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TELEGRAPHIC CROP REPORT - CANADA

This is the last of the 1964 series of six telegraphic reports, issued by the Dominion Bureau of Statistics, covering crop conditions throughout Canada. Included in this report is the last of a series of eleven telegraphic reports on crop conditions in the Prairie Provinces. A selected list of crop correspondents chosen from the Federal and Provincial Departments of Agriculture, private crop observers and grain men supply the information on which these reports are based. The weather data included in this release are furnished by the Meteorological Division, Department of Transport.

S U M M A R Y

Maritime Provinces Grain crops on Prince Edward Island have been ripening slowly with only a limited portion now ready for combining. However, excellent yields and quality are reported. In Nova Scotia, crop conditions are generally good in the Annapolis Valley and throughout the western part of the province. Late potato digging is well under way with average yields being obtained. Grain fields are also yielding well, although some army worm damage has occurred. In the eastern counties about half of the grain has been harvested with generally good yields, except for army worm damage. About 35 to 40 per cent of the late potatoes has been dug and yields are below average. New Brunswick farmers have now harvested over half of their grain. The crop is generally good in spite of army worm damage. Early potatoes have been dug and the late crop top-killed with digging to be general this week, weather permitting. Yields are average with the blight index very low. Pastures are good throughout the maritimes.

Quebec Harvesting has been completed in the Montreal region and in the Ottawa Valley and is well advanced in the Lower St. Lawrence district and at Three Rivers. Elsewhere farmers are starting the harvest. Grain yields are variable but generally satisfactory. Potato digging is now under way with good yields general in spite of some blight damage. Forage corn cutting is in full swing with good yields reported. New meadows are looking well and pasture conditions, as well as aftermath, are generally favourable to normal milk production. Tobacco growers have finished harvesting. Sugar beets are developing well. Except for tomatoes, all fall vegetable crops are producing good yields from the point of view of both quality and quantity. In general, autumn work on the farms is proceeding under favourable conditions. Several districts report early frosts on September 11, 12, 13 and 14.

Prepared in the Crops Section, Agriculture Division

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Ontario With the exception of northern areas of the province harvesting of spring grains is either completed or nearing completion. Seeding of fall wheat is under way and storing of second-cut hay is well advanced. Corn crops look generally good but most later-sown fields will not reach maturity due to recent frosts. Silo filling operations are under way. Soybeans are ripening and picking of white beans and tomatoes is progressing. Despite the cool weather during August most peaches and Bartlett pears were harvested earlier than usual. Picking of apples and late peaches is under way. Sugar beets look good. Some tobacco has been frozen but harvesting of burley and flue-cured types is nearing completion. Pastures are variable throughout most of the province but are generally poor in eastern Ontario. Cool, wet weather in northern Ontario has hampered crop development.

Prairie Provinces Harvesting is now getting into full swing again in most areas of the Prairie Provinces after prolonged delays due to cool, wet weather. Harvesting is well advanced in southern districts, but for the Prairie Provinces as a whole more than half remains to be done, with Alberta the least advanced. Wet weather has caused a reduction in grades and frost damage to kernels has also occurred, especially in northern areas. Pasture conditions are generally fair to good in most districts.

British Columbia Weather conditions continue to be generally cool and unsettled in all sections of British Columbia as one of the coolest growing seasons on record draws to a close. Crop yields have held up well in most areas, but late maturity particularly of heat-loving crops has affected quality to some extent. At the coast a good late potato crop is moving well and other root and cole crops are showing average or better yields. In the Okanagan Valley harvesting of peaches and pears is ending and apple picking is in full swing, with generally good yields reported. Cool, wet weather has hampered grain harvesting in the Peace River Block, but prospects remain generally favourable. Late summer growth has been only fair in most areas, but fodder crops have produced fair to average yields.

MARITIME PROVINCES

Reports from Charlottetown indicate that rainfall during the past month has been much below average and the soil is becoming very dry. The weather has also been cool and as a result grain crops are ripening slowly so that harvesting operations are about two weeks later than usual. Although only a small portion of the crops has been combined, grain yields are generally good. Quality is also described as excellent. The potato crop outlook is generally favourable with the cool, dry weather having prevented the spread of late blight. However, blight spores are reported in many fields so that infection could spread with weather conditions favourable to this disease. Roots and cole crops are doing well. A heavy fodder corn outturn is also anticipated with good quality in prospect. Newly-seeded meadows have benefited from recent rain but more moisture is needed. However, pastures are still very good. Growers have harvested about one-half of the tobacco crop which is turning out well. There has been no frost damage to date this season.

Farmers in the Amherst district of Nova Scotia have completed haying with a good average crop reported. Aftermath growth also appears to be very good for this time of the year. Although grain crops are progressing very slowly because of low temperatures, some combining has been done. At Truro, weather conditions have been generally favourable although some frost is reported in low-lying areas on September 14. The crops escaped hurricane damage. Grains are now being

harvested with average to better than average yields being obtained. Growers are digging a heavy potato crop with fairly prevalent blight reported. Pastures and aftermath are better than average. In the Annapolis Valley and the western part of the province crop conditions are generally good with the digging of the late potato crop well under way and average yields reported. Grain fields are yielding well except where army worm damage has reduced production. In the orchard sections apples are sizing well. Pears, except for the Bartlett variety, are also sizing nicely; Bartletts are running somewhat small. Both fresh corn and corn for silage are good. Pastures are holding up well. In the central and eastern districts farmers have harvested about half of the grain crops and yields have generally been good, except where army worm damage was sustained. Between 35 and 40 per cent of the late potato crop has been dug with below average yields being obtained. Other vegetable crops are good. Pastures are in excellent condition with very good aftermath growth.

Reports from Fredericton, New Brunswick, state that the weather has been unusually cool. More than half the grain crops have now been harvested with favourable yields except where army worm damage occurred. Lodging has been limited. The early potato crop has been dug and growers have top killed the late crop, the harvesting of which is now under way. It is expected that work will be more general later this week depending on weather conditions. Yields are about average with the blight index very low. Insect activity is diminishing. Aftermath and fertilized pastures are above average for this time of year. Although the apple crop may be down this year, quality is high. The tobacco harvest is about finished and no frost damage was sustained by this crop. The quality is good. On September 11 frost was reported in the northern part of the province and in low areas elsewhere. In the Andover district, cool, showery weather since the last report has made grain combining difficult. Yields and quality, however, are very good. Growers have started digging potatoes with very good quality but variable yields according to variety. The first frost was reported on September 11 and another frost occurred the following night.

