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## Field Crop Reporting Series — No. 16

### TELEGRAPHIC CROP REPORT — CANADA

This is the fifth of the 1971 series of six telegraphic reports, issued by Statistics Canada covering crop conditions throughout Canada. Included in this report is the tenth of a series of eleven telegraphic reports on crop conditions in the Prairie Provinces. A selected list of crop correspondents chosen from the Federal and Provincial Departments of Agriculture, private crop observers and grain men supply the information on which these reports are based. The weather data included in this release are furnished by the Meteorological Division, Department of Transport.

### SUMMARY

Maritime Provinces. — In Prince Edward Island recent rains have interfered with grain harvesting, however, crop prospects remain good. The potato outlook is good although little harvesting has been done to date. Harvesting of cereal crops has commenced in some areas of Nova Scotia and the crop outlook is average. However, in low-lying areas damage resulted from flooding last week. The corn crop appears fair to good and the damage from last week's storm was only slight. Early apples are now being harvested with no appreciable hurricane damage. Crop conditions for vegetables are average except for areas affected by last week's flooding. The hay harvest is mostly completed with a better than average crop taken off. Pasture conditions are also good with some flooding in low-lying areas. It is expected that the blueberry crop will be down slightly from last year. Harvesting of this crop is well under way. In New Brunswick cereal crops are maturing and harvesting is progressing. The recent high humidity and frequent precipitation was detrimental to the harvesting of the bumper hay crop. The second crop of forage from early-cut hay fields progressed favourably and was harvested in good condition. Pastures are beginning to dry and supplementary feeding of livestock is required to maintain fluid milk production. Tobacco harvesting commenced August 16 and prospects indicate one of the heaviest

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crops on record. Early apple harvesting continues and late varieties are maturing well. Blueberry harvesting is in progress and at least an average crop is expected. Digging of early and mid-season potato varieties is general in all areas. Top killing of the main crop is presently being carried out. Vegetables are in plentiful supply and above average yields are being harvested.

Quebec. — During the last five weeks the temperatures have been close to normal throughout Quebec except for the Montreal and Gatineau Valley districts where conditions have been somewhat warmer than usual. Rainfall for the most part has been sufficient to maintain, or in some cases rebuild, soil moisture reserves sufficiently to insure satisfactory plant growth. However, exceptions are found south of Montreal, in the Gatineau Valley, Trois-Rivières and the Lower St. Lawrence district where precipitation has not been as plentiful.

Ontario. — Recent weather has been ideal for harvesting spring grains and aftermath. Combining of grains has been completed in some areas of southern Ontario but generally 30 to 40 per cent of the total acreage of grains is yet to be harvested. Many areas of southern Ontario remain extremely dry even after the violent thunderstorms which swept over much of the province during the past weekend. Rain, which accompanied the high winds, was spotty and did little to alleviate the dry conditions. Moisture conditions have, however, improved in most other areas of the province as their condition was not so acute. Corn and soybeans are coming along well considering the limited rainfall but average yields of both crops will be down considerably unless rain is received immediately. Tobacco priming is under way in the major tobacco growing areas while harvesting of tomatoes is in full swing.

Prairie Provinces. — Swathing is general in Manitoba and Saskatchewan and in the earlier districts combining is under way. Southern Manitoba reports up to 35 per cent of the crops combined while in Saskatchewan most progress with combining has taken place in the southwestern part of the province. Generally good yields are in prospect. The armyworm infestation in rapeseed fields in Saskatchewan has now passed its peak and spraying is now being discontinued. In Alberta, recent rains halted harvesting operations but work has now been resumed and should be general in all parts of the province by the end of the month. Previously hot, dry weather brought about premature ripening in southern Alberta but farther north where the crops are not as far advanced the recent rains will be beneficial.

British Columbia. — Cooler temperatures and scattered precipitation in most parts of the province have resulted in some improvement in crop conditions. Prolonged hot weather and lack of rainfall in late July and early August had caused considerable damage and reduced yields in a number of crops. At the Coast vegetable harvesting continues in full swing with an average onion and table corn crop reported. Lettuce is now improving in quality while greenhouse tomatoes are finished. In the Interior Yellow Transparent apples are now finished and other early varieties are coming off in only fair condition due to heat and sun scald damage. Harvesting of Bartlett pears has commenced but the bulk are in smaller size ranges due to the unfavourable growing conditions. Sun scald is expected to be an important limiting factor in the quality of the later apple varieties as well as other tree fruits. The table corn harvest is over and other vegetable crops are now being harvested on schedule. However, lower than average yields are reported. In the Peace River District average yields are anticipated in most areas. Pasture growth has been sharply reduced but late cut hay came off relatively well in spite of reduced yields.

#### RUST REPORT

The Canada Department of Agriculture Research Station in Winnipeg reports that wheat leaf rust is widespread but most of the crop is approaching maturity and will

be further damaged. Wheat stem rust is present on wild grasses but has not been found in farm fields. Oat crown rust is heavy in late fields and these will suffer yield reductions. Light infections of oat stem rust occur in late fields but damage from oat stem rust will not be appreciable.

