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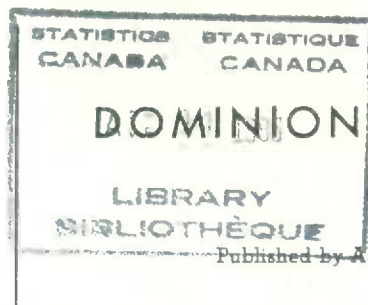
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TELEGRAPHIC CROP REPORT - CANADA

This is the second 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 fourth 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 Cool weather has prevailed throughout the Maritime Provinces in recent weeks. In Prince Edward Island, although intermittent rain has caused some delay, farmers have completed over half their seeding and planting. Hay prospects are good and meadows show promise although winter injury is reported in low-lying areas. In the western part of Nova Scotia small fruit and forage crops wintered well. Practically all of the processing peas have been planted. In the central Pictou district cold, wet weather has held up operations but the bulk of the seeding has been done. Conditions at Truro have been much the same and indications point to a good hay crop. Warmer weather is needed farther east and seeding is not so far advanced. Cool, dry weather during May enabled farmers in New Brunswick to complete seeding and planting operations. Grass growth is good on well fertilized meadows. Cool temperatures, however, are retarding development of horticultural crops.

Quebec Since the first of May, low temperatures, rain and windy weather have prevailed throughout practically all of Quebec. Frosts and hail have also been reported. These have damaged flue-cured tobacco, fruits, berries, as well as tomatoes, and delayed growth of the early potato crop in the Montreal district, at Three Rivers and in the Eastern Townships. Seeding has not yet been completed in the north and east of Quebec. In general, however, grain crops, hay meadows and pastures are looking well but growth is slow. Farmers started to transplant flue-cured tobacco on May 22 and cigar tobacco on June 1. In the Richelieu Valley, celery planting has been 60 per cent completed and sugar beets are being blocked. It is anticipated that growers will commence harvesting the first radishes and picking early strawberries by the week end. Market garden crops

Prepared in the Crops Section, Agriculture Division

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are generally promising but growth is slow. Forage corn and grain corn have both been seeded. Cattle are on pasture and in good condition. Milk production is rising. Reports indicate an epidemic of tent caterpillars in Quebec and Shefford Counties.

Ontario Seeding operations were carried out under good conditions in Ontario and most crops look promising. Winter wheat is headed and growing well. Pastures and hay crops are now progressing, but cold weather has retarded development somewhat. New seedings are showing effects of winter injury. Haying operations have commenced in some areas. Frost damage is reported to some of the tobacco crop as well as some fields of early corn, potatoes and strawberries. Thinning of sugar beets is under way and most vegetable crops are making good growth. Fruit crop prospects look good. In most areas warmer weather and more moisture would be welcome.

Prairie Provinces Early-seeded crops emerged well and, although in good condition, recent dry, cool weather has retarded growth. Late-sown and stubble crops have germinated unevenly in many instances. General rains would be welcome in most districts to stimulate crop growth, including hay and pasture, stands of which range from poor to fair. Frost has retarded growth of cereals in some districts and damaged rapeseed, flax, horticultural and other special crops. Some reseeded has been necessary. Summerfallowing and weed spraying operations are now being carried out.

British Columbia In all sections of British Columbia temperatures have continued to be below normal and this has retarded crop growth. Crop prospects, however remain generally favourable, although the maturity dates for early crops now appear to be a week or ten days later than normal. At the Coast early cabbage is now available and harvesting of strawberries and early potatoes will commence in the fourth week of June. In the Okanagan Valley current prospects point to good crops of prunes and peaches. Development of other fruit crops, in particular apples and pears, appears spotty. Planting of vegetable crops is complete but their growth continues to be slow. Seeding of grain and forage crops in the central part of the province and in the Peace River District is complete.

#### MARITIME PROVINCES

During the past month weather conditions in the Charlottetown area of Prince Edward Island have been cool. Intermittent rain during the last week has retarded seeding operations. Estimates indicate that from 50 to 65 per cent of the grain and from 50 to 75 per cent of the potato crops have now been planted. With favourable weather, farmers will complete all seeding operations in about one week's time. Pastures and hay meadows are doing well with new meadows, particularly, showing very promising prospects. However, considerable winter injury occurred in low-lying areas. Crop growth is slow due to the low temperatures which were considerably below those of last year. The strawberry crop outlook is good with very little winter injury reported and tree fruits have blossomed heavily.



