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TELEGRAPHIC CROP REPORT - CANADA

This is the seventh of the 1960 series of nine telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the eleventh of a series of thirteen telegraphic reports on crop conditions in the Prairie Provinces. A selected list of crop correspondents chosen from the Federal and Provincial Departments of Agriculture, private crop observers and grain men supply the information on which these reports are based. The weather data included in this release are furnished by the Meteorological Division, Department of Transport.

S U M M A R Y

Maritime Provinces: Weather conditions throughout the Maritime Provinces have been warm and dry enabling farmers to carry on with haymaking operations which have now been almost completed. Grain crops are ripening and harvesting is now underway. In Prince Edward Island and Nova Scotia rain is needed and pastures and meadow aftermaths are poor. In some areas of Nova Scotia cattle are being fed. Yields of potatoes and blueberries have been reduced by dry weather. Reports from New Brunswick, however, indicate more favourable conditions, with above average second growth on haylands and good pastures. Grain crops are showing less lodging than usual.

Quebec: Farmers in Quebec have completed haymaking except in the Gaspé, the Lower St. Lawrence, Abitibi and Lake St. John districts. Frequent showers have caused some deterioration of large quantities of hay. Grain harvesting is underway in the central regions of the province. Quality will be good but yields are a little below normal. Generally pastures and second growth on hay meadows are short due to low soil moisture reserves. In several areas cattle are being fed hay and silage to avoid too great a drop in milk production. Forage corn growth is slow but a satisfactory harvest is in prospect. Early potatoes are producing high yields. Tomatoes are somewhat late in reaching market because of the lack of heat. Other vegetables are in good condition. In the Quebec district picking of a good raspberry crop is now over with excellent quality having been obtained. Farmers are commencing to harvest flue-cured tobacco and everything points to good yields. The blueberry yield appears to be below previous expectations. Grasshoppers are plentiful in several regions but so far damage has been limited.

Ontario: Harvesting of first-cut hay is practically completed in Old Ontario and from 60 to 75 per cent completed in Northern Ontario. Yields were generally good to heavy. Harvesting of winter wheat, rye, and fall barley is now general across the province with about normal yields being obtained. Some early-seeded oats are being combined in Essex and are ripening in other counties. Late-seeded spring grains are headed short but yield prospects are improving although still extremely variable.

Note: Data for Newfoundland not available.

Prepared in the Crops Section, Agriculture Division

Husking corn, white beans and soybeans are showing improvement in Essex and Kent, but average about ten days later than normal. In Lambton, Middlesex and Elgin, these crops show great variability and yield prospects are generally fair to poor. The tobacco crop has improved greatly in recent weeks due to warm weather coupled with a good moisture supply. On July 19 hail and wind cut a wide swath through several farms in Middlesex and Norfolk Counties, and claims for damage have ranged between 30 and 100 per cent. Pastures have deteriorated in Eastern Ontario due to dry weather, but are quite good in the remainder of the province where frequent rains have provided ample moisture supplies. Tomato and potato crops both indicate good prospects.

Prairie Provinces: After several weeks of hot, dry weather welcome rains were received during the past week over wide areas of the Prairie Provinces. This moisture halted the generally declining yield prospects and was particularly beneficial to late crops and pastures. Harvesting of fall rye and winter wheat is now general and swathing of early-sown spring grains is underway in most parts of Manitoba and in southern areas of Saskatchewan and Alberta. Swathing has also commenced in some localities of other sections of the latter provinces.

Rust Report The following has been extracted from the 'Report on Rust Development in Western Canada in 1960' released on August 4 by the Canada Department of Agriculture Research Station, Winnipeg:

"In the United States, winter wheat has ripened without appreciable general rust losses although serious damage occurred in localized areas in Kansas and Nebraska. There is little rust in the spring wheat area and there is little likelihood of damage.

In Western Canada wheat stem rust infections continue to be light. This rust is most common in the Red River Valley and adjacent areas in southeastern Manitoba, where susceptible varieties in experimental plots have stem rust infections ranging up to 10 per cent. A few pustules have been found on Thatcher and Ramsey but stem rust has not been found on Selkirk which occupies nearly all the bread wheat acreage in Manitoba. Traces of stem rust are present on susceptible wild barley throughout southern Manitoba. The first report of stem rust in Saskatchewan comes from Saskatoon where a trace of rust was found on barley on August 1. Stem rust has not yet been reported in Alberta.

Wheat leaf rust is more common and widely distributed than stem rust but infections are still light. In the Red River Valley and adjacent areas, where infections are heaviest, susceptible varieties in experimental plots have infections ranging from 10 per cent to 50 per cent, a small amount of rust for this time of year. A light infection of moderately-resistant-type pustules is present on Selkirk. Leaf rust is considerably less prevalent further west. The very susceptible variety Thatcher had an infection of only 5 per cent at Brandon, Manitoba, on July 27, and only traces of leaf rust have been reported in Saskatchewan.

Oat stem rust has not yet been reported in Western Canada but traces of oat crown rust (leaf rust) were found at Morden, Manitoba, on July 27.

The scarcity of rust in Western Canada can be attributed largely to the abnormally dry weather during July and to the resistance of the commonly grown varieties.

In view of the scarcity of rust and the rapid advance of the crop in recent weeks there is little chance that rust will cause any damage in Western Canada this year."

British Columbia: Warm, dry weather has provided favourable growing conditions for most of the crops in British Columbia. The processing pea harvest is completed at the Coast and second early potatoes are being lifted now, with average yields reported.

In the Interior, cherries and apricots are finished, while peaches are coming off in good condition and promise an average yield, which should be well above that of last year. In the Peace River area cereal grain crops, although delayed somewhat by earlier unfavourable weather conditions, are now making satisfactory progress. Pastures in all areas are drying up except where irrigated.