#### MARITIME PROVINCES

In the Charlottetown area of Prince Edward Island about five per cent of the grain is now ready for harvest. Hay crops are still being harvested and some poor quality hay has been put in storage due to the adverse weather conditions. Misses in the potato crop are evident. The silage corn crop is about average this year. About 50 to 60 per cent of the blueberry crop has been harvested with below average yields. Tobacco harvesting has commenced and the crop appears reasonably good. Pastures are in good condition. A heavy rainfall and high winds received August 15 caused moderate damage to silage corn and cereal crops. Damage to the tobacco crop is estimated at about 15 per cent. Present weather conditions are ideal for potato blight infection. Some blight has been reported but potatoes are making satisfactory growth. Cole crops are promising and the broccoli harvest is just commencing. The pea harvest is continuing with good yields being taken off. Second-cut alfalfa and legume grass mixtures are being harvested with above average yields.

In the Amherst area of Nova Scotia harvesting has been delayed due to very wet soil conditions. Grain yields appear average and corn is showing excellent growth. However, some fields are lodged due to the recent high winds and rain. Pastures and second crop hay are excellent. Our correspondent at Truro reports that harvesting of winter cereals is under way. Spring grains are ripening and the yield outlook is good. Vegetable crops, potatoes and corn also look promising and an above average second-cut hay crop is now nearly completed. Blueberry harvesting is now under way and some damage was received due to heavy rains from hurricane Beth. Pastures are above average. In the Annapolis Valley area early apple varieties are now being harvested and there was no appreciable amount of hurricane damage. However, damage was caused to the tobacco crop and it is estimated that up to 25 per cent losses occurred in some fields.

In New Brunswick the recent precipitation was detrimental to the harvesting of the bumper hay crop. Most of the hay received some rain during the swath period and as a result the large volume of high quality forage which was anticipated earlier in the season did not materialize. The second crop of forage from early-cut hay fields progressed favourably and was harvested in good condition. Pastures are beginning to dry and supplementary feeding of livestock is required. Cereal crops are maturing and harvesting is well under way. The tobacco harvest commenced August 16 and indications are for a heavy crop however yield damage occurred during the evening of August 12. Harvesting of early apples continues and late varieties are sizing well. Markets are presently offering Crimson Beauty, Melba and Close. The blueberry harvest is in progress and at least an average crop is expected. Markets and processing plants are being supplied with early and mid-season potatoes. Top killing of the main crop is presently being carried out and harvesting should begin in early September. Local vegetables are in plentiful supply and they are one week to ten days earlier than usual. Vegetable yields are generally better than average. In the Perth region excellent harvesting weather has enabled farmers to make good progress with grain which is now about 25 per cent completed. Average to good crops are being recorded. Harvesting of the early potato crop began about two weeks ago with average yields being taken off. Later potatoes are now being top-killed in preparation for harvest which will be general in about three week's time. Indications are for a good crop.

### QUEBEC

Frequent rains have prevented farmers from finishing haying operations particularly in the Quebec, Abitibi, Beauce County and Lac St-Jean districts. Clover yields are good but grass production has been lower than normal. The dry conditions experienced earlier have resulted in reduced quality of the hay crop now in storage. In many places farmers are now harvesting the second cut of hay. Improved pastures are in good condition but wild pastures leave something to be desired.

In almost all parts of the province the grain harvest is now under way with yields varying from average to good. Grain corn has greatly benefited from the weather conditions of the last few weeks and prospects are very promising. Early potato varieties are yielding well except at Ste-Martine where they are much below normal. Late potato varieties look good.

Horticultural crops have developed normally with good yields reported. The apple crop, which appeared to be slightly better than usual, has been reduced somewhat by hail which caused heavy losses in some thirty orchards in Missisquoi County. A much below normal raspberry crop is now coming to an end and it is expected that the blueberry harvest will also be reduced.

Reports indicate insect damage on several crops, rust and lodging in grain fields, blight on potatoes, as well as damage from grasshoppers and hail.

In the Lennoxville district normal temperatures and heavy rains are reported. As a result there is plenty of moisture in soils, and pastures vary from good to excellent. Satisfactory harvest of second growth hay is also reported while corn growth is excellent. Oats and barley are just about to ripen. At La Pocatiere, farmers have completed hay making with below normal yields but average quality is reported. The reduced production is attributed to unsatisfactory weather during haying. Due to the frequent rains pastures are very good. Apple growers are beginning to pick the fruit and early potatoes are producing good yields while late potatoes hold prospects for a normal crop. Harvesting of grains is starting with yields from 15 to 20 per cent below normal reported.

At Normandin, August temperatures were lower than normal and rainfall was well distributed. Farmers are making good progress with the second cut of hay with yields reported comparable to those of the first cut. Barley has been swathed and early-sown oats are ready for harvest. Early potatoes are being dug and good yields obtained. Pastures are in good condition and milk flow is normal. The blueberry crop is 30 per cent below normal.