In the Amherst district of Nova Scotia, field crop planting has been finished and most grain crops are up. Weather is warm and the Experimental Farm reports that they will be putting up ensilage within the next few days. Cattle are out to pasture and looking well for this time of the year. At Truro, farmers have just about completed seeding with the early-sown grain now showing. Weather conditions have been cool but grass growth is very good and pastures are in excellent condition. Winter-killing of clovers was very minor. A good hay crop is in prospect. Strawberry plantations came through the winter well and an average crop is expected. At Pictou cold, wet weather has hampered seeding but about 85 per cent of the crop is now in the ground. On Cape Breton Island only about 50 per cent of the seeding has been completed and growth is slow due to low temperatures. Some vegetable crops have been planted in this district.

Reports from Kentville in the Annapolis Valley indicate that moisture supplies are slightly below optimum. However, pastures and hay stands are good to excellent and seeding has been almost completed. Apple, pear, cherry and plum prospects are very good. Strawberries are in full bloom but due to the dry season last year there were few runner plants which may cut down the yield. Vegetable crop growth is described as fair. Moisture and warm weather are needed for haymaking. Farther west from Digby to Yarmouth pasture conditions are poor. Nearly all of the processing pea crop has been planted in Nova Scotia and bean planting has begun. Considerable increase in corn for silage is indicated.

Reports from Fredericton, New Brunswick, indicate cool, dry weather during May with frost at night during the last week of May and the first week of June. These conditions, however, permitted farmers to complete seeding and planting operations. However, growth has been retarded by this period of low temperatures. Early crops are emerging well. Fertilized hay and pastures are doing very well with legumes generally showing good stands. Early-sown corn, however, is suffering from the cool weather and some frost damage is reported. The fruit blossom was heavy and strawberry crops are described as very promising. More heat is required for the development of all crops. In the Andover district, cool weather has persisted during the past three weeks. Seeding is practically completed and early potatoes are emerging. The grain crops are making good growth and hay and pastures are also growing well. Moisture conditions are adequate but warmer weather is needed.

#### QUEBEC

At L'Assomption in Quebec farmers started transplanting flue-cured tobacco on May 22. Frost the following week caused some damage not only to tobacco plants but to strawberries and early-planted tomatoes as well. Transplanting of cigar tobacco started about June 1 at the L'Assomption Experimental Farm. The first asparagus was cut on May 11 and potato planting was started the same day. Millet was seeded about May 8 and oats, barley and flax May 15. Sugar beet seeding was finished by May 22 and grain and silage corn by May 29.

In the St. Jean district, cool, dry, windy weather has delayed vegetable growth. Damage from root maggot is showing in onions and radishes. A frost on May 21, significantly reduced the apple crop prospects although it is too early to determine precisely the extent of the damage. At Lennoxville, in the Eastern Townships, grain seeding has been almost finished. Pasture is satisfactory but plant growth is slow as a result of two weeks of cool weather. Hay crop prospects are good as a result of the favourable condition of new meadows. Forage corn planting has not been finished. In hay meadows and pastures, dandelions and mustard are very numerous.





Reports from Ste Anne de la Pocatière indicate that the month of May was dry with precipitation of 1.8 inches. Eighty per cent of the grains has been seeded. Farmers have also sown potatoes, corn and field turnips. Germination has been good with the early-sown grain crops now at the three to four leaf stage. Winterkilling of forage crops amounted to about 8 to 10 per cent. Plant growth is slow. Cattle have been on pasture since May 28. Rain on June 4 has helped hay and pasture crops.

In the Lake St. John district precipitation in May totalled 3.2 inches with a further 2 inches received in the last eight days. Temperatures have remained rather cool with the last killing frost recorded May 21. The rain delayed seeding operations which have not yet been completed. Meadows and pastures are coming along well with cattle out on pastures since May 28. Potato planting is almost finished. At Caplan 4.2 inches of rain fell in May with rainfall recorded during eighteen days. Grain seeding was delayed considerably as a result but early-sown fields are doing well. Potatoes are in excellent condition. Milk production has increased.

#### ONTARIO

In Middlesex county of Southern Ontario seeding of spring grains and corn was completed at the usual time. Early growth of grain crops is good and the outlook is promising. The outlook for pastures and hay is good except for new seedings. Some of the fall wheat and new seedings are somewhat uneven and a little backward because of dry conditions last fall. Weather conditions during late May and early June brought below normal temperatures, with several light frosts. Some of the corn has turned slightly yellow and a relatively small portion of the tobacco was frozen. Haying operations are under way. Most fruit trees showed an abundant bloom and the set is good. A good rain would be welcome. Fall wheat on Pelee Island is making normal growth and is well headed. Planting of corn and soybeans was completed under good conditions and, with adequate moisture, early plantings indicate a good stand.