MARITIME PROVINCES

Weather conditions have been dry and warm in Prince Edward Island, with precipitation from January to July this year five inches below the fifty-one year average. All crops would benefit from rain now. However, rain has been well distributed this season. Farmers have almost completed haymaking and grain harvesting has commenced in the early areas. Septoria disease of oats developed rapidly during July with heavy infection reported. However, about average yields of grain are expected. Hay yields have varied with high quality obtained. In many districts pastures are getting very dry and milk cows are receiving supplementary feeds. Meadow aftermaths are also unproductive due to dry weather. Although root crops and potatoes are beginning to show the effects of drought, potatoes are still promising. Late blight is not yet a serious factor. The maturity of the crop is being hastened by the weather but most fields are still standing up well. Second brood potato flea beetles are now coming out and aphids are increasing rapidly causing some damage.

Soil conditions throughout Nova Scotia have been extremely dry. A few showers on August 8 gave temporary relief but heavy rains are required. Milk herds are being fed heavily. Grass aftermath is very light and the blueberry crop will be much lower than earlier anticipated. Harvesting of grains, tomatoes, corn, apples, potatoes is underway. In the Amherst area farmers have almost completed haying with very favourable weather conditions for this operation. Yields and quality are both above normal. Cereals are ripening with some of the early fields cut and stooked. Pastures have been good but are beginning to suffer from the extremely dry conditions. The blueberry harvest is getting underway. At Truro conditions are described as very dry in spite of a recent shower. As a result blueberry crop prospects have been reduced by one-third with uneven ripening and small fruit reported. Grain is ripening with cutting of the early-seeded crop due to start in about one week's time. Early potato yields are average; pastures are very short and aftergrowth on hay fields is nil. Some herds of cattle are being fed hay. In the Annapolis Valley moisture is very deficient. Farmers have completed haying with slightly above-average yields reported. Pastures are very short. The spring grain harvest is well started and early excellent prospects have been reduced to slightly below average. Potato yield prospects are dropping daily and are now below average. Beans, corn and vine crops are all growing slowly due to the lack of moisture. Beans, corn and vine crops are all growing slowly due to the lack of moisture. Apple are showing signs of drought only on a few of the driest hillsides. Blueberry prospects have been reduced. Insects and diseases are under good control.

In New Brunswick suitable growing weather for crop development has prevailed during the past two weeks. Haying is nearly completed with good quality and an abundant crop reported in most areas. Grains are ripening well with less than normal lodging apparent. Kernels are well filled and good yields are in prospect. Clover and grasses are showing an above-average second growth and pastures are good. Considerable timothy has been left for seed. Potatoes are making heavy top growth and the tuber set is promising with little blight reported so far. Early potatoes are yielding well. Insect activity is light. In the Perth area, favourable weather has seen farmers practically complete their haymaking operations with medium quality and yields reported. Grains are ripening with a good crop in prospect. Early potatoes are being harvested and yields are fair. The late crop continues to show good growth but rain is needed for further development.

QUEBEC

In the L'Assomption area of Quebec farmers have almost finished haying and the grain harvest is underway. Priming of flue-cured tobacco is general and the canning pea harvest is continuing. Vegetable crops are good but all crops are adversely affected by a lack of moisture. Pastures are fair. Reports from St. John indicate that the pea harvest has been completed, with very good quality and yields obtained. A heavy rain on June 17 destroyed half of the beans. Haying has been completed with good yields and quality reported. Farmers are harvesting the grain crop earlier than usual as a result of dry weather during the past month. Grasshopper damage is reported in several districts. Although weather is favourable for harvesting, rains are badly needed for pasture growth. Picking of early varieties of apples started last week and reports indicate a generally heavy crop but small size.

At Lennoxville, haying has been finished except in a few cases where cutting started late. The crop was generally good except that late-harvested hay deteriorated due to catchy weather. The grain harvest has begun and the crop is good although considerable lodging is reported. Corn is fair and pastures are good. Reports from Ste. Anne de la Pocatière state that in spite of frequent showers moisture supplies are low. Growth of pastures and hay aftermath is below normal. Hay yields, however, are average and cereals, corn and potatoes look promising.

At Normandin in the Lake St. John district, cool weather and showers with a total of 2.7 inches of precipitation during the last two weeks retarded haymaking and reduced the quality of the crop. Farmers have completed only about 75 per cent of their haying. Pastures are good. Grains are excellent and potatoes and garden crops are very good. Loose smut and septoria leaf spots are bad on barley. Latest information indicates that the blueberry crop is considerably below that of last year. The month of July was cool and very wet, with a record precipitation of 7.25 inches in the Caplan district. The hay crop is about two-thirds of normal and 10 per cent remains to be harvested. Cereal crops are still green, except for early varieties such as Glen and Fundy which are just turning yellow. Pasture growth is declining but hay meadow aftermaths are now providing enough forage for grazing cattle. Garden vegetables are plentiful except for table corn and tomatoes which will not be ripe for three to four weeks.

ONTARIO

In the Barrie district of Simcoe County most fall wheat has been cut and much of the crop has been combined. Yields are about 10 per cent less than normal and there are some reports of high moisture content. Spring-sown grains are turning and harvesting should be general in about two weeks. The crop is about one-third below normal. Ensilage corn is growing very slowly and many fields are infested with weeds or grass, since it has been too wet for weed control at the effective times. Prospects for a poor corn crop are offset by an abundant, good quality hay crop. There will be considerable second-crop alfalfa ready for cutting in about a week. Pastures are now in average condition but will need a good rain each week. Early potatoes are being harvested and yields are fairly good. Late-crop potatoes appear promising if moisture supplies hold out and blight is avoided. The tobacco harvest has commenced and a fair crop is in prospect if frost holds off to allow for a late season. There has been an increase in summerfallow operations because many fields were too wet for the seeding of spring grains. In Bruce County, grain crops are spotty but the generally cool weather is helpful for late-sown grain. Moisture supplies are adequate in the northern part of the county but it is very dry in the south. The corn crop is late for this time of year. Turnips are fair but need rain. Harvesting of grain is general in the southern part of the county and will be general all over next week.

