba at Neepawa the total rainfall for June was 10.58 inches. Water continues to lie on fields and is hampering haying and spraying operations. Weed growth is heavy and early crops are heading. Fall rye is doing well. Approximately fifty thousand acres of crop land have sustained from 25 to 100 per cent damage due to flooding. Haying at Minnedosa has not started due to wet weather. Hay is lodging in spots and large areas of cereal crops are yellowing. Barley in particular is suffering. The weed growth is very lush and summerfallow and spraying operations are much delayed. Fall rye crops are fair to good.

The Shoal Lake area has received between seven and eleven inches of rain during June. Late-seeded crops are deteriorating because of the moisture and early-seeded crops are beginning to head out. Rapeseed is now flowering. Very little spraying has been done and haying has been delayed by rain. Our correspondent at Russell reports that weeds are a problem in crops and summerfallow. Between 10 and 20 per cent of the crop is permanently damaged due to excessive moisture. Early-seeded cereals are heading and look good. Rapeseed and mustard crops are in flower and tame hay appears promising. The cutting of hay has begun but much of the wild hay and slough hay will not be cut due to excessive moisture.

Early crops in the Dauphin area are heading. The progress of most crops is good but fields are weedy and the low areas are flooded. Wet weather is holding up weed spraying, haying and summerfallow operations. Heavy stands of hay are being cut and pastures have improved. At Swan River moisture conditions vary from dry to excessive. Crop conditions are good and haying operations are now general. Isolated grasshopper infestations have been reported.

The unweighted average precipitation for the province since April 1 has been 30 per cent above normal, compared with 23 per cent above normal a week ago, 29 per cent above normal two weeks ago and 30 per cent above normal a year ago. The mean temperature for the week ending July 5 was 2.1 degrees below normal compared with 1.4 degrees below normal a week ago, 3.1 degrees above normal two weeks ago and 0.3 degree above normal for the week ending July 6, 1970.

SASKATCHEWAN

Moisture conditions are generally good throughout Saskatchewan as showers were reported in many areas last week. However, some areas are still dry. Crop potential throughout the province is very good but more warm weather is needed. Weed growth is heavy as summerfallow and spraying have been delayed. Approximately 43 per cent of the wheat crop is in the shot blade stage. Rapeseed is two inches in height to flowering. The harvesting of hay has started with a fair crop reported and pasture is improving. Cattle are in good condition. There has been some limited hail damage.

In the southeast part of the province at Willmar early crops look very good. Forage crops and pastures have recovered but too much rain has fallen for good summer-fallowing. Crops are in good condition at Yellow Grass since recent rains but there is some damage due to the flooding. Early crops are heading. Hot dry weather is needed to promote good growth and for controlling weeds in summerfallow.

To the north at Fillmore heavy rains have improved crop conditions. Many low lying areas are flooded and spraying has been delayed. Warm, dry weather is now needed as summerfallow fields are very weedy. A better than average hay crop is now being harvested. In the vicinity of Indian Head rains during the past two weeks have maintained soil moisture at a high level and crops are making excellent growth. There is some minor flooding of crops in low lying areas. Early-seeded crops are heading and are eighteen inches in height. Most of the other cereals are in the shot blade stage and are fourteen to sixteen inches high. The wet weather has delayed the summer-fallow operations and weed growth is quite heavy. No insect damage has appeared in this area. Hay and pasture have made a good recovery and haying operations will be getting under way this week. Livestock continues in good condition.

Big Beaver in the south-central part of the province received three inches of rain since April 1. Pasture land is poor and little local hay will be harvested due to very dry conditions. Summerfallow is in good condition. Fifty per cent of the grain crop has headed. At Gravelbourg barley crops are heading with stands of eighteen to twenty inches. Wheat stands from sixteen to eighteen inches and flax six to nine inches. Topsoil is dry with subsoil moisture fair. Mustard fields are patchy and the crop is eighteen inches in height. Sunflowers are good being fifteen to twenty inches high. Pastures are generally dry.

In the southwest of the province at Val Marie the first cutting of hay is well under way averaging approximately two tons per acre. Rain is badly needed in this area as wheat fields are drying up and prairie land is very dry. Sunflowers have made good progress during the past week. A large number of beetles are reported in the grain. Cattle are doing fairly well. The crop is a week late at Swift Current but stands are about normal. More rain is needed in this area as subsoil moisture is poor. Pastures have improved with recent rains but the hay crop is very light.