### ONTARIO

In Kent county of southern Ontario severe wind and hail damage has occurred in scattered areas. However, recent rain has brought some relief from the drought. Grain corn is at the dent stage. Picking of cucumbers is about finished and harvesting of tomatoes is well under way. Two-spotted mites are reported to be building up on soybeans and the potato leaf hopper population is increasing on white beans. Corn borer damage is generally very low in most areas. Harvesting of spring grains and fall wheat is completed in Middlesex county. Corn and bean yields will be reduced somewhat due to the very dry conditions during the growing season. Pastures are almost exhausted. In Lincoln county harvesting of peaches is in progress about one week later than usual. The principal variety, Red Haven, will come on the market in

volume next week but size has suffered from the prolonged hot, dry weather. Relief from the drought came on August 22 when 1.6 inches of rain fell. Harvesting of processing tomatoes has commenced but some sun scald and bleaching is evident. Planting of fall greenhouse tomatoes has been completed.

In Simcoe county of western Ontario harvesting of wheat and spring grains has been completed and yields were below average. Grain corn has also suffered from the dry weather and yields are expected to be less than average. Harvesting of tobacco commenced a week later than usual and progress is slow. As a result the crop will be under danger of frost. Considerable storm damage occurred on the night of August 22. In Waterloo county harvesting of spring grains has advanced rapidly. Corn continues to make excellent growth and prospects are for an above average crop. Plowing for fall wheat is well advanced. A good rain occurred on August 22. Harvesting of fall wheat is completed in Wellington county and yields were reported to be generally above average. Harvesting of spring grains is proceeding and about 75 per cent of the crop is swathed or ready to combine. The southern area of the county has completed harvesting and both yields and quality were much above average. The corn crops looks exceptionally good but will need much hot weather to reach maturity. Pastures and hay aftermath are in very good condition.

In Durham county of central Ontario dry weather during the past two weeks has facilitated grain harvesting operations. Yields vary from average to above average. However, the dry weather has retarded development of the corn crop and pasture growth is very slow. Harvesting of early apples is under way and quality is reported to be very good. Picking of sweet corn is finished and yields were above average. In Peterborough county severe drought conditions were only partially offset by three-quarters of an inch of rain during the past weekend. Silo filling operations have begun as the crop was drying up and yield prospects have been reduced drastically. Yields of wheat and spring grains turned out unexpectedly well. Pastures are in very poor condition. A light frost occurred on the morning of August 24.

In Carleton county of eastern Ontario harvesting of a good crop of spring grains has just commenced and excellent yields of barley and mixed grain are reported. Some second-cut hay has been harvested but this has been less than other years due to the fact that the first crop was more than adequate and dry weather in July reduced growth. Corn is developing very well and yield prospects appear good at this time. Soil moisture conditions have improved in the past two weeks except in the southern portion of the county where it is still very dry. In Renfrew county corn continues to be an excellent crop with early-seeded fields now in the dent stage. The first three weeks of August were ideal for harvesting fall wheat, spring grains and second crop hay. All crops in the county are above average this season.

A report from Kapuskasing in northern Ontario indicates that precipitation has been above average, temperatures below normal and the first killing frost has just occurred. Most of the cereal crops are lodged and some barley and oats will be ready to harvest in the next few days. Yields of first crop hay were average and the quality was good. The second crop is average and most pastures are in fair condition. In the Thunder Bay district spring grains have ripened rapidly during the past two weeks due to the hot, dry weather and a few farmers have commenced harvesting operations. Digging of early potatoes has commenced and yields are average. Pastures are a little slow and would benefit from additional rain.

MANITOBA

Combining is 20 to 35 per cent completed in southern districts, while swathing is general. Early reports suggest good yields of the major grains. Rye is above average and early flax, buckwheat, and peas are in good condition and almost ready for harvest. There is considerable sclerotina wilt in sunflowers but insect damage is reported as light. The second hay crop is below normal.

In the Dominion City area recent general rain delayed combining for several days. The rain did help pastures and hay harvest is well under way with grain ripening steadily. At Altona, early flax is podded and brown. Flea beetles are becoming a concern in late rape. Sclerotina wilt in sunflowers varies from severe to mild.

At Somerset, swathing will be general by the end of the week with yields expected to be above average. Due to drier weather hay crop yields are down. Pastures are showing some dryness but generally are fairly good. Precipitation at Melita during the past week has been very spotty. Pastures are very dry and moisture is needed to fill late crops. Early crop yields are above average but late crop yields could be severely cut by dry weather and heat. Harvesting is 35 per cent completed.

In the Winnipeg area at Selkirk swathing has been reported as general. Cooler weather and very little moisture lately are making good harvesting conditions. Vegetables and potatoes are very good. The second cut of hay is ready but to date not much cutting has been done. Our correspondent at Stonewall reports swathing of cereals is general with some field combining in progress. The second hay crop is now being harvested and pastures are reported as good.

At Brandon swathing and combining of barley have been general. Some oats have been cut but no wheat or flax. Yields will be above average with barley ranging between 35 and 60 bushels per acre. It is predicted that wheat yields of 35 bushels will not be uncommon. Showers would be beneficial to late crops and to pastures which are holding up fairly well. At Teulon in the Interlake Region grass seed and rye harvest is done with the grass yield average and rye yield of 50 bushels. Early barley is now being swathed. General conditions are very good but there is a frost hazard to late cereals. Rape will be ready in two weeks. Our correspondent at Arborg has reported good weather conditions with one-half inch of rain with all crops maturing rapidly. Polish rape is swathed and early cut fields are being combined. Barley is 20 per cent completed but other grains have just started. The fall rye harvest is completed and excellent yields are reported.