QUEBEC

In the L'Assomption district of Quebec a minimum temperature of 30 degrees at four feet above the ground level was registered. This frost damaged the tobacco crop. The L'Assomption Experimental Station reports that oat harvesting has been completed and flax cutting has begun. At St. Jean the total precipitation for the past three weeks amounted to 1.85 inches. Mean temperatures have been below normal and heavy frost in some of the low regions of the muckland area killed most potatoes, cucumbers, tomatoes, etc. Canning corn yields and quality are above average and in general, all vegetable crops yielded heavily and the quality was high this season. Apple growers started picking McIntosh apples the second week in September and picking will be general a few days earlier than usual this year. The woolly apple aphid is abundant in all orchard districts.

To the east at Lennoxville, below normal temperatures, with a first frost when the thermometer dropped to 28 degrees, are reported. There have also been frequent rains. However, oat harvesting is well advanced with average yields reported. Forage crop growth is very good and corn silage-making has started. Farmers are also commencing their other fall work. At Ste. Anne de la Pocatière, harvesting operations have started. Barley yields are normal, but the first seedings of oats are producing below average yields as a result of excessive rains earlier this season. Later seedings, however, are very promising. Corn and field

roots look well. Potatoes are producing high yields but several fields are affected by blight. Aftermath growth and pastures are below normal as a result of recent prolonged dry weather.

Reports from Normandin in the Lake St. John district indicate that cool weather has continued with only 0.9 inches of rain during the last fifteen days. On September 12 the first killing frost occurred. Cereals are not yet ripe and the outlook for ripening is somewhat doubtful. Grain yields are very low. Garden crops and blueberries were frozen. Aftermath and pastures are described as fair but the potato crop is good. At Caplan, below normal temperatures are delaying grain maturity. However, about 25 per cent of the oat crop has been harvested and overall yields are expected to be good. Flax is still far from maturity. In spite of heavy blight infestation, potato fields are yielding well. Fall ploughing is under way. Pastures are in good condition, but milk production is decreasing.

ONTARIO

In Middlesex County of southern Ontario, fine weather during the past two weeks has facilitated harvesting operations. The quality of field beans is good and several yields of up to thirty five bushels per acre are reported. Some acreage of fall wheat has been seeded. A light frost has destroyed some tobacco and will also lessen the yield of grain corn which was a bit slow in maturing. Pastures are in good condition. A considerable tonnage of second-cut hay has been stored. Apple picking is general and a good crop is reported. In Essex County the corn crop is developing well and yield prospects look excellent. Soybeans are ripening and the outlook for this crop is also very good. The tomato harvest is progressing but deliveries to date have been below normal due to backward weather. The sugar beet crop looks good and harvesting of burley and flue-cured tobacco is nearing completion. Preparation of land for winter wheat is well under way. Harvesting of late peaches is continuing. A report from Pelee Island indicates that soybeans are maturing rapidly and harvesting is expected to commence in about ten days. Both soybeans and corn appear to be a good average crop.

Harvesting of white beans has commenced in Kent County and yield prospects are extremely variable. Prospects for corn are at an all-time high, and soybeans appear to be above average. Some sugar beets are blighted but prospects for this crop are still well above average. The tomato harvest has reached its peak after being delayed by poor weather, with production apparently below that of last year. Harvesting of burley and flue-cured tobacco is nearing completion but frost caused some damage to crops in the eastern part of Kent County on September 11. Land is being prepared for seeding of winter wheat. A report from Lincoln County indicates that despite cool weather during August harvesting of peaches and Bartlett pears was earlier than usual. Harvesting of Elberta peaches is now nearing completion. Brown rot is prevalent in stone fruits. Due to the hot, humid weather in early September, powdery mildew is prevalent on grapes, with some black rot reported on the Agawam variety. Insects on tree fruits are less troublesome than usual although there is some late activity of oriental fruit moth on Elberta peaches.

In Simcoe County of western Ontario the grain harvest is completed except for a few fields. With weather conditions improved most second-cut hay should be stored this week. The corn crop looks promising and is ripening well, but some frost damage has occurred in low areas. Silo filling operations have commenced and will be general next week. Harvesting of commercial potatoes is under way and digging of seed potatoes will commence in about ten days. Pastures are now better than average

although new seedings of hay and pastures are variable. Moisture conditions are good for seeding of fall wheat and planting of this crop is now under way. The days of warm weather during September have helped mature corn in Bruce County but frost has now ended growth in low-lying areas. Farmers have an excess supply of hay and all of the second crop will not be harvested. Harvesting of the grain crop is now completed. The exceptional growth of root crops will leave many turnips too large for shipping.

In Wellington County a heavy frost on September 15 will bring growth of all tender crops to an end. Most of the corn needed more heat to reach maturity. Flax is turning out exceptionally well, and most of the spring grain has been harvested. Pastures have never looked better. In Waterloo County harvesting of spring-sown grains has been completed and storing of second and third-cut hay is continuing. Pasture growth has been excellent. Rain has delayed grain harvesting in Halton County although about 95 per cent of the crop has been taken off. Yields are reported to be slightly above average. Corn is also expected to yield above average but maturity will be later than usual. Seeding of winter wheat is under way. New seedings and pastures are in excellent condition. Yields of fruit and potatoes are reported to be quite high.

Harvesting of spring-sown grains is completed in York County and wheat yields are reported to be above average while spring grains are about average. Yields of both crops were affected by army worms and hail. Yields of second-growth hay are good but some spoilage has occurred due to wet weather. Grain corn needs another week to reach maturity. Pastures are excellent. Seeding of fall wheat is progressing in Prince Edward County. Silo filling operations have commenced and some fall ploughing has been done. In Peterborough County harvesting of spring grains is completed with average yields and below average quality reported. Silo-filling operations have commenced with corn yielding above average and of good quality. Seeding of winter wheat is under way and moisture supplies are adequate. Pastures, new seedings, and hay aftermath are in good condition. There has been excellent growth of all crops in Durham County. Soybeans and corn look promising but a week of frost-free weather is required for tomatoes and grain corn. The quality and size of apples are excellent.