At Melville in the east-central part of the province crops look good with some early wheat and barley starting to head. Some clover cutting has been done. Tame hay is looking good but in some low lying areas is under water. Some low land crops are also under water. At Togo crops are progressing well. Early wheat is heading. Warm sunny weather is needed as some areas are too wet. Summerfallowing is generally good. Pastures are reported good and haying has started with fair yields expected. Crops in the Endeavour area are average with wheat about eighteen inches in height and about to head. Coarse grains are somewhat later but stooling well. Rapeseed is in full bloom. Haying operations have started on some fields and pasture conditions are good.

In the central part of the province around Saskatoon above normal rainfall in June maintained good crop prospects. Wheat and barley are starting to head and rapeseed is coming into the pod stage. Fall rye is filling well and good yields are expected. Haying is now in progress with fair hay yields reported.

In the west-central region at Rosetown, early-seeded crops are heading and some rapeseed fields are in flower. Summerfallow fields are being worked for the second time. Hay fields and pastures are fair and haying will be general in ten days. At Scott recent rains improved all crops considerably. Early barley and oats are heading while wheat is in the shot blade stage. There are good stands of rapeseed now in full bloom. Forage crops have improved with alfalfa stands excellent.

At Melfort scattered showers throughout most of June maintained generally good crop prospects and generally improved pastures. Early-seeded wheat and barley are heading at twenty-four to twenty-eight inches. Rapeseed has started the blossom stage. Haying operations are well advanced.

The Saskatchewan Municipal Hail Insurance Association reports the following hail storms June 22: Langbank, Mossomin and Whitewood; June 23: Eastend, Shaunavon, Glen McPherson and Mankota; June 25: Spring Valley, Moose Jaw, Grand Coulee, Weyburn, Radcliffe, Benson, Lampman, Alameda, Oxbow, Carnduff and Gainsborough; June 29: Hoffer, Dunner, Yellow Grass, Cedoux, Elrose and Eston; July 1: Shellbrook, Prince Albert, Domremy and Wakaw; July 2: Weyburn, Richmond, Fox Valley, Haxlet, Cabri, Eaton, Madison, Eston, Carrot River and Lloydminster.

The unweighted average precipitation for the province since April 1, has been 4 per cent below normal compared with 8 per cent below normal a week ago 12 per cent below normal two weeks ago and in contrast to 35 per cent above normal a year ago. Mean temperature for July 5 was 3.3 degrees below normal compared with 1.2 degrees below normal a week ago, 0.2 degree above normal two weeks ago and 0.5 degree below normal for the week ending July 6, 1970.

ALBERTA

Crop prospects in Alberta have improved due to widespread showers during most of June. In southern and central areas crop progress is good for this time of year but timely rains will be needed for growth to be maintained. Some flooding and soil erosion has been reported in many northern areas due to recent excessive rainfall. The rains have delayed weed spraying in northern areas and it is likely that intended acreages to be sprayed will not be covered. Summerfallow and haying operations are also being held up in northern areas. Insect damage has been reported in rapeseed fields. Poor emergence of rapeseed in central areas resulted in some reseeding. Due to low rainfall in April and May the first cut hay crop will generally be less than average.

In the Manyberries area of southeast Alberta crops are in good condition with wheat 75 per cent headed and 20 inches high. Unsprayed fields are showing a lot of weed growth. Livestock are in good condition as grass and water supplies are adequate. In the Medicine Hat area general rains would be welcome. In some areas crops are beginning to suffer from lack of moisture. All grains are headed or heading and hay crops will be short except on irrigation. Pastures are fair and livestock good. Farmers are going over summerfallow for the second time.

In the southwest area at Lethbridge weather conditions are cool, with the growth of all crops average. Grain corn growth is slow, wheat is in boot stage, barley is heading, winter wheat filling, and the main rapeseed crop is in flower. Thinning of sugar beets has been completed, the earliest in ten years. Canning crops are normal, except for slow growth of corn. In the Cardston area crop conditions are good, with fall wheat in head. Early-seeded coarse grains are in the shot blade stage, and rapeseed is in bloom. Haying is in progress with normal yields. Pasture grass is in good condition. Cool nights have been reported with temperatures in the low 30's. At Claresholm the weather has been cool and dry, and rain is needed especially for pastures, winter wheat and rye. A great deal of spraying has been done but weeds are still a problem. Some barley is heading and rapeseed is in bloom as weather conditions have not been too cold.