In the west-central area at Neepawa, recent dry weather enabled continuation of harvesting operations. Rye swathing is complete with 75 per cent harvested. Yields are average with 30 bushels per acre. Twenty per cent of the oats has been swathed with 5 per cent harvested; 10 per cent of barley and wheat has been swathed and 40 per cent of the rapeseed. Moisture conditions are adequate with pastures good. At Minnedosa, fall rye has been swathed and some harvesting has been completed. Yields are variable from 25 to 40 bushels per acre. Swathing of early varieties of rapeseed is well advanced. Yield prospects for wheat are good; barley yields should be fair to good. Some early barley has been swathed and combined. Late barley and oat crops are very immature and frost is a real hazard. Numerous reports of Bertha armyworms have been received but infestations are very light and no significant damage is expected. Diseases in rapeseed and other crops are prevalent but damage is reported as light. Hay quality is fair and no second cut is expected since first cut in most cases was very light.

At Shoal Lake in west-central Manitoba swathing of barley and rapeseed was general this past week. Early yields of rapeseed were 20 to 25 bushels with barley 40 to 60 bushels per acre. Later crops will not be ready for swathing for two or three weeks.

Our correspondent at Dauphin in the northwestern area has reported Bertha armyworm infestation in rape reaching epidemic proportions last week. Aerial spraying with Lannate involved approximately 6,000 acres with good control. Rye combining is in progress. Barley swathing commenced early last week and is to become general this week. Moisture conditions are good and haying operations have been completed with an ample supply.

The unweighted average precipitation for the province since April 1 has been 16 per cent above normal, compared with 14 per cent above normal a week ago, 26 per cent above normal two weeks ago, and 7 per cent above normal a year ago. The mean temperature for the week ending August 23, 1971 was 4.1 degrees above normal, compared with 0.1 degree above normal a week ago, 0.3 degree above normal two weeks ago and in contrast to 0.6 degree below normal a year ago.

#### SASKATCHEWAN

Crops are ripening quickly throughout the province due to very hot weather last week. Swathing has become general and combining is well advanced in the southwest but delayed elsewhere. Approximately 5 per cent of the wheat, 13 per cent of the barley, 10 per cent of oats, 5 per cent rapeseed, and 70 per cent fall rye are now combined. While 20 per cent of the wheat, 40 per cent of the barley, 30 per cent of the oats, 3 per cent of the flax, 25 per cent of the rapeseed and 19 per cent of mustard are now swathed. The armyworm threat is now declining and spraying is ceasing in most areas. Over 600,000 acres have been sprayed for armyworms and damage in areas sprayed ranges from five to thirty per cent. In a few isolated cases rapeseed has been virtually wiped out. Yield estimates are very promising and bumper crops are expected.

In the southeast part of the province at Willmar very little rain has fallen since July 15 although 8.65 inches were received since April 1. Crops are very heavy, fall rye is harvested and yielded about 25 bushels while barley is yielding about 50 bushels per acre or better. Some wheat is being swathed but remains very green. Pastures are very dry but summerfallows look good. At Fillmore cool damp weather has slowed the harvest but hot weather during the past week resulted in rapid maturity. Early crops have been swathed and some combining is reported. Early yield figures report rye from 25 to 40 bushels and barley up to 70 bushels per acre. Pastures in this area appear in good condition. Our correspondent from Indian Head reports hot, dry weather has continued to hasten maturity of all crops. Swathing of all crops will be general by this weekend. Fall rye is all swathed and most of it combined with yields up to 25 and 30 bushels per acre. Swathing of barley and rapeseed is well advanced with some threshing completed. Barley has been yielding up to 40 bushels per acre. Some shrinkage of kernels is occurring on lighter land but heads are filling very well on heavier soil types. No stem rust has been found in the area but traces of leaf rust are present but appear to be no threat to the crop. No Bertha armyworms have been reported on the rapeseed crop, nor are grasshoppers present in this area. Haying operations are nearing completion with a fair crop reported. Pastures are now turning brown due to the hot, dry weather but cattle appear to be doing well. Summerfallow fields are generally in good condition.

At Val Marie in the southwest part of the province harvesting is 10 per cent completed with better yields than anticipated. Wheat is averaging about 25 bushels on summerfallow and 13 on stubble, while barley is averaging about 40 and oats approximately 50 bushels per acre. Flaxseed in the area is very short. Sunflowers look reasonably good where gophers did not cause damage. Pastures are very dry but second cutting on irrigated hayland is under way and expected to be good. In the Eastend area harvesting is general with much straight combining due to the shortness of the crop. Second cutting of irrigated hay will be late. Cows are in good condition but calves are lighter than normal. At Leader, barley is being combined with good yields reported but the sample is only fair. All wheat in the area is swathed and what has been combined indicates the sample only fair but yields good.

In east-central Saskatchewan around Togo bad weather has retarded harvesting operations. Crops appear heavy but are slow maturing. Swathing will be general with dry weather. Barley yields are expected to be very good. Summerfallows are well cultivated and haying is nearly completed. Frost will be a big factor in regard to yields and grades in this area. At Endeavour all crops in the area are filled and ripening well. Swathing of barley and rapeseed is general, with some rapeseed harvested showing a good sample and yielding about 20 bushels per acre. Harvesting should be general about September 6. Haying is nearing completion and pasture and moisture conditions in the area are good.