In Leeds County the corn crop is variable and will average about 15 per cent below normal. Recent light frosts will speed up silo-filling operations. The oat crop was of good quality but slightly below average in yield. Seeding of winter wheat is generally completed but the soil is the driest in years. Pastures are poor but winter feed supplies are adequate due to a surplus from last year. Harvesting of grain crops is completed in Dundas County and, although yields were below normal the quality was good. Pastures are short and over-grazed but have improved due to recent rains. The corn crop is fair and silos are now being filled. Prospects for maturity of grain corn in this area are good. In Carleton County pastures, corn and second crop hay have made good growth, with corn advancing especially well after a cool August. However, recent frosts will now have ended growth in most fields. Silo-filling operations have commenced. Harvesting of grain and second crop hay has been delayed by frequent light rains but only about 2 per cent of the total crop remains to be taken in. In Renfrew County 1.5 to 2 inches of rain during the first week of September has been very beneficial, particularly to fall wheat. Hundreds of tons of hay are being brought in from Northern and Western Ontario to supplement the winter feed supply. A heavy frost has frozen the corn crop and silo-filling operations are now underway.

A report from Kapuskasing indicates that the total precipitation from May to August, at 21.74 inches, was one of the highest on record. Grain crops are approaching maturity and farmers are cutting green oats for hay. Pastures are in good condition but growth is slow. The first frost and the first snow flurry occurred on September 11. In the Thunder Bay area cool, showery weather during most of August and the first half of September has resulted in slow growth of potatoes, root crops and vegetables. Harvesting of grain has been delayed and ripening of the crop is uneven. The quality will also be lower. Growth of meadows and pastures has been slow but livestock are in good condition.

MANITOBA

Harvesting is 55 per cent completed in Manitoba and good progress has been made since September 12 after earlier delays. In many areas more of the coarse grains than wheat has been threshed. Wheat harvesting is almost complete in southern areas and progress varies from 15 to 60 per cent elsewhere. Yields of all crops are holding up well but quality has been reduced due to uneven growth during the season, weathering and sprouting in the swath, and by frost. Frost-damaged kernels are most evident in the northwest quarter of the province. Wheat is grading mostly No. 3 to No. 5 Northern. Killing frosts on September 10 and 14 damaged corn, sunflowers, buckwheat, flax and rapeseed. Buckwheat production has been cut two-thirds from frosts which have occurred since early August. Only early corn has a chance; the rest is poor silage. Extent of damage to other crops mentioned is still uncertain. Sunflowers are not fully mature and much rapeseed is still green in the north. Less than 10 per cent of the flax could be affected by frosts, the remainder being one-third harvested or nearly ready for harvest.

Damp weather during August retarded harvesting operations in the southeast part of Manitoba at Vita. Approximately 30 per cent of the crop has been threshed and 90 per cent swathed. Deterioration of grain has been noted due to the damp weather. Present yield indications are wheat 20 bushels, grading No. 2 and 3, oats 35, barley 18, flax 10, buckwheat 5 bushels, and rapeseed 1,000 pounds per acre. Little change has occurred at Altona during the past two weeks but combining has now started again. Frost Sunday and Monday has stopped further growth and sunflower and corn samples will be reduced in quality. About 50 per cent of the flax and peas has been combined. At Morden frost again occurred on September 13. Harvesting of canning corn is nearly completed and cereal harvesting is approximately 75 per cent done. Operations were interrupted a week ago due to wet weather. Crop conditions are average in the district. Fall tillage is being done. Farther west, at Somerset, harvesting progress has been rapid for three days due to good combining weather. From 60 to 80 per cent of the oats has been harvested with yields approximating 50 bushels. Wheat is yielding 30 to 40 bushels and 25 to 30 per cent has been threshed. Approximately 10 per cent of the flax has been harvested with yields from 9 to 11 bushels per acre. Very little fall field work has been done.

In the Winnipeg area at Beauséjour harvesting operations are now also progressing favourably. The percentage completed ranges from a high of 75 in the south and west of the district to a low of 20 in the north, with an average of 45. Wheat is grading No. 3 and 4 and oats No. 1 Feed. Oats are slightly affected by mildew. The approximate yields are wheat 22, oats 35, and barley 20. Very little flax has been harvested. Soil moisture conditions are good and feed supplies are in surplus. Swathing is about 95 per cent complete at Portage la Prairie with harvesting approximately 50 per cent done. Barley has been harvested with oats and wheat about 45 per cent complete. Wheat grades have dropped from 2-3 Northern to 4-5 Northern due to weathering. Late forage crops and corn are being harvested after being frozen. Lifting of sugar beets should start next week.

The Experimental Farm at Brandon reports that combining is now general in the district following a prolonged delay due to cold, wet weather. Wheat grades are expected to drop to 4 and 5 Northern as a result of frost and wet weather. Scattered fields of flax remain to be swathed. Successive frosts have killed all but the hardiest garden crops and flowers. Corn for fodder is badly damaged necessitating immediate ensiling. Pasture conditions in the district are excellent. Harvesting has been resumed at Virden since the beginning of last week following a period of wet weather. Swathing is nearly completed and about 50 to 60 per cent of the combining has been done. Heavy frosts last week along with the extended wet condition have resulted in a reduction in grades which will now range from No. 3 to 4 Northern.

Swathing of all crops except flax is now completed at Teulon and about 70 per cent of the oats and barley has been harvested. Wheat harvesting is 40 per cent completed. Heavy showers last week prevented harvesting in the northeastern Interlake area until last Saturday. A report from Arborg states that harvesting was general on Monday and 25 to 35 per cent complete. Wheat is grading 3 and 4 Northern and yielding 25. Oats are yielding 50, barley 35, flax 10 and forage seed yields are average to fair.