At Brooks in south-central Alberta several scattered hail storms have been reported throughout the district with considerable crop damage mainly at Bow City and the Rosemary and Duchess areas. Damage in these areas has been reported as high as 80 per cent. In the Rosemary area a number of potato fields have been badly hailed. Haying is general with a good first cut. Many barley fields are heading and wheat is in the shot blade stage. At Vulcan some crops are deteriorating for lack of moisture. Cool weather for the past three weeks has resulted in slow crop growth. Rapeseed crops were slightly affected by an early July frost. Pasture grass is drying up rapidly and haying operations are minimal. With the short crop this year, rain is needed to ensure at least an average crop.

At Hanna in east-central Alberta crops have been held back due to cold weather. Wheat, oats and barley are 50 per cent headed although the heads are small. Tame hay is twelve inches high, while fall rye is thirty-six inches. Range cattle are in good condition and a good calf crop has been reported. Our correspondent at Calgary has reported good crop growth with wheat ten inches, oats eight inches, and barley nine inches. Crops are looking very good but rain is required to maintain their position. Surface moisture and subsoil moisture remain good. At Olds light frost has been reported but as to date no damage has been reported on any cereal crops. Moisture conditions are excellent, resulting in heavy growth of all grains and pasture.

In the northeast central district at Sedgewick crops are looking very good with adequate moisture but need hot weather to advance them more quickly. Although spraying is 90 per cent completed, it is now being held up due to wet weather. Haying has started but drying weather is needed to commence baling.

Around Stettler in central Alberta crop conditions are generally good to excellent. Field crop spraying is virtually completed and haying has just begun. Precipitation has been sufficient during the past two weeks and no heavy hail damage has been reported to date.

Reports from Red Deer in west-central Alberta state excellent moisture conditions; in fact, heat is needed to bring crops along. This past week night temperatures have been reported in the 40's. Crop spraying has been delayed and in some cases abandoned because of wet conditions. Several cases of red turnip beetles have been reported in the rapeseed crop this year. Some haying was started a week ago but is deteriorating rapidly due to rain. At Lacombe 2.27 inches of rain since the last report two weeks ago brings the total since April 1 to 4.95 inches, as compared to an average of 7 inches. A few early cereals are heading and most are in the four to six leaf stage. Spraying has been delayed by showery weather. Rapeseed fields are variable from four inches to early bloom. Hay and pastures are in good condition.

Our correspondent at Bonnyville in north-central Alberta has reported heavy precipitation which has resulted in limited spraying operations. Hay crops are ready to cut but have been delayed due to wet weather. Heavy rainfall at Colinton has been drowning out crops, with an estimated yield reduction of about 25 per cent. However, if rain continues losses will be even greater than previously anticipated. About 30 per cent of the intended spraying has been carried out and wheat infestation is heavier than normal. Summerfallowing is at a standstill and many fields have only had one pass at cultivation. Wild oats infestation is reported as being high and it is too late to take any preventive measures such as spraying. Hail damage has been exceptionally heavy this year resulting in a loss of approximately 15 per cent of the crops in the area. Very little haying has been done to date and many fields will remain uncut as field conditions will not carry haying equipment.

Beaverlodge in the Peace River District has experienced heavy rains totalling 6.91 inches, a 54 year record for June. Forage yields have been improved but haying operations have been delayed. Due to the rains there has been considerable yellowing of cereal crops. In low areas rapeseed and alsike are in bloom. Grasses and early-sown barley are heading and red clover and alfalfa are starting to bloom. Light scattered showers over the High Level district have been reported. Soil moisture is reported as being fair. Barley, oats and wheat are generally headed and advanced barley ripening has been reported. Rapeseed is generally in flower and haying operations are almost completed. Most summerfallow is in poor to fair condition.