Rain during the past few days helped to improve grain crops and pasture conditions in Wellington County. Practically all haying operations have been completed. A large acreage of timothy has been retained for seed in north Wellington. Harvesting of winter wheat is in full swing. Early-sown spring grains are ripening rapidly and harvesting will commence about August 10. The corn crop is below normal in the northern half of the county, with grain corn particularly showing poor prospects. Considerable fall ploughing has been done. Milk cows have been producing above average this summer due to abundant grass.

The fall wheat harvest in Waterloo County indicates an average crop. Spring-sown grains are starting to fill and although planted late indications are for a good average crop. Continued, cool, damp weather is slowing down growth of the corn crop. Grass growth at this time is the best in years. In Halton County poor drying conditions are limiting the threshing of fall wheat. All of the crop has been cut, except for the portion being left for straight combining. Second-crop hay is now being harvested. Early-sown spring grains are maturing rapidly.

Combining of fall wheat is general in Middlesex County but operations have been slowed down by dull, humid weather. Samples are good and yields are normal but some are below expectations. Winter barley yields are low while spring barley is yielding poor to good. Early-seeded fields of oats are being harvested but later seedings are still green. Cool nights are helping to fill the grain but are retarding growth of corn which is backward. Harvesting of tobacco is becoming general and apples are sizing well, with early varieties now on the market. Rainfall has varied from ample to very light in different districts. Considerable hail damage has been reported in the county.

The wheat harvest is completed in Essex County and yields were good. Combining of oats is underway and yields of this crop are also reported to be good. Harvesting of second-crop hay is proceeding. Harvesting of processing tomatoes has commenced and canning of sweet corn will start in a few days. The peach crop is well underway and the quality is reported to be good. Corn, soybeans, and sugar beets are growing well but later-planted crops are below normal. Soil moisture reserves are low and more rain will be needed for crop development. Many vegetable crops are at peak production. A report from Pelee Island indicates that the soybean crop has slightly improved. Some fields indicate fair to good prospects and a yield about 65 per cent of average is indicated. Harvesting of winter wheat in Kent County has been somewhat delayed due to inclement weather during the past week. The harvest is about 65 per cent completed and yields are reported to be about 90 per cent of average, while quality is a little better than average. Recent rains have greatly aided the development of corn, soybeans and white beans. However, all of these crops will be late. Second-crop hay is now being harvested and both yields and quality are good. Harvesting of early-crop potatoes is completed and yields were good and quality excellent. Peaches are just coming on the market and yield prospects appear average. Tomato processing plants will be opening later this week or the first of next week. Crop prospects are somewhat less than normal due to wet weather early in the season. Hornworms are reported in tobacco in about normal numbers and control measures are being applied. Corn borer damage is moderate.

The oat harvest is general in Norfolk County and early-sown crops are yielding well. Good rains have helped corn and late-sown grains. Although the corn crop is now making fair growth many fields are still backward for this time of year. Pastures are in fairly good condition and the potato crop looks very promising. The tobacco harvest is favourable and a good crop is in prospect. All vegetable and fruit crops indicate good yields.

Winter wheat is being harvested in York County and good yields are reported. Recent, heavy rains will slow down the harvest considerably but will be a great help to pastures

and aftermath. Corn is growing well but is considerably behind previous years due to late seeding. Spring grains are ripening and look very promising considering the late seeding. In Peterboro County, winter wheat is being harvested and good yields are reported. Oats are variable and the average yield will not be high. Silage corn will be below both the yield and quality of last year. Pasture condition has been good and the milk flow above average. The hay crop was heavy but some was harvested late.

Fall wheat is all harvested in Leeds County and yields were excellent. Haying operations are completed and yields were heavy. Binding of oats is well underway and combining is just beginning, with fair to good yields reported. The corn crop is slow due to the cool weather. Pastures are in poor condition and some are burned. Grain crops in Dundas County are reported to be average. Second-crop hay is not as good as usual due to the dry weather. Pastures are in very good condition and need rain badly. The corn crop is also behind normal. In Renfrew County threshing and combining of fall wheat is almost completed. Yields of 40 to 50 bushels per acre were reported. Binding of barley and oats commenced August 1 and these crops are above average. Moisture is now needed in the eastern section of the county. A report from Kapuskasing indicates that early varieties of barley and oats which were sown in mid-May are rapidly approaching maturity. Over two inches of rain fell on August 7, almost equalling the total rainfall in July. New seedings are in good condition.

MANITOBA

Moderate to heavy rains fell over the province of Manitoba during the past week and there is sufficient moisture now in most districts to fill early-sown grain. Additional precipitation will be required for late crops. The yield of early-sown grain is expected to be average or better but late-sown grain is poor and some has been ploughed under. There has been premature ripening at Altona and on light soils elsewhere. Late-sown flax is poor and the beet webworm is attacking some fields. Swathing is underway in most districts and will be general this week, with combining general next week. Hot weather is favouring growth of special crops, but they need more moisture to maintain normal growth. Rains have helped pastures which had deteriorated badly under the hot, dry conditions. It has been necessary to 'dry feed' milk cows in the Winnipeg milk shed. The second crop of alfalfa is only fair and yields of wild hay have been disappointing. A shortage may occur.