In the west-central part of Manitoba at Neepawa harvesting operations are also in full swing after lengthy wet spells. Approximately 60 per cent of the wheat, 70 per cent of the oats, 85 per cent of the barley, and 40 per cent of the flax have been harvested. Recent heavy frosts caused late stands to ripen quickly. Fall tillage is under way and pastures are holding and are in fairly good condition. Combining has recommenced at Minnedosa with 10 to 15 per cent of the total acreage completed. Grades have been lowered due to frost damage. Rust is present on Rodney oats. Wheat yields are averaging 25 to 30, barley 40 and oats 55. Grades of wheat are No. 2 on early combine samples but from No. 4 to Feed on late wheat. In the Shoal Lake area harvesting operations are also in full swing. Since September 11 cold, dry weather has prevailed and heavy frost was recorded on September 10. About 80 per cent of the barley harvesting has been completed, wheat 40 per cent, oats 60, flax 10 and rapeseed 10 per cent. Yields are generally good for all crops. Frost damage occurred on late wheat, oats and flax and gardens have been completely finished. Pastures are in poor condition since the surface moisture is gone and subsoil reserves are becoming rapidly depleted. Fall tillage on some fields has begun. Summerfallows are in generally good condition. Our correspondent from Russell states that if the weather holds, 95 per cent of the crop will be harvested by the end of this week. Yields of wheat are averaging 35, barley 30, oats 70, and flax although not yet harvested, should yield 12 to 15 bushels. The ground is dry and moisture is needed for fall work. Frost damage will lower wheat grades to No. 3, 4 and 5.

In northern Manitoba, at Dauphin, harvesting of cereal grains is 80 per cent completed. Wheat is averaging 20 bushels, barley 25 and oats 35 and wheat is mostly grading No. 3. Very little flax and special crops have been harvested. Fall cultivation is well advanced and pastures are fair to good.

The Federal Research Station at Winnipeg reporting on the rust situation states that cereal rust caused small overall losses in 1964. Moderately severe infections of wheat leaf rust developed in Manitoba after the crop headed and caused some damage especially in late fields. Wheat stem rust was scarce on commercial varieties and oat crown rust and stem rust developed in late fields in southeastern Manitoba. The infection, however, was generally light.

Reporting on the grasshopper situation the Research Station states that the grasshopper adult survey recently completed reveals a total area of 2,839 square miles of infestation of which 2,078 was light, 635 moderate, and 126 severe. This is an increase in area of approximately 1,000 square miles and a two-fold increase in severity as compared with 1963. Infestations range from light to moderate in the northwest; small, spotty, light to moderate in the southwest; light to severe in the south-central; light, moderate infestations on the lighter soils west of the Red River; and small, spotty, light infestations are present in the Red River Valley. The lesser migratory grasshopper is dominant through all the infested areas except in the Red River Valley where the two-striped grasshopper is a dominant species.

The unweighted average precipitation for the province since April 1 has been 14 per cent above normal as compared with 17 per cent above normal a week ago, 14 per cent above normal two weeks ago and 25 per cent above normal a year ago. Mean temperature for the week ending September 14, 1964 was 6.4 degrees below normal as compared with 1.5 degrees below normal a week ago, 5.3 degrees below normal two weeks ago and in contrast to 1.3 degrees above normal for the week ending September 16, 1963.

SASKATCHEWAN

Harvesting resumed in Saskatchewan at the week end in most parts of southern and central districts, and increased activity is expected in all areas during the current week if the present weather continues. Presently about 40 per cent of the wheat acreage has been harvested while 33 per cent of the crop is still standing and 27 per cent is in the swath. About 40 per cent of the oats, barley and rapeseed has been harvested. The most advanced areas include southern central crop districts, with remaining areas unable to make any rapid progress due to frequent light to heavy rain. Dry weather is urgently needed in the east, west-central and northern districts.

Harvesting in the Willmar district, in the southeast part of the province, is about 75 per cent completed. Estimated average yields are wheat 25, oats 40, barley 20, flax 8 and rye 15 bushels per acre. Grain is being graded down on account of frost damage and green kernels. A total of 1.7 inches of rain has held up the harvest during the past few weeks but has maintained good pastures. At Yellow Grass about 90 per cent of the wheat and coarse grains have been taken off and flax combining has started. Wheat yields range from 20 to 45 bushels per acre and grades range from 2 to 5 Northern, with No. 3 predominating. Flax yields are expected to range from 15 to 20 bushels per acre. Although some grain has been combined Tough, most of the crop will be taken off in dry condition and 95 per cent of all harvesting will be completed this week if the weather holds. At Fillmore only a few days of harvesting of wheat and coarse grains remain but very little flax has been combined yet. Yields of cereals have been very good but grades of later-seeded wheat crops have been reduced because of excessive heat and frost damage. Stubble-sown crops have yielded exceptionally well.

Threshing operations got into full swing over the week-end in the Indian Head district following a week to ten days delay due to wet and cool weather. There has been some deterioration of grade due to bleaching and considerable frost damage is showing up in many fields. Both factors are expected to lower grades. Yields are above average for all types of grain. Summerfallow fields have a heavy growth of weeds and volunteer grain and will require another tillage operation. Pastures have been well maintained by recent rains and livestock are in excellent condition.

The Experimental Farm at Swift Current in the southwest part of the province reports that wet weather has held up harvesting operations for the last two weeks. However, if the present weather conditions prevail, harvesting should recommence within a day or two. Combining is about 50 per cent completed but the rains have bleached the sample and reduced kernel weight. Average yields of wheat in the district are expected to be about 14 bushels per acre and the predominant grade will be 2 and 3 Northern. Combining is practically completed at Big Beaver with most of the wheat being taken off dry. The average yield is expected to be about 17 bushels per acre and the predominant grades No. 2 and 3 Northern. In contrast to many districts, moisture reserves are poor since only 7 inches of rain have fallen since April 1. However, cattle are in good shape and enough feed has been put up for winter feeding. Summerfallows are in good condition.