The Alberta Hail and Crop Insurance Corporation reports the following storms: June 23 - Two Hills to Beauvallon which moved from southeast to northwest damaging a strip 5 miles wide by 12 miles long immediately west of Hussar; June 25, the largest storm of the season travelled northeast from Eckville to Lacombe, Camrose, Holden, south of Viking, Derwent and to Heinsburg, severe damage over entire storm path from large stones driven by strong winds; July 1, storm beginning at Lomond moved southeast to north to Bow Island and then to south of Medicine Hat, severe damage to winter grains and early-seeded spring crops; July 2 - storm beginning at 10:30 inflicted heavy damage in path from South Calgary, Langdon, north of Cluny, Rosemary, Duchess, Buffalo, Bindloss to Empress; July 2 - reported to have begun 6 miles north of Lomond, moved due east through Tilley and crossed into Saskatchewan at Hilda, extensive damage on irrigated crops in Brooks and Tilley areas; July 5 - reports have been received from Stoney Plain, Wetaskiwin and Joffre of scattered hail activity.

The unweighted average precipitation for the province since April 1 has been 2 per cent below normal, as compared with one per cent below normal a week ago, 9 per cent below normal two weeks ago, and in contrast to 20 per cent above normal a year ago. Mean temperature for the week ending July 5, 1971 was 4.4 degrees below normal as compared with 1.3 degrees below normal a week ago, 0.6 degree below normal two weeks ago, unchanged from the week ending July 6, 1970.

BRITISH COLUMBIA

On the Saanich Peninsula of Vancouver Island, the weather has been unsettled with above normal rainfall and lower than average temperatures. The early potato crop is good but field corn and tomatoes were delayed by the cool weather. Hay crops are good but strawberries are poor with fruit rot prevalent. Greenhouse tomatoes have now passed the peak and good prices continue. At Agassiz in the lower Fraser Valley, unseasonably low temperatures continued throughout June with the mean temperature being the third lowest in the seventy-nine years for which records have been kept. Sunshine was the fourth lowest and rainfall 50 per cent above normal. Strawberry picking is general with excellent yields and good quality reported. Raspberry prospects are normal with picking expected to start at the beginning of next week. All other crops have been retarded by the weather. Pastures however, are excellent and harvesting of the first cut grass for silage is continuing. Where haymaking has been attempted, considerable losses have been sustained.

In the South Okanagan Valley cherry harvesting is at its peak. Fruit size and quality are good. Some early apples are being picked and apricots can be expected in ten days. The cucumber harvest is underway but tomato ripening is slow. To the north, at Vernon, the weather has been cooler and wetter than usual. Field crops are generally above average while the first crop of hay has been harvested, but the quality was reduced because of weather conditions. Fall wheat is maturing and pasture and range growth is excellent. Field corn will require warm weather.

Crops are slow in developing at Kamloops as a result of low temperatures with a low of 35 degrees reported on June 8. Showers have hampered haying operations and much of the hay is of poor quality.

Poor weather conditions during the past four weeks have delayed nearly all forage harvesting at Prince George. Grain crops appear very promising in spite of the adverse weather conditions. Temperatures have also been low. Unfortunately a considerable proportion of the forage acreage did not benefit from the heavy rains because plant development was near maturity at the time. However, new stands of grasses and legumes which have been fertilized at the recommended rates are reaping the benefits of the abundant moisture supplies. It is estimated that forage harvesting has been delayed by at least two weeks.

At Smithers precipitation in June exceeded two inches and the mean temperature was 55 degrees. Forage crops are progressing well but harvest will be one or two weeks later than last year. Intermittent rain has posed a problem in harvesting.

Reports from Dawson Creek in the Peace River Block indicate that wheat is now heading out and early barley is in the shot blade stage. The growth of late barley and oats is slow however, and some yellowing of cereal crops has occurred where soil moisture is high. It is estimated that excessive moisture damage to crops is about 10 per cent. Grass seed crops are light and clover growth is slightly below normal. Hot, dry weather is needed.