Swathing commenced last week and will be in full swing this week at Vita in south-eastern Manitoba. Some combining started on Tuesday. Early-sown crops still appear fairly good in spite of little or no precipitation since the last week of June. Hay crops deteriorated badly due to lack of moisture and grasshopper damage. At Altona scattered showers last Sunday provided relief to a drought situation, particularly for sugar beets, sunflowers and late-sown flax. Most areas need considerably more rain. The cereal harvest has started and premature ripening is reducing yields except on fallow and beet land. The barley crop is mostly poor; wheat is average; second-cut alfalfa yields are fair; and field peas are average and starting to ripen. The odd early flax field has been swathed. In the Morden district, 1.5 inches of rain was received last Monday with somewhat less to the west. Harvesting progressed last week in the Pembina triangle, but farther west at Manitou crops are later. Swathing will begin there this week. Crops threshed to date are fair and others are turning rapidly.

In south-central Manitoba at Pilot Mound early-seeded crops are now being swathed and harvesting operations will become general in a week to ten days. Recent rains amounting to one-half to one inch throughout the area have improved the rapidly deteriorating pastures. Haying is now completed at Somerset except for second-cut

alfalfa which is now underway. Tuesday's rain will help late-seeded crops. Early-seeded wheat is now being swathed, especially in the west end of the district. Estimated yields are wheat 35, oats 40 and barley 30 bushels per acre. Harvesting should be general in two weeks.

Hot weather has hastened maturity of grain crops at Beauséjour, but good rains over last weekend have halted the near drought conditions. Late crops and pastures will now show improvement. Swathing of grain is expected to be general this week. Yield prospects of wheat and oats are good while those of barley are only poor to fair. Early barley and wheat are being swathed at Portage la Prairie and some barley of good quality has been combined. Wheat should be average in yield and better than average in quality. Oats are fair to good but late barley is mostly poor. Flax is good. The drought has reduced pea prospects which were good. Rains are needed for the root crops.

The Experimental Farm at Brandon reports that high temperatures have continued to prevail over the past two weeks with a slightly cooling trend during the past few days. Only light precipitation has been received. Crops have been forced into maturity. Swathing is underway and wheat yields will be relatively good, oats and flax variable whereas barley will be only fair to poor. Late-sown crops are deteriorating badly and loss of grade through shrinkage of kernel may be expected. Farther west at Virden swathing of all grains is general and crop prospects are excellent, especially from Sinclair to Reston through Cromer, Virden and Hargrave. Combining of early barley and some wheat will be underway this week. The rye harvest is well advanced. Moisture is generally adequate in this district and pastures are fair to good.

In the Interlake area, at Teulon, cereal crops are advancing fairly fast and swathing will commence on early-seeded fields in about a week. Rain amounting to one and one-half inches was received last weekend, and this will help pastures and late-seeded crops.

At Neepawa, all crops are ripening quickly and swathing has just started. Hay yields were average over the entire district and slightly below average grain yields are expected. There has been localized infestation of beet webworms and grasshoppers and flea beetles are prevalent. Above normal temperatures last week at Minnedosa caused some damage to late-seeded crops, however, light rains in scattered localities have eased the problem. Haying is nearly completed, and second cutting of alfalfa will be underway shortly. There have been scattered reports of beet webworm damage. Farther west at Shoal Lake heat during the past week has also brought crops rapidly to maturity. Fall rye has been swathed as well as a considerable amount of oats and barley. A light rain on August 9 will help late crops considerably. Damage to flax fields was caused last week by the beet webworm, with some fields nearly cleaned out.

In northern Manitoba at Dauphin crops sown on summerfallow are fair to good but late-sown and stubble crops are only poor to fair. Some late crops have been ploughed under. Harvesting will start this week and become general next week. Sunday's rainfall of two and one-half inches will help crops and especially pastures. Beet webworms have been causing severe damage to flax fields.

The Canadian Hail Underwriter's Association reports that a storm caused light damage at Beauséjour on August 5. The average precipitation for the province since April 1 has been 12 per cent below normal as compared with 20 per cent below normal a week ago, 18 per cent below normal two weeks ago and 6 per cent below normal a year ago. The mean temperature for the week ending August 8 was 1.8 degrees above normal as compared with 1.2 degrees above normal a week ago, 4.8 degrees above normal two weeks ago and 4.7 degrees above normal for the week ending August 10, 1959.

SASKATCHEWAN

Following weeks of hot, dry weather recent rains have halted the steady decline in Saskatchewan crop prospects. Moisture conditions in most areas are now adequate to carry grains to maturity, with the rains having generally benefited late cereals and flax. There is considerable infestation of beet webworm, particularly on rape and to a lesser extent on flax. Rape is also suffering from widespread infestation of diamond back moth larvae. Considerable spraying is being undertaken. Heavy grasshopper damage is also reported at local points. Grains are ripening quite rapidly in southwestern and west-central areas and harvesting of coarse grains is underway. About half of the fall rye acreage has been harvested, with above-average yields reported.

Early crops are ripening rapidly in the Fillmore area southeast of Regina and some swathing has already been done. Crops on stubble and some on summerfallow show evidence of severe burning during the long, dry period. Recent rains, however, will greatly benefit late cereals, flax and pastures. Garden crops show excellent productivity. In the Indian Head area grain crops on light land suffered from drought and did not fill properly. Swathing has started on these crops. The sample will be poor and yields light. Crops on heavier lands are standing up well and rains of a half inch or more over last weekend will fill them nicely. Swathing will be general on the heavier land during the next week. The weekend rain revived pastures which had become very dry.

Hot, dry weather throughout July prematurely ripened many crops in the Swift Current area. Some barley and early-seeded wheat have already been swathed and kernels are somewhat shrunken, reducing both yield and grade. However, good rains will benefit late crops and pastures, and yields of wheat and flax are expected to be slightly above average. At Big Beaver, in the south-central part of the province swathing is now general with wheat expected to average 14 bushels per acre with a fair grade. However, some wheat has shrunk badly and the odd trace of rust has been noted. Combining will start about the middle of the month. Hay crops were very good and pasture lands are still green although the ground is very dry.