Harvesting resumed around Eastend after a delay of two and a half weeks and 65 per cent of the wheat and 75 per cent of the coarse grains have been taken off. Average yields are expected to be as follows: wheat 16, barley 25, oats 40, rye 19, and flaxseed 8 bushels per acre. Although sawflies caused some damage in crops other insect damage was light. Winter wheat and some fall rye have been seeded. At Leader heavy rains continue to hold up harvesting which is now 40 to 50 per cent completed, and the sample and bushel weight have deteriorated. However, the recent rains have improved the subsoil moisture reserves and have greatly increased prospects for next year's crops.

Harvesting is now in full swing around Togo in the east-central part of the province and ten days of good weather would see the bulk of the crop taken off. Although yields are better than anticipated earlier frost damage is general and wheat is grading from 3 to 6 Northern. Only a moderate amount of rain fell during the past two weeks. Summerfallows are in good shape and pastures are generally good. About 50 per cent of the crop has been taken off in the Melville district and average yields are estimated as follows: wheat 25, oats 60, barley 35, and rye 30 bushels per acre. Grades of wheat range from 2 to 6 Northern including samples grading Tough and Damp. Summerfallows are in good condition and garden crops have produced above-average yields.

Harvesting has resumed in the Saskatoon district following three weeks delay due to wet, cool weather. Sprouting of swathed grain has occurred in some fields and weed growth has become a problem in some standing grain. With only half of the crop taken off dry weather is urgently needed to complete the harvest.

The harvest is about 40 per cent completed in the Rosetown area but has been held up for the last two weeks due to wet weather. Rainfall from August 19 to date has totalled 3.72 inches. Our correspondent expects the district yield of spring wheat will be about 16 bushels and the grades will range from 1 to 4. Flax yields will average about 7 bushels. Most summerfallows need to be worked again. No harvesting has been done in the last two weeks at Scott as operations have been held up by 3.28 inches of rain. This has caused crop deterioration by sprouting and mildewing in swaths and shattering of the standing crop. Combining will get under way this week if the dry weather holds. Ninety per cent of the wheat remains to be threshed. Pastures are improving and there is a heavy growth on summerfallows.

The Experimental Farm at Melfort reports that practically no harvesting has been done in the last two weeks and that swathed grain has suffered extensive damage from the prolonged wet weather. Sprouting is most prevalent in oats and barley swaths and second-growth has aggravated the situation. Some lighter stands may be abandoned. Frost on several occasions will further reduce grades of standing grain. Flax crops are suffering from a heavy infestation of weeds and second-growth. Warm, dry weather is urgently needed to complete the harvest. Although about 90 per cent of clover and rye crops have been taken off in the Nipawin district very little harvesting of wheat, oats and barley has been done due to wet weather during the past three weeks. Swathing is expected to become general this week if the weather stays dry and our correspondent expects that nearly all the crops will need to be swathed due to the growth of weeds. A very heavy frost on September 14 will damage some late rape crops.

At Meota in the northwest part of the province little harvesting has been done and warm weather is needed to hasten operations. Second growth is quite heavy and frost damage is expected to show on wheat samples. Rainfall since April 1 has totalled 9.16 inches. Swathing is general at Paradise Hill and wheat is expected to give an average yield of about 12 bushels per acre with the predominant grade being No. 4. About three weeks of dry weather are needed to complete the harvest. The winter feed situation is good.

The Saskatchewan Municipal Hail Insurance Association reports that hail storms have been light and scattered during the past month. The exception was for storms on September 1 and 2 which were light but covered a large area from Scottsbluff through Swift Current, Eyebrow, Davidson, Young, Viscount, Humboldt to Archerwill, and also the areas of Govan and Strasbourg; Leross and Kelliher; Wynyard and Wadena; Rose Valley and Kelvington; Canora and Sturgis.

The unweighted average precipitation for the province since April 1 has totalled 4 per cent above normal compared with 4 per cent above normal a week ago, 2 per cent below normal two weeks ago and in contrast to 35 per cent above normal a year ago. Mean temperature for the week ending September 14 was 8.0 degrees below normal compared with 4.3 degrees below normal a week ago, 2.4 degrees below normal two weeks ago, and in contrast to 4.1 degrees above normal for the week ending September 16, 1963.

ALBERTA

After two weeks of wet weather, harvesting is slowly getting under way in Alberta. Wet ground is still a problem in some districts. Swathing is becoming general in central and northern areas and harvesting operations in the Peace River area have been resumed. Combining is being done in the south but moisture content varies from 14 to 17 per cent. Very little coarse grains have been threshed in the central regions. Wet ground and cool nights are delaying the drying of swaths.

In the southeast, at Medicine Hat, rains of the last two to three weeks halted the harvest until this week. Fifty per cent of the crop is harvested with approximately 30 per cent of the remaining grain in the swath. Some of this is sprouting. Sugar beet harvesting has commenced this week. Some second-cut hay has been damaged by wet weather. Pastures are good and livestock are in good condition. Fall seeding of winter wheat and rye is well under way.

To the west at Lethbridge harvesting of cereal crops recommenced after two weeks' delay due to cool, wet weather. Only slight damage from sprouting in swaths has been reported. Seeding of winter wheat is quite general. Sugar beet harvesting will start this week and sugar factories are expected to be in operation by the week end. At Claresholm threshing will be general by the 20th of this month if drying weather continues. Grades have been cut due to frost and wet weather. Wheat is running anywhere from 15 to 40 bushels per acre, oats 40 to 50, and flax 8 to 15. At Cardston combining of winter wheat is 80 per cent completed. Swathing of spring grains has started. The extent of frost damage has not yet been determined. Seeding of fall grains is progressing favourably with 50 per cent completed. Pastures and livestock are in good condition and moisture reserves are excellent.

In the south-central area at Brooks, widespread, showery, cool weather last week delayed harvesting and haying. A heavy general frost occurred last week which will lower grades and yields in immature fields of grain and flax. At Vulcan rain followed by cool weather has delayed the harvesting for the past two weeks. Combining of grain is again general with frost damage showing in almost all samples. There is very little oats and barley left to harvest but the wheat is only 25 per cent completed.