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 5, 1971	since April 1	since April 1	8 a.m. July 5	
			inches		1971	Normal
						degrees F.
<u>MANITOBA</u>						
1	Boissevain	1.76	10.14	7.23	63	65
	Pierson	1.40	10.92	6.64	63	65
2	Baldur	.92	12.45	7.03	65	66
	Pilot Mound	1.03	10.29	6.85	62	65
3	Altona	N.R.	3.89(2)	6.17	N.R.	67
	Deerwood	N.R.	8.01(2)	6.73	N.R.	68
	Graysville	1.57	9.53	6.41	63	67
	Morden	.73	7.46	6.82	66	68
	Morris	.70	7.24	6.37	65	68
	Portage la Prairie	.81	9.48	7.97	65	68
	Roland	.37	5.29	6.60	64	67
4	Stonewall	1.31	7.76	7.04	62	66
5	Emerson	1.12	6.85	6.40	62	67
	Steinbach	.76	5.66	6.62	65	66
	Winnipeg	.76	7.47	6.70	65	67
	Starbuck	.53	9.92	6.62	65	66
6	Pinawa	1.63	7.87	4.01	64	64
	Great Falls	1.76	4.10	5.02	66	66
	Sprague	1.39	7.35	6.91	64	64
7	Virden	1.09	9.48	6.61	63	65
8	Brandon	.91	11.11	7.03	62	65
	Cypress River	1.37	11.78	6.84	63	66
9	Gladstone	2.05	10.36	7.07	N.R.	66
10	Birtle	1.92	10.57	6.72	60	63
	Rosburn	1.56	8.86	6.27	60	63
	Russell	1.57	7.42	5.72	60	63
11	Dauphin	1.19	8.35	7.15	64	65
12	Arborg	2.24	9.16	6.76	63	64
	Gimli	2.81	9.12	6.71	65	66
13	Swan River	.21	6.03	6.09	64	64
	The Pas	.86	3.63	5.34	64	64
MANITOBA AVERAGE		1.25	8.47	6.53	63.5	65.6

For footnotes, see page IV.

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.	July 5
		8 a.m.	since	since		
		July 5, 1971	April 1	April 1	1971	Normal
			inches		degrees F.	
SASKATCHEWAN						
1A	Carlyle	N.R.	8.31(2)	6.03	N.R.	64
	Estevan	2.36	9.25	6.47	62	66
	Oxbow	1.83	7.44	6.03	59	64
	Willmar	1.69	6.56	6.44	N.R.	64
1B	Broadview	1.20	5.90	7.04	59	63
	Moosemin	.83	8.90	6.86	58	64
2A	Yellow Grass	1.55	7.05	5.94	61	65
	Weyburn	.97	6.41	6.02	61	64
	Midale	.57	6.59	5.98	61	65
	Amulet	.86	6.17	N.R.	62	N.R.
2B	Moose Jaw	1.44	4.93	5.87	62	66
	Regina	.98	4.36	6.07	61	64
	Francis	.99	6.79	5.64	58	63
	Indian Head	2.08	6.49	5.99	61	63
3AS	Ormiston	.46	2.65	6.36	63	63
	Cardross	.28	1.56(2)	6.27	63	64
3AN	Gravelbourg	N.R.	2.10(2)	5.35	N.R.	64
3BS	Shaunavon	.79	5.76	5.48	59	63
	Aneroid	.70	4.47	5.25	62	63
	Instow	.40	5.51	5.67	54	63
3BN	Swift Current	.49	3.94	6.00	59	63
	Pennant	.73	4.52(2)	5.66	59	65
	Hughton	N.R.	3.66(2)	4.78	N.R.	64
4A	Maple Creek	N.R.	4.09(2)	5.18	N.R.	65
	Consul	.20	2.57	4.28	58	63
4B	Leader	N.R.	5.19(2)	4.88	N.R.	65
5A	Cupar	.72	4.62	5.82	61	64
	Balcarres	.89	5.10	6.23	N.R.	63
	Lipton	.89	4.81	5.29	60	63
	Melville	1.73	9.54	N.R.	60	N.R.
5B	Yorkton	1.51	6.42	5.86	61	63
	Bangor	1.50	6.42	6.53	61	63
	Wynyard	.90	5.47	5.74	61	62
	Foam Lake	1.27	5.97	5.90	53	62
6A	Kuroki	1.24	4.99	6.09	60	62
	Kamsack, Cote	.92	5.62	5.55	61	62
	Davidson	N.R.	4.45(2)	5.80	N.R.	63