Recent rains in Kent county have been most beneficial and, followed by warm weather, growth has been excellent. Some damage occurred in the southwest part of the county due to excessive moisture. Corn and soybeans are making good growth. Winter wheat has headed and prospects for this crop look good. Blocking of sugar beets is nearing completion and the crop appears excellent with nearly 100 per cent of the planted acreage still intact. Seeding of white beans is just commencing and planting of burley tobacco is fairly well advanced. Canning and truck crops are making good growth. Winds and light frost caused some damage to tobacco. Reports indicate only minor injury from flea beetles and cutworms. In Norfolk county winter-wheat and rye are headed and both crops look promising. Cutting of hay has just commenced and there should be a heavy crop. Spring grains and corn are making good growth. Transplanting of tobacco is almost completed although several frosts have caused damage to this crop. Fruit and vegetable crops in low lying areas also suffered some frost damage. Moisture supplies are adequate but warm weather is needed to promote good growth. Below-normal temperatures during the past ten days have delayed development of corn, tomatoes and fruit crops in Lincoln county. The strawberry harvest is off to a late start but cole crops and potatoes are making excellent growth. Prospects for tree fruits look good. Apple scab is only moderately prevalent but pear psylla and aphids abundant.





In Simcoe county of Western Ontario cold weather and limited soil moisture during late May and early June have retarded crop growth but warmer weather during the present week has again promoted rapid growth. Frost caused a setback for the hay crop and numerous fields of corn and potatoes were frozen. Haying operations will not be general for about one week although some early fields may be cut this week. Some frost damage occurred to strawberries and early vegetables. New seedings, hay and pastures all need more rain for good growth. Frost and cool weather have also hindered growth in Bruce county and as a result yields of hay and pastures will be reduced. Haying operations have commenced as farmers are hoping to obtain a good second growth. Continued cool weather also caused yellowing in corn but the crop is now reviving with warmer weather. Spring-sown grains are making good growth. Field work was completed somewhat earlier than usual in Wellington county this year. Repeated white frosts during the past ten days will shorten the growth of clover but no serious damage is reported to other crops. Although precipitation is still below normal recent rainfall will be of great help. Warm weather is now the main requirement.

Recent rains have revived crops in Waterloo county where growth had been very slow due to cold weather. The hay crop will not be quite as heavy as anticipated earlier. In Halton county haying operations are general and slightly above average yields are reported. Spring grains are growing rapidly but corn is yellow and growing slowly due to the cool, damp weather. Pastures are good and moisture conditions are generally about average. Frost caused damage to strawberries, tomatoes and melons. Extensive root maggot is evident in cabbage and cauliflower.

Corn planting is nearing completion in Peterborough county and spring-sown grains are showing above ground. Haying operations have commenced. Moisture conditions are good. In Durham county some frost damage is reported on early corn and tobacco. Some late corn is still to be seeded. Growth of hay and pastures is slow and warmer weather is needed to promote development of all crops. Strawberries look promising.

In Carleton county of Eastern Ontario seeding of cereal grains and corn was completed ten days to two weeks earlier than a year ago, with all of the cereals and 75 per cent of the corn planted by June 1. Early-seeded crops germinated well as mid-May weather and moisture conditions were favourable. However, cool weather and occasional frosts later in the month hindered growth. Damage to corn and potatoes from an early June frost has not been completely determined. Hay and pastures are in good condition and making normal progress. Soil moisture is adequate but more rain will be required to promote growth. Occasional frosts between May 21 and June 5 set back growth of the hay crop in Renfrew county. Prospects for the first cut are only fair. Early-seeded corn was also damaged and a few fields will be replanted. Early-sown potatoes also suffered a setback and about one-third of the tobacco crop will be replanted. Fall wheat is in average condition and spring-sown grains indicate good prospects.

In the Thunder Bay district the weather has been cool and wet and only about 60 per cent of the seeding has been done. Grass growth has been good and livestock have been on pasture since May 26. Spring-sown grains on lighter soils are doing well. The hay crop is progressing satisfactorily. Cold, wet weather prevailed around Nipewas during the last 20 days of May and as a result seeding of spring grains was delayed until early June. Growth of grasses and legumes has slowed down considerably after an early start.



MANITOBA

Early-sown crops in Manitoba are in fair condition but later-sown crops germinated unevenly, all crops require rain to ensure crop development. Frost damage last week was confined to vegetables, rapeseed, flax and mustard, and reseed-ing of damaged crops is almost finished. The last bit of seeding of oats and flax is being held up until moisture is received. Rainfall last week was light and scattered. Hay and pasture conditions are poor. Legume hay was partly damaged from frost.