At Hanna, in the Calgary-Olds area, two weeks of bad weather with two and one-half to three inches of moisture over the district brought harvesting operations to a standstill. Improved conditions this week have allowed the resumption of harvesting. The moisture content of grains is decreasing every day and most wheat is grading No. 2 and 3. Yields of 14 bushels per acre are expected and weight per bushel is ranging from 56 to 62 pounds. At Calgary, wet weather for the past two weeks has delayed harvesting. Cutting is again in full swing and combining is being resumed. Two weeks of favourable weather will see harvesting about completed. Several heavy frosts have occurred which will lower grades. In the Olds area swathing of grain is almost completed and threshing has again been resumed after 14 days of wet weather. Grades of grain will most likely be lower on account of frost and weathered kernels.

In the central region at Sedgewick, harvesting was also held up with some four to five inches of rain falling during the past two weeks. A few days of good weather are needed before grain will be dry enough to thresh. Wheat should yield 20 bushels per acre, oats 40, barley 35, and rapeseed 25 bushels. Hay and pasture conditions are reported to be fair. Harvesting is in full swing at Donalds and grain is testing quite tough. Swathing is the main task at present pending good weather for combining which should be general by September 18 if good weather continues. Some frost damage and bleached grain has been reported but so far it has not been serious. Good average yields are expected. At Stettler, swathing is mostly completed and threshing will be general by September 21. Many crops suffered light frost damage and wheat will grade No. 3 and 4. Estimated yields are wheat 15 and coarse grains 20 bushels per acre. Recent rains have caused some sprouting in the swaths.

In the west-central district at Red Deer, 95 per cent of the swathing is completed. The quality of the crop is down because of three weeks of rainy weather. Some sprouting has been reported in heavy swaths. Combining is in full swing. To the north at Lacombe harvesting operations are now general after continuous wet weather from August 27 to September 9. During this time 3.83 inches of rain fell resulting in considerable sprouting in barley swaths. As a result most barley will now only make feed. The first killing frost occurred on September 10, when the temperature dropped to 28 degrees, followed by 25 degrees on September 11 resulting in damage to wheat crops which were mostly still standing.

Farther to the north at Vermilion over 6 inches of rain fell during the past two weeks and held harvest at a standstill. Rapeseed is testing dry today but all wheat samples testing damp. The grade of wheat has deteriorated from one to two grades due to sprouting and mildew. If weather remains favourable combining of wheat will be general by the week end. To the west at Edmonton threshing of grain has now started after a prolonged wet spell. Most grain is tough or damp with considerable weathering reported. The quality of grain is quite low. At least three weeks of dry weather are needed to complete the harvest. Southwest, at Stony Plain, second-cutting of hay and grain harvesting have been held up for three weeks due to repeated rains. Grain in the swath has been badly damaged by weathering and some sprouting. Frost on September 4 and 5 affected late grain. A month of good weather is needed to clear fields. Wheat, barley and oats should yield approximately 25, 30 and 40 bushels per acre, respectively.

In the northeast area at Bonnyville, harvesting operations are resuming slowly after a long rainy period. Practically no threshing has been done and a month of good weather is required to get the crop off. Much of the grain has been damaged by frost, weathering and sprouting. Both feed and seed grain shortages are expected. Many haystacks are spoiled. To the west at Colinton rainfall since May 1 has been 14.50 inches. Swathing is general but it is too wet to thresh yet. Some second growth is present in most crops and a bit of frost damage has been reported. Pastures are holding quite well and there has been very little hail damage this year.

In the Peace River area at Fort Vermilion there has been no rain since August 29 but despite heavy dews at night, farmers have been able to get most grain cut and about 25 per cent threshed. The first killing frost on September 8 froze much late rapeseed and flax but has helped the harvesting of coarse grains which had heavy green second growth. At Beaverlodge, continued wet, cold weather has further delayed harvesting of most crops. The yield and quality of much of the wheat, oats, flax and legume seed crops have now been reduced by killing frost. At best, a much below normal harvest is anticipated. Around Berwyn heavy frost during the past week has lowered grades and yields. Nevertheless, yields range from a high average to average. In the Berwyn-Fairview area 20 per cent is swathed and from 5 to 10 per cent has been threshed. In the Manning area 10 per cent is swathed and none has been harvested to date.

The Alberta Hail Insurance Board reports that on September 4 a storm started in Shoal Creek to Fawcett area and moved through to Rochester and Clyde about 15 miles wide and on between Willingdon and Vilna and on intermittently to Lloydminster with damage mostly light to medium.

The unweighted average precipitation for the province since April 1 has been 22 per cent above normal as compared with 21 per cent above normal a week ago, 15 per cent above normal two weeks ago, and 11 per cent above normal a year ago. Mean temperature for the week ending September 14 was 7.9 degrees below normal compared with 6.4 degrees below normal a week ago, 1.7 degrees below normal two weeks ago and in contrast to 5.4 degrees above normal for the week ending September 16, 1963.

BRITISH COLUMBIA

On Vancouver Island potato yields are good with above average quality. Pastures need rain but are normal for this time of the year. Irrigated pastures are better than usual. There is some decrease in hay due to adverse weather but silage storage has increased. Bartlett pears and early apple crops are above average in yield and quality. These have now been harvested.

In the Lower Fraser Valley pastures are excellent. Oat harvesting is 50 per cent complete with average yields. The canning corn harvest is in full swing with good quality reported. Fresh market corn is in good supply. The bean harvest is nearing completion. Pole-bean picking has been retarded because of lack of labour. Cole crops are in good supply and of good quality. Harvesting of brussels sprouts and broccoli has started. Weather conditions are average for September.

In the South Okanagan Valley peach picking has finished except Elbertas and Hales in central and northern districts. Late prunes and McIntosh apples are being harvested and are of good quality. There is a good apple crop in prospect. Sunshine is needed for grapes and canning tomatoes.

In the North Okanagan Valley normal rainfall has occurred during the growing season with heavy hay and cereal crops resulting. Harvesting weather has been poor. About one-third of the second-cut and most of third-cut hay has not been yet harvested. Hay quality is fair. It is expected that local requirements of hay will be met. About half of the cereal crops has been combined although much of the grain is damp. Dryland pastures and range lands have benefited greatly from the extra seasonal rainfall.

In the Southern Kootenays harvesting of cereal grains has been delayed for the past ten days because of showery, cool weather. The creal grains are about average in grade and yield. Fifty per cent of the harvest has been completed. Above average hay yields have been obtained during the season. Apples are colouring well and are slightly small in size.