In central Saskatchewan at Drake hot weather has hastened the maturity of all grains. The barley crop is half swathed and swathing of wheat is beginning. Harvesting operations were halted by Monday's rain. No Bertha armyworm damage is reported to date and above average yields are expected for all grains. At Craik, swathing of wheat will be general this week. Some harvesting of rapeseed, barley and rye is completed. Average yields are expected on all grains except rye. Our correspondent at Saskatoon reports that swathing of cereals and rapeseed are well under way. Combining has just started and above average yields of all crops are expected. Summerfallows are in good condition and spraying for Bertha armyworm infestation is almost finished.

At Rosetown in the west-central area hot, dry weather this past three weeks have brought the crops on very quickly. Some barley, oats and rapeseed have been harvested. Swathing of wheat will be general by the end of this week. A very light infestation of Bertha armyworms was reported in this district. Some rapeseed crops are averaging 30 bushels per acre and it would appear a bumper crop is expected in this district. At Scott, swathing of coarse grains and rapeseed is well in progress while swathing of wheat should start by the weekend. Some early combining of barley and rapeseed is showing better than average yields with rape reported running 30 bushels per acre. Cool weather and 0.55 inch of rain have temporarily halted harvesting but should assist in better filling of the wheat crop.

The Saskatchewan Municipal Hail Association reports the following hail storms since last report; August 8 at Wilcox, Balgonie, Silton, Touchwood, Theodore, Sheho, West Bend, Buchanan, Sturgis, Pelly, Prince Albert, and Carrot River; August 11 at Tisdale, Marcelin, Canwood and Ranger; August 12 at Pambrun, Gravelbourg, Gull Lake, North Battleford, Maidstone, Birsay, Demaine, Bengough, Cactus Lake, Major, Smiley, Coleville, Kindersley, Madison, Eston and Lacadena; August 13 at Lake Alma and Coronach; August 16 at Porcupine Plain; August 17 at Edam, Paynton, Middle Lake, Maidstone and Glaslyn; August 18 at Milestone, Trossachs, Midale, Benson, Corning and Estevan.

The unweighted average precipitation for the province since April 1 has been 0.5 per cent above normal, in contrast to 7.0 per cent below normal a week ago, and compared with 4.0 per cent above normal two weeks ago and 19.0 per cent above normal a year ago. Mean temperature for the week ending August 23, 1971 was 6.6 degrees above normal, compared with 1.9 degrees above normal a week ago, 8.2 degrees above normal two weeks ago and 1.1 degrees above normal for the week ending August 24, 1970.

#### ALBERTA

Rain last weekend temporarily halted harvesting operations in Southern Alberta. Over one inch of rain was received in some locations but by Tuesday, harvesting operations had resumed as moisture was quickly absorbed by the very dry topsoil. The rains will have virtually no benefit to crops in the south which are too far advanced. The hot, dry weather of August has forced ripening of crops and lower bushel weights and yields are being realized. In central areas the rain will aid in filling some of the late crops. Harvesting should be under way in all areas by the end of August. Some rapeseed in northern areas has lodged due to earlier rains and wind. Root rot has been reported in rapeseed in the Peace River District. Barley weights and yields in the Peace have been disappointing while wheat has been good.

Our correspondent at Manyberries in southeastern Alberta reports that approximately 80 per cent of the barley crops in the district have been harvested with yields averaging around 30 bushels per acre. The wheat harvest is 30 per cent complete with yields running around 15 bushels per acre and oats crops are 90 per cent harvested with an average yield of 40 bushels per acre. Haying is now completed and the Prairie grass is brown. It is too dry for any fall seeding at the present time. Water levels in farm dugouts are very low. Harvesting is progressing favourably in the Medicine Hat area and some farmers have finished while others are just starting. Wheat yields vary from next to nothing up to 30 bushels per acre depending on the locale. One half to one inch of rain which fell on the weekend will help late crops and reduce the prairie fire hazard for a few days. Pastures are short but cattle are good.

In the southwestern region around Lethbridge the winter wheat and fall rye harvest is now complete. Harvesting of barley and rapeseed crops is near completion with operations on flax just starting. The second-cut alfalfa crop is now complete and third cuttings may be possible in certain areas. Canning crop yields and quality are excellent. The pea harvest is now complete and beans are near completion. The canning corn harvest has just started. Sugar beet conditions are described as excellent.

In the Cardston area threshing is now general and all grain yields are below normal. Moisture conditions are considered poor and haylands are very dry. Summer-fallow is in good condition except for a lack of moisture. In the Claresholm area the weather has been very hot and dry through July and August. Winter wheat and rye crops are now harvested and yields were reported to be very good. Some rapeseed has been harvested and reports indicate that yields are fair. Late grains such as barley and spring wheat will be light. One inch of rain which fell on August 22 will help pastures and fall-sown grains.

In the Calgary area of southwest-central Alberta early crops are considered fairly good while late crops are poor. No wheat has been swathed to date while approximately 10 per cent of the oats and 10 per cent of the barley has been swathed. No harvesting has been completed at this time. Crops appear to be about 25 per cent below last season.