Cool, clear weather, with touches of frost, have slowed crop development at Altona during the past two weeks. Variable rains over the past two days have been very beneficial and will even out emergence of late-sown crops. The frost recovery for field crops has been excellent. Sugar beet thinning and weed spraying are in full swing. Some flax remains to be sown. There have been scattered reports of grass-hoppers and flea beetles but the situation is not serious. Sunflowers, rapeseed, peas and corn are excellent. At Morden one-quarter to three-quarter inches of rain were received last week but more rain is needed. Hay and pasture stands are short and germination is uneven on late-seeded crops. There has been considerable frost damage to crops especially peas, corn and rapeseed. Crop growth has been slow. Summer-fallowing has started but very little weed spraying has been done. In the southeast part of the province, at Vita, scattered showers were also received over the week end and more precipitation would be welcome. Seeding is completed except in a few cases. Flax germination has been fairly good.

Farther west at Pilot Mound rains received early this week are very welcome, and especially beneficial on mustard, rape and rye crops which were touched with frost. Moisture supplies are adequate for the present but more will be needed. Pastures are only fair to good and hay stands are quite short. Field peas and flax stands are good. Frost damage was more severe on newly-broken land. Some flea beetle damage has occurred in rape crops. At Somerset topsoil moisture had become depleted but rains on Tuesday will improve conditions tremendously. Completion of seeding had been delayed because of dry soil. Now more flax will be sown. Frost caused injury to flax, rapeseed and gardens and a few fields had to be reseeded. Late-sown crops are patchy but earlier crops are good. Hay stands are poor.

North of Winnipeg at Stonewall virtually all seeding has been completed. Dry surface soil and cool weather are holding back crop development and hay and pasture growth. Native hay is very slow and native pastures are being depleted quickly. Insect damage is light. Some spruce spider mites have made their appearance. Gardens are suffering from frost damage and drought. Permanent damage to crops and hay will occur if no substantial rains are received within the next two weeks. At Portage la Prairie seeding is also completed. Germination of late-sown crops has been only fair. Frost damage has been minor. All growth is slow in the district. Pastures are fair and hay yields will be light. Grasshoppers are reported north of Cypress and aphids are present on trees. Rain would improve germination of late-sown crops although early-sown cereals are not suffering. Weed growth has been slow.

The Experimental Farm at Brandon reports that seeding is completed except for the odd field of barley and flax. A month without rain has left the soil surface very dry. Emergence of late-sown fields is irregular. Pastures and hay fields are in fair condition but require rain soon. A shower on Tuesday of .35 inches may have alleviated the situation temporarily but much of the benefit is being dissipated by strong winds. A series of light frosts has damaged susceptible ornamental and garden plants but only slightly affected cereal crops. On the whole prospects for grain crops are good.



Seeding is completed in all parts of the Virden districts. Subsoil moisture reserves remain good but a gentle half day of rain is needed for continued pasture and hay growth. Some weed spraying is being done but operations are not general.

In the west-central area at Neepawa a succession of frosty nights and cool days has retarded crop and pasture growth. Drought conditions prevail across the entire area and hay fields have been adversely affected. Insect infestations, especially grasshoppers, have become noticeable on sandy soils. If no rain comes, water for stock will become short by mid-summer. Seeding operations have been completed at Minnedosa and our correspondent says surface moisture reserves are very low resulting in poor germination. Some frost damage has occurred on wheat, oats, flax and rapeseed. Weed spraying has not started. Dry conditions also prevail over the entire area at Shoal Lake. Frost damage is evident in some barley, rapeseed and flax stands, with reseeding necessary in some cases. Cereals and hay and pasture still remain in good condition but moisture will be required soon. Gardens generally were severely affected by frost. Weed spraying is expected to become general by June 15. Farther west at Russell weather conditions remain clear with high winds and rain is needed. Frost damage occurred in some barley, wheat, flax and alfalfa fields. Growth of all crops has been slowed due to dry conditions. Weed spraying will begin by the end of this week.

In northern Manitoba at Dauphin seeding is completed but growth is very slow due to cold weather and frost. Late-seeded crops are germinating very unevenly. Surface moisture is low and good rains are needed for germination and recovery of crops and pastures from wind and frost damage. All gardens received frost damage. Weed spraying has started. Cool, dry weather has prevailed during the past three weeks at Swan River. Soil drifting has been quite severe on lighter land. Seeding is well advanced with only some fields of oats and rape to be completed. Moisture is badly needed in all parts of the area. Flea beetle damage on rapeseed is general.