Due to extreme heat in July crop prospects are now much lower than anticipated earlier around Eastend in the southwest corner of the province. Harvesting of barley has commenced. The top yield is 25 bushels per acre but 15 bushels is more common. Harvesting of wheat should be general next week with yields expected to average about 12 bushels. Some grasshopper damage has occurred in oats but hail losses have been light. An adequate hay crop of good quality was taken off. Farther north at Leader swathing is general. Yields appear to be about average but the samples are somewhat light.

At Togo in east-central Saskatchewan a half inch of rain has freshened crops and late seedings may still come on. A large percentage of second crop barley has been tilled down or grazed. Most oats are very short. Wheat on summerfallow has held up fairly well but most heads are filling only two rows, with some three rows. Very early wheat is badly shrunk. Harvest of early crops should begin in a week or ten days in the Willowbrook area where an average crop is expected. Late crops, however, are very poor due to lack of moisture. Harvesting of fall rye is underway with the sample and weight turning out very well. The weather remains hot.

At Drake, east of Saskatoon, most grain crops were forced prematurely by heat and drought during July. Rye has been swathed and cutting of coarse grains is underway. Three-quarters of an inch of rain fell over the weekend and prospects are now good for an average crop. Haying is completed and livestock are in good condition.

Crops have ripened rapidly in the area around Scott in west Saskatchewan due to earlier heat and drought. However, recent showery weather has slowed the process. Some swathing has started but yields will be low with only fair quality. Farther north crops are generally very good, with moisture reserves adequate to properly fill the grain.

Moisture conditions in the Melfort area of northeastern Saskatchewan are good after 2.31 inches of rain which fell on August 4 and 5. Crops are medium tall and good stands have been produced. Early-seeded fields of cereals are in the late milk or early dough stages. Early-seeded rape fields have been swathed but damage by insects has been severe on this crop. Crops around Nipawin are in very good condition. Clover and grasses are approaching maturity with generally good stands. Many grass crops are now being swathed. Moisture supplies are ample with 1.2 inches of rain falling during the past week. Airplanes have been busy during the past week spraying bugs in rapeseed and barley crops. The weather has been very warm and crops are filling well.

The Entomological Laboratory at Saskatoon reports that severe infestations of diamond back moth larvae are widespread in rape, with extensive control operations underway throughout the rape growing areas of Saskatchewan. Timely spraying is averting serious damage in most fields but up to 50 per cent loss has occurred in some. Beet webworm larvae are damaging a few fields of rape and flax in the Birch Hills, Melfort, Humboldt, Aylsham and Carrot River areas. Moderate infestations of flax bollworm are reported on flax in west-central Saskatchewan.

Hailstorms are reported at the following points by the Canadian Hail Underwriter's Association: July 28 - St. Walberg area (light), North Battleford area (light), Leroy-Watson area (medium), Porteous to Aneroid to Kincaid to Wood Mountain (medium to heavy); August 2 - Torquay area (medium); August 3 - Young-Quinton-Kelvington areas (light); August 4 - Minton area (light to medium), Verwood, Ormiston, Claybank areas (light to medium). The Saskatchewan Municipal Hail Association reports storms as follows: July 28 - Lisieux, Fir Mountain and Aneroid; August 2 - Estevan, Torquay, Limerick and Biggar; August 3 - Humboldt, Young and Perdue; August 4 - Willow Bunch, Mankota, Verwood, Viceroy, Crane Valley and Bayard.

Average precipitation for the province since April 1 has been 0.4 per cent above normal in contrast to 10 per cent below normal a week ago, 7 per cent below normal two weeks ago and 24 per cent below normal a year ago. Mean temperature for the week ending August 8 was 1.0 degrees above normal compared with 1.8 degrees above normal a week ago, 6.0 degrees above normal two weeks ago and 3.1 degrees above normal for the week ending August 10, 1959.

ALBERTA

Crops in Alberta are advancing rapidly and date of harvest should be about average. Wheat yields are expected to vary from 5 to 15 bushels in the Medicine Hat and Hanna areas to between 20 and 35 bushels in northern districts. Harvesting of fall rye and winter wheat is now general. Some early spring grains have been cut in southern areas and barley is being swathed at a number of points including Wetaskiwin and in the Peace River region. Harvesting will become general in the south next week and by the last week of the month in all areas where drought had forced the crops. Recent rains were beneficial to late crops and were particularly useful in southern and northern areas where moisture requirements of heavy stands were high. Yields of mustard seed will be light but rapeseed prospects are generally good. Harvesting of fescue and brome seed is getting underway with fairly good yield prospects. Haying is about finished.

Barley harvesting began last week in the Manyberries area of southeastern Alberta but yields are low. Other crops have also deteriorated from lack of rain. Ranges are dry, creating a fire hazard. Livestock are in good condition but many farmers have cut coarse grain crops for feed. Rain has benefited late crops in the Medicine Hat district. Barley and early wheat are now being harvested. Livestock are in good condition.

Rains last week in the Lethbridge area ended six weeks of hot, dry weather. This moisture will be beneficial in filling grain. Combining of barley and winter wheat has started and canning beans and cucumbers are being harvested. Irrigated sugar beets, sunflowers, canning corn and hay are in satisfactory condition. In the Cardston area harvest of fall grains has been delayed by heavy rains but should get underway by the end of this week. Spring crops and pastures are improving.

In the Brooks area, good scattered showers have partially relieved drought in some parts of the district. Barley, oats and wheat are being swathed and some good crops are reported on irrigated land. Dry land wheat may yield only 6 to 12 bushels per acre. There will be a good second cut of alfalfa hay. Hailed crops are being put up for feed.

Cool, showery weather has been experienced around Calgary but a warming trend is again in evidence. Moisture conditions are good. Barley is beginning to turn colour, with some early fields expected to be swathed next week. Crops prospects remain very good. Moisture conditions are still fair in the Olds district but more rain would be beneficial. Some swathing of barley has been done and with continued hot weather will be quite general by August 15. The present outlook is for a heavy crop.