In the Kamloops and Southern Cariboo area weather has been generally showery and cool. Frost occurred on September 10 and 11 which killed gardens and susceptible crops in most areas. Haying has been seriously hampered and has forced many ranchers to put up silage. Pastures have about run out and cattle are moving down from the higher ranges.

In the Prince George area of the Central Interior, much forage has been salvaged during past three weeks of dry weather with fair to poor quality. Some timothy stands have been threshed for seed. Barley has matured and is being combined. Most oats are late and are being harvested as green feed. All pastures have deteriorated rapidly as a result of frost and cool nights.

In the Smithers district haying is still progressing in all areas under more favourable weather conditions. Fall frosts have stopped growth of all frost-sensitive horticultural crops. Maturity has been seriously delayed in long season crops such as winter cabbage. Many cereal crops have been damaged by frost.

In the Peace River Block wet ground conditions are still restricting harvesting. Frost on September 4 reduced grades and yield of grain crops but these are still above average. Little grain has been harvested. Hay supplies are low because of continuous wet weather and haying has not yet been completed. The fescue brome seed harvest is complete but no clovers have been harvested.

In the Fort St. John area bumper crops have been heavily damaged because of several frosts. Yields are expected to be reduced by one-half. The following average crop yields are expected: wheat 18 bushels, barley 25 bushels, oats 25 to 30 bushels. The alfalfa seed crop has also been heavily damaged. Market gardens on river flats are severely damaged. There is a doubt that any crop will be harvested now other than root crops.

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature	
		Week ending	Total	Normal	week ending	
		8 a.m.	since	since	8 a.m.	
		Sept. 14, 1964	April 1	April 1	Sept. 14	
			inches		1964	Normal
					degrees F.	
<u>MANITOBA</u>						
1	Boissevain	.10	10.99	12.37	47	56
	Pierson	.10	13.80	11.93	49	56
	Waskada	.11	14.88(2)	12.23	48	57
2	Ninette	.10	13.83	12.78	49	56
	Baldur	.12	16.11	12.81	50	57
	Pilot Mound	.08	13.24	12.84	52	57
3	Altona	.07	13.76	12.25	52	57
	Deerwood	.08	15.87	12.31	52	56
	Graysville	.15	13.09(2)	11.78	50	57
	Gretna	nil	17.33	12.42	53	58
	Morden	.03	15.89	12.57	51	58
	Morris	.05	16.73	11.54	49	58
	Portage la Prairie	.12	16.35	12.44	51	57
	Roland	.02	14.74	12.23	52	57
4	Stonewall	.18	15.38	12.29	49	57
5	Emerson	.12	18.32	12.38	54	58
	Steinbach	.03	16.62	12.64	51	57
	Winnipeg	.06	12.64	12.18	52	57
	Starbuck	.14	15.44	12.18	52	57
6	Seven Sisters Falls	.04	14.62	11.81	52	55
	Great Falls	.53	14.95(2)	11.09	52	55
	Sprague	.12	18.54	13.93	50	54
7	Reston	N.R.	1.34(2)	12.00	N.R.	56
	Rivers	.06	12.42	13.13	47	56
	Virden	trace	14.49	11.60	48	56
8	Brandon	.24	14.60	13.16	47	55
	Cypress River	.07	12.23	12.00	48	56
9	Gladstone	.41	10.11	12.46	N.R.	N.R.
10	Birtle	.01	10.88	11.95	49	53
	Rosburn	N.R.	11.86(2)	11.43	N.R.	53
	Russell	nil	11.13	11.10	46	53
11	Dauphin	.03	10.00	11.38	49	57
	Gilbert Plains	trace	7.71	11.38	47	57
12	Arborg	.29	10.46	11.74	48	56
	Gimli	.89	14.33	12.26	51	56
	Steep Rock	.16	7.54	11.41	49	54
13	Swan River	.04	11.09(2)	11.38	46	53
	The Pas	.82	15.44	10.31	47	53
14	Grass River	.33	9.17(2)	12.64	48	56
MANITOBA AVERAGE		.15	13.80	12.11	49.6	56.0

II

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending	
		Week ending	Total	Normal	8 a.m.	
		8 a.m.	since	since	Sept. 14	
		Sept. 14, 1964	April 1	April 1	1964	Normal
			inches		degrees F.	
<u>SASKATCHEWAN</u>						
1A	Carlyle	nil	12.53	11.22	47	53
	Estevan	trace	12.80	11.87	48	57
	Oxbow	N.R.	10.08(2)	11.69	N.R.	55
	Willmar	N.R.	9.63(2)	11.17	N.R.	N.R.
1B	Broadview	trace	12.73	12.23	48	53
	Moosomin	nil	12.34	12.33	48	54
2A	Yellow Grass	.01	10.36	10.49	48	55
	Weyburn	N.R.	11.03(2)	10.70	N.R.	55
	Midale	nil	10.05	10.43	49	56
	Claybank	N.R.	8.48(2)	10.45	N.R.	55
2B	Moose Jaw	.07	7.71	9.67	49	57
	Regina	.07	11.28	10.12	48	54
	Francis	nil	13.37	9.83	45	55
	Qu'Appelle	.03	8.80	11.20	46	55
3AS	Indian Head	trace	10.00	10.40	47	55
	Ormiston	nil	7.66	10.34	47	55
	Minton	N.R.	9.13(2)	11.27	N.R.	56
	Cardross	.04	5.85	10.19	48	55
3AN	Ceylon	trace	8.55(2)	11.62	45	56
	Chaplin	.13	6.38	8.98	48	55
	Gravelbourg	.13	7.87	9.69	47	56
3BS	Shaunavon	.15	11.05	8.82	46	56
	Pambrun	.14	6.96	10.13	46	56
	Aneroid	.13	7.03	9.02	46	56
	Instow	N.R.	8.53(2)	9.23	N.R.	56
3BN	Swift Current	.25	8.67	10.10	46	56
	Hodgeville	.12	6.78(2)	10.03	45	56
	Hughton	.56	6.73	8.39	46	56
4A	Maple Creek	.45	10.59	8.77	47	56
	Consul	.05	7.07	7.91	45	55
4B	Abbey	.61	7.75(2)	8.06	47	54
	Leader	N.R.	10.21(2)	8.03	N.R.	54
5A	Cupar	.12	6.81	9.61	48	54
	Balcarres	N.R.	7.44(2)	9.33	N.R.	N.R.
	Lipton	trace	6.95	9.33	46	55
	Melville	nil	11.16	10.43	44	53
5B	Yorkton	.09	12.53	10.72	46	54
	Bangor	trace	9.82	10.77	46	54
	Dafoe	.19	10.70	11.63	46	54
	Foam Lake	.16	13.29	10.97	46	54
	Kuroki	.10	15.97	10.90	43	53
	Lintlaw	.11	15.94	10.83	44	52
6A	Kamsack	.08	11.90	10.58	46	54
	Davidson	N.R.	7.77(2)	8.68	N.R.	55
	Imperial	.12	8.03(2)	9.02	47	55
	Strasbourg	.15	9.32	9.61	48	54