At Vermilion in the northeast-central region rapeseed crops have suffered an estimated 15 per cent damage from a severe infestation of worms. With this exception crops in the area are considered very good. Swathing has become quite advanced in early barley and rapeseed fields. Harvesting operations should be in full swing in about seven days. Yields are estimated as average in all crops.

Swathing should be general in the Edmonton area of northwest-central Alberta by next week. Some early barley is now being threshed and is thin and light in weight. There have been some reports of infestation of the Bertha armyworm but there has been little damage to date. The Barrhead area was hit hard by hail and reports indicate that there could be a shortage of feed grains in that district. Rapeseed yields around Stony Plain may be lowered due to a recent infestation of Bertha armyworm. Early harvested barley has shown low bushel weights. Swathing of rapeseed and barley crops is now general. Potato harvesting operations are in full swing and farmers in the area are anticipating a heavy second hay crop. Around Red Deer in the west-central region, swathing of barley and rapeseed is now under way and some early barley and rapeseed fields have been combined. It is expected that swathing will become general by the end of the week. Beet webworm and Bertha armyworm activity has nearly ceased after spraying of about 3,500 acres. Traces of precipitation in the last few days are, in most cases, too late to help crops fill properly. Late-sown crops have suffered the most from the dry weather. Second-cut hay crops will not be good because of the lack of moisture and extremely hot weather in the past month. Pastures are also suffering from the lack of moisture. Swathing is now general in the Lacombe area but very little combining has been done. The weather continues dry and the yield outlook is good on areas which were not hailed. Swathing is now general in the Eckville area and combining has started and should be widespread by August 28. Grain crops are yielding well but have not filled properly due to a lack of moisture. Second-cut hay crops are now being put up and hailed fields are being worked. Soil moisture conditions are very poor.

Our correspondent at Colinton in north-central Alberta reports that swathing of all crops is general throughout the area with about 40 per cent of all swathing completed. The quality of rapeseed is good with a high percentage of dockage caused by wild oats and small weeds. Early barley is all light in weight due to sunburn causing it to grade one feed or lower. Oats is grading one feed due to the presence of mildew. There have not been any wheat samples received to date. The first cuttings of hay were all put up with good to above average quality and some second cuttings are now under way. Summerfallow fields are fairly well worked but some low-lying areas have been abandoned for this year due to high moisture conditions. Pastures should be sufficient to meet all demands.

In the Peace River district at Beaverlodge the general good weather conditions which have prevailed since the last week of July have caused the majority of crops to mature early. Harvesting is in full swing and progressing well. Swathing operations are under way in rapeseed and barley and combining is being done in barley fields. In the Fort Vermilion area scattered showers have caused a slowdown of harvest operations in some locations. Twenty-five per cent of the barley crop has been harvested and most barley and rapeseed crops are either in the swath or ready to swath. Staghead is prevalent in all rapeseed crops.

The Alberta Hail and Crop Insurance Corporation reports the following hail storms in the province: August 12; a mid-afternoon storm started south of Hardisty and passed over Hughenden, Czar, Cadogan, between Provost and Bodo and on to

Saskatchewan with heaviest damage reported from Hardisty and Hughenden. Isolated storms were reported from Derwent and Morinville on the same day. August 13; an isolated storm which caused light damage was reported at Lamont. August 16; light and spotty damage was reported from a storm travelling southeast from Willindon to Beauvallon, Myrnam and Heinsburg. On the same day an isolated storm which caused light damage was reported between Elk Point and St. Paul.

The unweighted average precipitation for the province since April 1, was unchanged from the normal compared with one per cent below normal a week ago and in contrast to 3 per cent above normal two weeks ago and one per cent above normal a year ago. Mean temperature for the week ending August 23, 1971, was 5.8 degrees above normal compared with 4.8 degrees above normal a week ago, 10.1 degrees above normal two weeks ago and 2.9 degrees above normal for the week ending August 24, 1970.

#### BRITISH COLUMBIA

Continuing hot weather with 100 degree temperatures on August 10 and 11 have been reported around Kamloops. Silage corn is progressing well and will be harvested by mid-September. Potatoes remain good and high yields are expected. Range land is dry and a good second crop of hay has been put up.

In the area around Victoria rain on August 20 and 21 terminated a 40 day drought period. Raspberry and loganberry harvesting is completed but the dry, hot weather has reduced yields by at least 30 per cent. Harvesting of Yellow Transparent apples is completed while the picking of Tydeman Red has commenced. All apple crop prospects are good. The second crop of greenhouse tomatoes is doing well.

In the Lower Fraser Valley at Agassiz sunny dry conditions continued to August 20 when rainfall totalling 1.8 inches was received August 21 and 22. The prospects are for an average corn crop. The raspberry harvest is now complete with average yields and quality reported. The pea harvest is complete but an abnormally high percentage of fields were by-passed due to over-maturity and root rot damage. The harvesting of oats is 50 per cent completed with excellent yields to date. Pastures are satisfactory and harvesting of third-cut hay has commenced.