All crops are in good condition in the Sedgewick district of central Alberta, with some wheat starting to ripen. Swathing of a fairly heavy fall rye crop is underway. Haying is mostly finished and yields have been good. Pastures are doing well. Farther south at Donalda crops are turning colour. Wheat is in good condition and should average 20 bushels per acre. Barley and oats are very good but rye is a little thin. Moisture supplies are ample in the western part of the district but the eastern section should have further rain to finish the coarse grain.

Some burning occurred in cereal crops in the Lacombe district as the result of hot weather. However, just over an inch of rain received on August 3 and 4 should be sufficient to complete maturity of early-seeded crops. Swathing of early barley has begun. Hay and pastures have been dry but are now improving rapidly. Farther west at Eckville two inches of rain fell on August 3 and 4. Swathing will commence August 10 and will be general by the 17th. Yields are estimated as follows: wheat, 30 bushels; barley, 35; and oats, 42 bushels per acre. Some burning occurred in the crops but heads are expected to fill well now. Summerfallow and pastures are in good condition.

Crops are advancing rapidly due to hot weather in the Vermilion area east of Edmonton. Some deterioration has occurred south of Vermilion due to heat and lack of adequate rain. Yields will be reduced. North of the town crops are lodging due to heavy rains and wind. Swathing will commence in about ten days. Ninety per cent of the haying is completed with the crop put up in good condition. Moisture conditions remain good in the Edmonton area with warm, dry weather now needed.

All crops are making rapid and vigorous growth in the Bonnyville area northeast of Edmonton. Moisture supplies are plentiful and warm weather now prevails. Early grain is beginning to turn colour and cutting will start next week. However, the main crop is very green and harvesting will not be general before September. Given favourable

conditions heavy yields are in prospect. Rainfall since May 1 has amounted to 13.6 inches in the Colinton area north of Edmonton. Crops are good except for a hailed strip about one and a half miles wide through the district where damage ranged from 0 to 100 per cent. Harvest will commence in about a week. Hay and pastures are good. The Dominion Experimental Farm at Beaverlodge in the Peace River area reports that continued hot, dry weather is forcing development of all crops. Harvesting of fescue and barley is beginning. Reduction in seed sizes is anticipated.

Hailstorms were reported at the following points by the Canadian Hail Underwriter's Association: July 28 - Myrnam area (light); July 31 - Legal area (light); August 3 - Pageant area (light). The Alberta Hail Insurance Board reports as follows: storms on July 28 and 29 struck an area through Brosseau, Morecambe, Beauvallon, Myrnam, Mannville and Paradise Valley. A small storm occurred on July 31 in the Westlock-Vimy area and a spotty storm on August 1 through Tiger Lily, Barrhead, Radway, Perryvale, Rochester and Waskatenau. Spotty damage was caused on August 3 around Nanton, Midnapore, Vulcan, Cardston, Pincher Creek, Fort Macleod, Okotoks, Brooks, and Coaldale. Hail was also reported at Olds, Butte, Huxley, Three Hills, Trochu, Sylvan Lake and Reno. On August 4 a streak of hail occurred east of Calgary through Langdon, Cheadle, Strathmore, Standard and Chancellor. A small local storm occurred on August 6 around Fort Macleod. Recent hailstorms seem spotty and more of a local nature than those in July.

Average precipitation for the province since April 1 has been 6 per cent below normal compared with 11 per cent below normal a week ago, 7 per cent below normal two weeks ago and 10 per cent below normal a year ago. Mean temperature for the week ending August 8 was 1.3 degrees above normal compared with 4.8 degrees above normal a week ago, 3.3 degrees above normal two weeks ago and 0.7 degrees below normal for the week ending August 10, 1959.

BRITISH COLUMBIA

Harvesting of seed peas is well underway in the Creston district of British Columbia, but yields are expected to be lower than average. Early barley and winter wheat are being swathed now, while remaining cereal grains are maturing rapidly and should benefit from recent rain. Second-cut hay yields are reduced, the rains being too late to improve them. Pasture growth has been depressed so far but should benefit from these rains.

In the South Okanagan Valley the weather continues to be very hot and dry. Harvesting of cannerly apricots and Duchess apples is at its peak while Moorpark apricots are finished with excellent quality reported. Early peaches are just commencing in the southern area. Harvesting of Bartlett pears is expected to begin early next week, while early strains of Italian prunes are expected to start around the 25th of this month.

A new record of forty-five consecutive rain-free days is being reported from the Lower Fraser Valley. Pastures are parched and late harvested canning peas are poor. Second early potatoes are fair, while raspberries are finished, with average yields reported. Canning corn and beans need rain to improve. Harvesting of oats should be general by August 17.

Spring oats and barley are being harvested now in the Vancouver Island district with good yields expected. Lack of moisture has reduced the loganberry croppicking which is nearing completion. Second early potato picking has just started with about average yields reported. Only irrigated crops are thriving.

A good crop of hay has been reported from the Central Interior area. However, second growth of all hay and pasture crops has been limited on account of lack of rain. Cereal

crops are maturing quickly and should be ready for harvesting soon. In the Smithers region forage harvesting is almost complete with good quality crops and average yields reported. An increase is expected in the acreage of timothy for seed.

In the Peace River district early barley crops are in swath while general harvest should commence in about ten days. Hot and dry weather caused some burning, particularly in oat crops. Cereal grain yields are expected to be fair, provided no early frost damage occurs.