III

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. Sept. 14, 1964	since April 1	since April 1	8 a.m. Sept. 14	
			inches		1964	Normal
					degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6A	Watrous	.16	7.58	8.67	48	55
6B	Harris	N.R.	4.18(2)	8.50	N.R.	54
	Outlook	.13	7.35	7.96	48	56
	Saskatoon	.38	7.72	9.67	46	54
	Elbow	.26	7.66	7.99	48	55
	Tugaske	.22	7.70	9.05	47	55
	Dundurn	.33	8.39	8.80	46	55
7A	Alsask	N.R.	7.00(2)	7.71	N.R.	54
	Kindersley	.59	10.60	8.17	44	54
	Rosetown	N.R.	7.78(2)	9.27	N.R.	54
7B	Macklin	.93	13.11	9.01	45	53
	Denzil	1.12	12.25	9.01	45	53
	Scott	.91	10.47	9.11	45	52
	Biggar	.59	9.32	9.14	45	54
8A	Hudson Bay	.17	14.83	10.84	45	51
	Prairie River	.20	11.15	10.52	44	52
8B	Humboldt	.09	11.84	8.83	45	54
	Melfort	.30	10.05	10.21	45	53
9A	North Battleford	.99	11.08	8.92	46	55
	Victoire	.97	12.75	9.61	49	50
	Prince Albert	.54	7.48	10.25	46	53
	Island Falls	1.96	15.92	11.52	45	51
9B	Waseca	.91	11.68	9.36	46	52
	St. Walburg	.54	12.50	9.87	43	51
SASKATCHEWAN AVERAGE		.28	10.25	9.84	46.3	54.3
<u>ALBERTA</u>						
1	Empress	.75	7.87	6.48	46	57
	Foremost	.55	11.11	9.20	46	56
	Hanna	.17	10.54	8.76	48	53
	Manyberries	N.R.	8.24(2)	6.96	N.R.	57
	Medicine Hat	.65	7.01	8.35	47	57
	Winnifred	.64	11.34	7.62	N.R.	N.R.
2	Brooks	.34	8.69	8.41	45	55
	Drumheller	.17	8.22	8.54	47	55
	Gleichen	.14	8.14	9.42	44	53
	Hays	.73	9.97	8.09	44	57
	Rainier	.36	8.72	8.26	47	55
	Vauxhall	.61	8.39	8.11	46	55
	Warner	1.26	13.38	9.92	44	54
	Raymond	1.02	13.08	9.79	46	54
	Lethbridge	.96	11.73	10.10	46	55
	Three Hills	.11	3.92(2)	10.31	44	52
	Trochu	.18	9.08	11.06	45	54



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IV

Precipitation and Temperature Data, Prairie Provinces(1)

Province and crop district	Station	Precipitation			Mean tem- perature week ending 8 a.m. Sept. 14	
		Week ending 8 a.m. Sept. 14, 1964	Total since April 1	Normal since April 1	1964	Normal
			inches		degrees F.	
<u>ALBERTA - Concluded</u>						
2	Vulcan	.45	10.47(2)	9.58	44	52
3	Calgary	.22	11.03	11.88	45	53
	Cardston	.74	16.10	10.76	44	53
	Pincher Creek	.90	14.47	12.30	46	51
	Fort MacLeod	.50	9.29	10.86	46	57
	High River	.52	8.21	12.68	42	51
	Magrath	N.R.	11.46(2)	10.48	N.R.	56
4	Alliance	.41	11.76	10.71	44	51
	Coronation	.19	7.97	9.09	46	53
	Hughenden	.63	12.41	9.92	43	52
	Lloydminster	.82	13.01	9.40	45	52
	Stettler	.31	9.45	11.37	44	51
	Vegreville	.27	10.44	10.49	45	54
	Ranfurly	.31	7.42(2)	10.99	45	54
	Vermilion	.36	12.78	11.47	45	51
5	Edmonton	.72	11.72	11.86	45	53
	Lacombe	.37	12.38	12.74	44	52
	Red Deer	.47	11.76	11.73	45	50
	Rocky Mountain House	.73	15.38	16.16	43	50
	Wetaskiwin	.65	11.41	11.79	45	52
6	Athabasca	N.R.	11.45(2)	10.80	N.R.	50
	Campsie	N.R.	14.88(2)	12.37	N.R.	50
	Edson	.91	17.22	13.57	42	50
	Elk Point	.50	13.10(2)	10.16	45	49
	Lac la Biche	.68	11.36	11.09	46	52
	Smith	.27	16.79	10.75	44	50
	Whitecourt	.27	19.78	14.11	43	49
7	Beaverlodge	.33	22.37	9.48	44	52
	Fairview	.18	15.55	9.64	45	51
	Ft. Vermilion	.16	9.44	7.77	43	50
	Grande Prairie	.58	20.10	9.08	45	51
	High Prairie	.49	18.76	10.93	41	51
	Peace River	.13	15.17	8.96	43	50
	Rycroft	.34	19.19	9.06	44	51
	Wagner	.53	18.46	10.70	44	50
ALBERTA AVERAGE		.49	12.52	10.27	44.7	52.6

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.