For footnotes, see page IV.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m.	since	since	8 a.m.	
		July 5, 1971	April 1	April 1	July 5	
					1971	Normal
			inches		degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6A	Strasbourg	.80	5.23	6.35	62	63
	Watrous	.48	6.02	5.37	60	64
	Liberty	.73	6.12	N.R.	62	N.R.
6B	Harris	.68	3.49(2)	4.95	58	65
	Outlook	.52	4.43	4.73	61	66
	Saskatoon	.98	4.57	4.58	60	65
	Elbow	.16	3.77	5.71	61	65
	Tugaske	.94	5.67	6.08	61	64
	Dundurn	1.70	6.70	4.90	62	64
7A	Kindersley	.46	3.05	4.13	58	64
	Rosetown	.64	4.79	4.95	60	64
7B	Macklin	.30	3.98	4.57	59	63
	Denzil	.56	3.83	4.72	59	63
	Scott	.67	4.58	4.93	59	62
	Biggar	.60	4.61	4.99	59	64
8A	Hudson Bay	.01	3.26	5.82	62	62
	Prairie River	.09	3.51	6.22	60	61
8B	Humboldt	.85	5.96	5.19	60	62
	Melfort	.27	4.45	5.45	61	62
9A	North Battleford	.35	3.40	4.66	61	64
	Victoire	N.R.	.95(2)	5.27	N.R.	60
	Prince Albert	.35	4.12	5.11	60	63
9B	Waseca	N.R.	4.48(2)	5.21	N.R.	62
	Meadow Lake	1.46	6.56	5.38	58	60
SASKATCHEWAN AVERAGE		.88	5.38	5.58	60.1	63.4

ALBERTA

1	Empress	.40	3.00	4.77	63	64
	Foremost	.93	4.91	5.49	58	64
	Manyberries	.53	6.02	5.12	54	65
	Medicine Hat	.42	3.83	5.15	60	66

For footnotes, see page IV.



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(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.	July 5
		8 a.m. July 5, 1971	since April 1	since April 1	1971	Normal
			inches			degrees F.
ALBERTA - Concluded						
2	Brooks	.06	4.10	4.96	58	65
	Vauxhall	.03	3.90	4.77	58	64
	Raymond	.89	6.19	6.09	57	64
	Lethbridge	.47	5.80	6.59	59	64
	Trochu	.37	6.01	5.74	N.R.	62
3	Queenstown	.08	3.54	6.30	58	62
	Calgary	.02	5.18	7.17	55	60
	Cardston	1.36	8.37	7.66	55	61
	Pincher Creek	.07	5.73	8.34	56	60
	Fort MacLeod	.22	5.25	7.52	59	64
	High River	N.R.	6.25(2)	7.97	N.R.	58
	Olds	.30	5.36	7.27	55	59
	Alliance	N.R.	4.43(2)	4.89	N.R.	62
4	Coronation	.82	5.17	4.56	58	61
	Hughenden	.83	5.29	4.99	59	63
	Lloydminster	.87	5.73	4.90	60	62
	Stettler	.81	3.59	5.78	56	62
	Vegreville	.31	4.50	5.11	57	62
	Ranfurly	N.R.	4.19(2)	5.51	N.R.	62
	Vermilion	.28	3.80	4.85	57	60
	Edmonton	1.84	5.38	6.52	55	62
5	Lacombe	1.16	4.59	7.29	54	61
	Red Deer	.74	4.58	8.26	55	61
	Rocky Mountain House	.56	7.27	7.91	56	59
	Wetaskiwin	1.90	6.58	6.58	55	61
	Campsie	1.75	6.45	6.38	54	58
6	Edson	1.52	10.23	7.19	52	57
	Elk Point	.39	6.50	5.55	56	60
	Lac la Biche	.02	5.57	5.38	59	61
	Whitecourt	1.81	9.94	6.42	55	57
	Beaverlodge	nil	6.98	4.97	54	59
7	Ft. Vermilion	.15	2.48(2)	4.01	62	59
	Grande Prairie	.08	7.49	5.07	57	58
	High Prairie	2.14	11.11	5.57	55	59
	Peace River	.41	6.68	4.03	58	59
	Wagner	1.86	10.69	4.94	54	59
ALBERTA AVERAGE		.71	5.82	5.94	56.8	61.2

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