Precipitation and Temperature Data, Prairie Provinces^{1/}

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending	Total	Normal	Week ending 8 a.m.	
		8 a.m.	since	since	August 8	
		Aug. 8, 1960	April 1	April 1	1960	Normal
		- inches -			- degrees F. -	
MANITOBA						
1	Pierson	2.32	9.13	9.66	67	67
	Waskada	2.99	8.47	10.06	68	67
2	Boissevain	1.76	9.41	9.79	67	66
	Deerwood	1.33	8.69	9.68	71	66
	Ninette	1.80	8.60	10.21	67	66
	Pilot Mound	1.64	9.39	10.02	68	66
3	Portage la Prairie	.24	7.45 ^{2/}	9.74	69	68
	Graysville	.57	9.34 ^{2/}	9.32	69	67
	Morden	1.52	8.07	9.92	70	68
	Altona	.71	6.79	9.36	69	68
	Morris	.47	7.68	8.73	70	69
	Roland	.61	7.18	9.48	69	68
	Gretna	.17	6.65	9.41	70	68
	Emerson	.05	7.59	9.36	70	69
	Stonewall	.22	7.01	9.42	68	68
4	Winnipeg	.55	6.70	9.21	70	68
6	Sprague	1.64	11.85 ^{2/}	10.35	67	64
	Seven Sisters Falls	1.45	7.64 ^{2/}	8.70	67	65
	Steinbach	1.99	9.12	9.59	68	67
7	Virden	1.04	8.87 ^{2/}	9.17	68	67
	Reston	N.R.	5.23 ^{2/}	9.65	N.R.	67
	Rivers	.52	8.58	10.92	68	66
8	Brandon	.39	8.44	10.38	68	65
	Cypress River	.93	8.11	9.56	69	67
9	Neepawa	.45	6.70	9.58	69	66
	Grass River	1.91	6.34	9.96	67	66
10	Russell	.21	7.25	8.80	67	64
	Rosburn	.52	9.57	8.96	67	63
	Birtle	.53	9.94	9.44	66	63
11	Dauphin	2.49	8.63	8.96	66	66
12	Gimli	1.78	11.06	9.64	66	65
13	Swan River	1.99	9.72	8.88	66	62
	The Pas	.09	6.79	7.56	66	63
MANITOBA AVERAGE		1.09	8.33	9.50	68.0	66.2

SASKATCHEWAN

1A	Estevan	1.00	7.91	9.45	67	67
	Carlyle	1.57	8.65	9.17	66	64
	Oxbow	2.28	8.49	9.55	64	65
	Willmar	1.41	8.84	9.04	N.R.	N.R.
1B	Broadview	1.47	7.70	9.32	66	63
	Moosomin	1.33	8.89	9.85	67	66
2A	Yellow Grass	.91	7.66	8.52	66	66
	Creelman	2.10	9.93	8.59	65	65
	Weyburn	1.63	7.93	8.62	63	66
	Midale	1.26	6.78	8.41	66	66
2B	Moose Jaw	.98	8.04	7.79	67	67

Precipitation and Temperature Data, Prairie Provinces^{1/}

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending	Total	Normal	Week ending 8 a.m.	
		8 a.m.	since	since	August 8	
		Aug. 8, 1960	April 1	April 1	1960	Normal
		- inches -			- degrees F. -	
SASKATCHEWAN (continued)						
2B	Regina	1.00	10.58	8.22	66	66
	Francis	.30	6.56	7.61	64	65
	Qu'Appelle	.90	8.50	8.93	67	65
	Indian Head	.89	6.36	8.28	67	65
	Wilcox	.72	10.23	8.32	66	66
3AS	Assiniboia	1.35	9.63	8.17	65	67
	Ormiston,	2.10	9.27 ^{2/}	8.41	65	67
	Readlyn	N.R.	7.12 ^{2/}	8.41	N.R.	66
	Minton	1.16	9.33 ^{2/}	9.16	65	66
	Cardross	N.R.	10.88 ^{2/}	8.38	N.R.	67
3AN	Ceylon	N.R.	5.27 ^{2/}	9.40	N.R.	66
	Chaplin	1.23	7.30	7.17	66	66
	Gravelbourg	1.07	10.45	8.16	66	66
	Coderre	1.44	9.36	7.92	64	67
	3BS	Shaunavon	.54	6.83 ^{2/}	7.32	64
Cadillac		N.R.	5.42 ^{2/}	7.96	N.R.	66
Pambrun		1.23	9.68	8.37	65	66
Aneroid		1.37	6.50	7.39	66	66
Instow		.55	5.69	7.45	65	66
3BN	Pennant	1.31	7.41	7.20	65	66
	Swift Current	1.57	8.96 ^{2/}	8.07	64	66
	Hodgeville	N.R.	7.54 ^{2/}	8.23	N.R.	66
	Hughton	N.R.	4.89 ^{2/}	6.77	N.R.	66
	4A	Maple Creek	2.88	7.10	7.14	66
Consul		.46	3.92 ^{2/}	6.54	63	64
4B	Abbey	.99	5.84 ^{2/}	6.31	68	66
5A	Cupar	1.00	9.46 ^{2/}	7.64	66	65
	Leross	N.R.	3.41 ^{2/}	8.22	N.R.	61
	Lorlie	.22	8.18	8.22	68	61
	Melville	.80	5.73	8.12	67	64
	Yorkton	.39	5.19	8.44	67	64
5B	Bangor	.23	4.49	8.48	67	65
	Dafoe	1.96	8.67	8.53	67	65
	Foam Lake	1.00	7.95	8.59	68	64
	Lintlaw	1.14	10.39	8.52	65	62
	Kamsack	.51	4.91	8.25	67	64
6A	Arran,	.94	6.10	8.47	65	63
	Dilke	1.25	7.83 ^{2/}	6.99	N.R.	N.R.
	Imperial	N.R.	4.94 ^{2/}	7.38	N.R.	65
	Semans	.82	7.42	6.81	67	65
	Strasbourg	1.02	8.70	7.77	66	64
6B	Watrous	.69	7.12 ^{2/}	7.04	67	65
	Harris	N.R.	6.45 ^{2/}	6.87	N.R.	65
	Outlook	.99	5.43	6.50	66	66
	Saskatoon	.68	6.63	7.77	68	65
	Elbow	.73	7.25	6.68	N.R.	66
	Tugaske	1.11	6.72	7.46	66	65
	Dundurn	1.02	6.86	7.07	67	65