At Summerland picking of Bartlett pears is now in progress. The crop is good but fruit size is only fair. Unfavourable weather during blossom seriously reduced the apple crop. A good crop of Italian prunes is expected. Excessive heat in July and August caused some damage to early apples. In the area around Vernon hot, dry weather during the past six weeks has taxed irrigation facilities. The second crop of hay has been harvested but yields were low where first crop harvesting was delayed by wet weather. Total hay production is about average. Cereals and pea harvesting is about 75 per cent completed with above average yields being obtained. The heavy crop of silage corn still requires a good month of growth.

In the Prince George area hot, dry weather during the last week of July and the first week of August enabled most operators to complete forage harvesting of both hay and silage. Barley and oats for silage have matured sufficiently in the past two weeks and are now being put up. The limited acreage of barley for grain will be ready for combining shortly. Pastures held up very well even during the hot weather but are now declining rapidly. Recent rains enabled cattle to move onto good aftermath.

At Dawson Creek in the Peace River Block weather during the past two weeks has been conducive to good grain maturity. Early barley is in full swath with some combining reported. A few spring wheat crops have been swathed. Fescue and Brome harvesting is completed with yields reported to be 25 per cent below average. Clover crops are still in pollination and the amount of set cannot be determined at present. Harvesting is seven days later than normal at Fort St. John. Swathing of barley and wheat is now in progress and combining of early barley has just begun. Uneven maturing of grain crops and the daily rains have slowed combining. Average yields are expected with the wheat crop reported as high as 40 bushels. Swathing of rapeseed and oats is scheduled to begin in a few days. No major pest, except aphids on rapeseed, is reported. Heavy isolated rains resulted in lodging of numerous barley and wheat fields. Harvesting is virtually completed on a light fescue seed crop. Seed crops are generally two weeks later than normal. A good honey crop is expected.

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. August 23, 1971	since April 1	since April 1	8 a.m. August 23 1971	Normal
			inches		degrees F.	
<u>MANITOBA</u>						
1	Boissevain	.83	12.12	11.46	70	63
	Pierson	.06	12.72	10.40	70	63
2	Baldur	1.66	15.65	11.14	69	64
	Pilot Mound	1.14	15.31	11.09	69	64
3	Altona	.30	6.66	10.41	71	65
	Deerwood	1.44	15.23	10.81	69	66
	Graysville	1.14	14.75	9.84	67	64
	Morden	.99	10.82	11.09	71	66
	Morris	2.20	10.61	10.29	70	66
	Portage la Prairie	.25	13.74	12.60	69	65
	Roland	1.44	9.16	10.54	68	65
4	Stonewall	.75	12.27	11.34	68	65
5	Emerson	.45	9.86	10.86	70	65
	Steinbach	1.39	10.40	10.72	64	64
	Winnipeg	.58	12.28	11.03	69	65
	Starbuck	.59	15.62	10.74	68	65
6	Pinawa	.80	10.46	6.87	66	64
	Great Falls	1.11	9.21(2)	8.49	67	64
	Sprague	.36	11.28	11.80	65	62
7	Viriden	N.R.	10.42(2)	10.68	N.R.	64
8	Brandon	.43	15.34	11.43	68	63
	Cypress River	.77	15.32	10.97	68	64
9	Gladstone	.40	14.33	11.01	N.R.	64
10	Birtle	1.15	14.78	11.27	67	62
	Rosburn	1.29	13.74	10.38	61	62
	Russell	1.92	12.52	9.26	68	61
11	Dauphin	.53	11.72	11.02	67	63
12	Arborg	.51	11.82	10.58	67	63
	Gimli	.71	11.59	11.28	69	63
13	Swan River	N.R.	10.63(2)	10.73	68	62
	The Pas	.58	6.48	9.31	65	61
MANITOBA AVERAGE		.89	12.38	10.63	67.9	63.8

For footnotes, see page IV.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending 8 a.m. August 23	
		Week ending	Total	Normal	1971	Normal
		8 a.m.	since	since		
		August 23, 1971	April 1	April 1		
			inches		degrees F.	
SASKATCHEWAN						
1A	Carlyle	.41	12.12	9.85	69	62
	Estevan	.03	10.62	9.69	71	66
	Oxbow	.12	8.53(2)	8.98	58	62
	Willmar	.12	7.71	10.45	N.R.	62
1B	Broadview	1.20	9.47	10.82	67	61
	Moosomin	.56	11.98	11.00	68	62
2A	Yellow Grass	.24	9.06	9.42	70	63
	Weyburn	.63	7.95	9.26	71	63
	Midale	.67	8.03	9.29	71	64
	Amulet	.25	8.08	N.R.	72	N.R.
2B	Moose Jaw	.70	7.65	8.93	74	65
	Regina	.05	6.20	9.25	71	63
	Francis	.32	8.46	8.83	68	62
	Indian Head	.17	9.37	9.13	69	62
3AS	Ormiston	trace	3.49	9.35	70	63
	Cardross	nil	2.84(2)	9.38	71	63
3AN	Gravelbourg	.72	5.40(2)	7.83	72	64
3BS	Shaunavon	.05	6.90	8.13	69	63
	Aneroid	trace	5.91	7.86	70	63
	Instow	N.R.	6.70(2)	8.22	N.R.	62
	Swift Current	N.R.	5.67(2)	9.13	72	63
3BN	Pennant	.05	5.71	8.06	71	63
	Hughton	N.R.	6.65(2)	7.35	N.R.	63
	Maple Creek	N.R.	4.47(2)	7.53	N.R.	63
	Consul	trace	3.52	6.98	67	62
4B	Leader	.39	8.18	7.10	70	64
5A	Cupar	.29	6.69	8.98	69	63
	Balcarres	N.R.	6.69(2)	9.50	N.R.	63
	Lipton	.78	7.50	8.59	69	63
	Melville	.37	12.16	N.R.	67	N.R.
	Yorkton	.02	10.09	9.69	68	62
	Bangor	.45	9.98	10.03	68	62
	Wynyard	.01	9.97	9.15	69	61
	Foam Lake	.22	10.02	9.17	61	61
5B	Kuroki	.25	10.55	9.50	66	59
	Kamsack, Cote	.27	9.03	9.07	68	62
	Davidson	.04	7.62	8.54	71	62
	Strasbourg	.27	8.45	9.32	70	62
	Watrous	.11	10.90	8.23	68	62
	Liberty	N.R.	8.68(2)	N.R.	N.R.	N.R.