Precipitation and Temperature Data, Prairie Provinces^{1/}

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending	Total	Normal	Week ending 8 a.m.	
		8 a.m. Aug. 8, 1960	since April 1	since April 1	August 8 1960	Normal
		- inches -			- degrees F. -	
SASKATCHEWAN (concluded)						
6B	Rosthern	2.08	9.83	7.76	66	64
7A	Alsask	.81	4.59	6.43	66	65
	Kindersley	1.27	6.27	6.51	66	65
	Rosetown	.42	8.55	7.51	66	65
7B	Macklin	2.30	6.57	7.26	67	64
	Scott	.63	5.58	7.24	67	63
	Biggar	3.86	10.20	7.29	68	65
8A	Hudson Bay	1.84	10.36	8.51	65	62
	Porcupine Plain	6.48	16.08	8.43	63	64
	Prairie River	1.73	10.63	8.25	64	64
8B	Humboldt	2.07	7.78	7.30	67	64
	Melfort	2.31	8.61	7.77	66	64
9A	North Battleford	.52	7.20 ^{2/}	7.35	66	65
	Victoire	N.R.	8.20 ^{2/}	7.36	N.R.	61
	Prince Albert	1.11	8.66	7.99	66	64
	Island Falls	.03	6.88	8.14	64	62
9B	Waseca,	.80	8.00	7.47	65	62
	St. Walburg	.69	9.36	7.83	64	61
SASKATCHEWAN AVERAGE		1.26	7.95	7.92	65.8	64.8
ALBERTA						
1	Empress	.37	3.28	4.13	67	69
	Foremost	1.19	5.22	7.35	66	68
	Hanna	.52	6.66	7.36	65	63
	Manyberries	.28	5.76	5.93	65	68
	Medicine Hat	.77	5.21 ^{2/}	6.43	66	69
	Naco	.71	9.65 ^{2/}	6.45	62	64
	Winnifred	.94	5.30	6.26	N.R.	N.R.
2	Brooks	.31	4.41	6.47	64	67
	Drumheller	.17	5.66	7.10	64	65
	Gleichen	.41	4.42	7.70	63	63
	Hays	.83	3.53	6.48	66	68
	Hussar	1.00	6.47	7.43	N.R.	N.R.
	Raymond	1.68	8.03	8.14	63	65
	Lethbridge	1.52	7.03 ^{2/}	7.29	64	64
	Strathmore	N.R.	7.20 ^{2/}	8.36	N.R.	62
	Taber	1.16	6.27	7.05	65	62
	Three Hills	.36	5.73	8.11	62	62
	Trochu	.39	5.34 ^{2/}	8.79	61	62
	Vulcan	N.R.	5.40 ^{2/}	7.80	N.R.	63
3	Calgary	.69	9.03	9.53	60	61
	Cardston	2.07	6.95	8.91	61	64
	Cowley	1.99	5.23	8.93	61	60
	Fort MacLeod	1.62	6.50	8.88	63	66
	High River	1.98	7.80	10.28	59	60
	Jasper	.84	8.86	5.82	60	59
	Magrath	2.56	9.27	7.72	64	64



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Precipitation and Temperature Data, Prairie Provinces^{1/}

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending 8 a.m.	Total since	Normal since	Week ending 8 a.m. August 8	
		Aug. 8, 1960	April 1	April 1	1960	Normal
		- inches -			- degrees F. -	
<u>ALBERTA (concluded)</u>						
3	Olds	.35	8.13	9.69	60	60
4	Alliance	.25	8.34 ^{2/}	8.67	64	61
	Camrose	1.09	7.64 ^{2/}	8.00	62	62
	Coronation	.23	5.44 ^{2/}	8.25	64	62
	Hardisty	.50	3.56 ^{2/}	7.86	N.R.	N.R.
	Hughenden	2.67	7.39	7.83	64	62
	Lloydminster	.62	7.85	7.59	65	63
	Stettler	.52	5.41	9.23	63	62
	Vegreville	.84	6.40	8.11	65	62
	Vermilion	.32	7.68	8.59	66	61
5	Edmonton	3.02	11.61	9.60	64	62
	Lacombe	1.11	7.87	10.07	61	61
	Red Deer	.74	10.00	9.38	62	59
	Rocky Mountain House	1.64	9.46	12.55	59	59
	Wetaskiwin	2.58	12.24 ^{2/}	9.34	63	61
6	Athabasca	N.R.	13.42 ^{2/}	8.52	N.R.	59
	Campsie	.77	11.56	10.01	63	59
	Edson	.64	11.08	10.51	61	58
	Elk Point	.52	12.58	8.16	65	59
	Embarras	NIL	6.02	5.87	67	61
	Lac la Biche	1.16	10.66	8.60	64	62
	Whitecourt	.25	11.19	11.06	60	48
7	Beaverlodge	.31	11.69	7.11	62	59
	Berwyn	.12	6.25	6.80	64	59
	Fairview	NIL	6.24	7.44	65	59
	Ft. Vermilion	.91	6.65	5.91	66,	61
	Grande Prairie	.26	9.73	7.27	64	60
	High Prairie	1.28	7.59 ^{2/}	8.62	64	60
	Rycroft	N.R.	9.59 ^{2/}	6.96	N.R.	60
	Wagner	1.11	10.46	8.08	63	59
ALBERTA AVERAGE		.92	7.60	8.09	63.3	62.0

N.R. - No report.

^{1/} - Source: Meteorological Service of Canada.

^{2/} - Incomplete; not included in average.