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. August 23, 1971	since April 1	since April 1	8 a.m. August 23 1971	Normal
			inches		degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6B	Harris	N.R.	5.70(2)	7.23	N.R.	62
	Outlook	.07	8.79	7.29	71	63
	Saskatoon	.05	10.23	7.69	59	62
	Elbow	.14	6.83	8.80	70	62
	Tugaske	.07	7.65	8.91	70	62
	Dundurn	.12	12.13	7.55	71	63
7A	Kindersley	.27	6.99	7.06	69	62
	Rosetown	.02	7.90	8.09	69	62
7B	Macklin	N.R.	12.02(2)	8.03	65	60
	Denzil	.08	8.30	7.93	66	60
	Scott	N.R.	8.89(2)	8.17	N.R.	60
	Biggar	N.R.	9.48(2)	7.91	N.R.	62
8A	Hudson Bay	.04	7.19	9.93	67	60
	Prairie River	N.R.	8.68(2)	10.07	N.R.	59
8B	Humboldt	1.10	12.91	8.02	68	61
	Melfort	.21	9.99	8.88	68	60
9A	North Battleford	.01	7.75	7.86	70	61
	Victoire	.14	8.65	8.57	N.R.	58
	Prince Albert	.02	11.33	8.93	67	61
9B	Waseca	.99	9.25	9.03	65	59
	Meadow Lake	.25	13.60	9.55	66	57
SASKATCHEWAN AVERAGE		.27	8.78	8.74	68.5	61.9

ALBERTA

1	Empress	1.50	5.98	7.38	71	63
	Foremost	.64	6.28(2)	7.61	68	64
	Manyberries	.23	7.14	6.78	71	64
	Medicine Hat	.26	4.59	7.37	72	65
2	Brooks	N.R.	5.11(2)	7.70	68	62
	Vauxhall	1.14	6.10	7.08	69	62
	Raymond	.25	7.70	8.04	68	62
	Lethbridge	.39	7.31	9.04	70	62
	Trochu	.48	8.82	9.96	N.R.	60
	Queenstown	1.26	7.09	9.18	69	60

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	Total	Normal	week ending	
		8 a.m. August 23, 1971	since April 1	since April 1	8 a.m. August 23 1971	Normal
			inches		degrees F.	
<u>ALBERTA - Concluded</u>						
3	Calgary	.87	8.92	10.84	68	58
	Cardston	.28	10.30	10.01	66	60
	Pincher Creek	.04	7.79	10.82	67	59
	Fort MacLeod	.48	6.99	10.05	68	63
	High River	.68	8.91	11.06	64	57
4	Olds	.66	8.50	11.48	63	58
	Alliance	.32	9.11	8.63	67	59
	Coronation	.53	8.28	8.60	67	59
	Hughenden	.50	10.11	8.64	68	59
	Lloydminster	1.56	11.55	8.86	65	60
	Stettler	.03	7.14	9.81	68	59
	Vegreville	.25	8.99	9.33	63	59
	Ranfurly	.23	9.12	9.99	65	59
	Vermilion	.93	9.32	9.34	64	58
	Edmonton	.05	8.92	11.34	63	59
5	Lacombe	.08	9.13	11.45	63	58
	Red Deer	.42	8.58	13.77	63	58
	Rocky Mountain House	.15	11.52	12.80	61	56
	Wetaskiwin	trace	10.83	11.06	64	59
	Campsie	.19	12.39	11.69	59	57
6	Edson	.61	18.73	12.68	58	55
	Elk Point	1.87	14.37	9.61	64	57
	Lac la Biche	N.R.	5.57(2)	9.81	N.R.	59
	Whitecourt	.70	18.28	12.29	60	55
7	Beaverlodge	.24	9.85	8.67	60	57
	Ft. Vermilion	.08	3.41	7.23	63	57
	Grande Prairie	.29	12.87	8.61	61	58
	High Prairie	.04	13.31	9.86	59	57
	Peace River	.17	9.00	7.14	61	56
	Wagner	.39	14.63	8.88	60	56
ALBERTA AVERAGE		.49	9.61	9.61	64.9	59.1

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.

N.R. - No report.