The Entomological Laboratory at Winnipeg states that present indications point toward another bad season in terms of aster yellows infection on vegetable crops and flax and barley. Populations of migrant leaf hoppers are above normal. Grasshopper hatching continues to be slow due to cool weather. Control operations have commenced on a limited scale.

The average unweighted precipitation for the province since April 1 has been 2 per cent below normal in contrast to 17 per cent above normal a week ago, 45 per cent above normal two weeks ago and 89 per cent above normal a year ago. Mean temperature for the week ending June 8 was 0.9 degrees below normal compared with 9.2 degrees below normal a week ago and in contrast to 9.0 degrees above normal two weeks ago and 5.4 degrees above normal for the week ending June 10, 1963.





SASKATCHEWAN

After showing excellent germination and emergence crop growth in Saskatchewan is now very slow due to lack of adequate surface moisture in the greater part of the province. Rains in the southeast and the Regina-Weyburn district, as well as local showers in a few other scattered points, have resulted in satisfactory advancement, but crop progress is at a standstill in the remaining areas. Early rains are now a requirement to ensure proper development and to stimulate and encourage a favourable crop outlook. Grasshopper and cutworm activity is very spotty and there has been no significant damage so far. It has been necessary to reseed a few fields of coarse grains and rapeseed which were badly damaged by frost, but indications are most other fields will recover from this setback.

In the southeast part of the province at Willmar 0.42 inches of rain over the week-end will help late-seeded crops to germinate and possibly more flax will be sown. Crop prospects at present look fairly good and pastures and forage crops are showing excellent growth. There have been some reports of grasshoppers in farm yards and along roadways, but so far no damage has resulted. Most summerfallows have been worked. Early-seeded crops are making good growth at Fillmore but emergence of some of the later-seeded crop appears uneven because of dry surface soil. Week-end rains, however, have greatly improved crop conditions. Fall rye is now heading. While frosts damaged gardens there is very little evidence of permanent damage to field crops.

The Experimental Farm at Indian Head reports that seeding is completed in that area and crops are making good growth. Rainfall in the district, ranging from 0.45 to 0.75 inches over the past weekend, will maintain a steady growth of cereal crops. Hay and pastures were showing signs of drought before the rains but should now continue to make favourable progress. Spraying for wild oats is being carried out on many fields and preparations are under way for spraying with 2-4-D. Most summerfallow fields have had their first cultivation. Grasshoppers are hatching in some areas but do not appear to be a serious threat as yet. Livestock are in good condition.

All crops have made satisfactory growth in the Gravelbourg district in the southwest part of the province, although no moisture to any extent has fallen since the last report. First operations on summerfallows have been completed and spraying is well advanced although some late-sown crops are not yet ready for this operation. The Experimental Farm at Swift Current reports that nearly four weeks of dry weather has exhausted the surface moisture supplies although grain crops continue to make fair growth. On the other hand, grasslands have deteriorated badly. Scattered showers over the week-end brought some relief in local areas. First operations on summerfallows have been completed and spraying for weed control is in progress although this operation would be more effective if moisture conditions were better.

Only scattered light rains have been received in the Val Marie district and crops are rated as fair to poor. Weed growth is extensive and although spraying operations are under way this control measure is not too effective because of the dry conditions. Early-sown crops are patchy. Recently the weather has been mainly cool. Rain is also needed to improve grazing lands and forage supplies and in many places water for cattle is short. Rains ranging from one-quarter to three-quarters of an inch finally brought an end to the hot, dry weather in the Shaunavon district. Seeding of all crops is now complete and it is estimated that two per cent more wheat was seeded than in 1963. First operations on summerfallows are nearing completion. Although grasshoppers are hatching, there have been no reports



of damage but losses from cutworms occurred in local areas. There is a shortage of water for livestock in some of the community pastures. At Leader crops are progressing nicely. Summerfallow operations are completed and weed spraying has begun. Grasshopper outbreaks are reported in local areas. Pasture growth is very good.

Lack of moisture is the dominant factor retarding crops in the Togo district in the east-central part of the province. Seeding is completed and emergence of early crops has been good. Recent frosts have retarded growth on some fields. Weed spraying is started but this operation is not general due to the dry condition. Pastures are below normal and hay crops look poor because of drought and frost. Seeding is also completed at Melville and moisture conditions are rated as good although only 3.24 inches of rain have fallen this year in contrast to 6.39 inches in the same period a year ago. Spraying for weeds is in progress and grasshoppers are hatching in local areas. Seeding is all finished at Sturgis and crops on summerfallow look good but stubble seedings are coming up uneven because of the dry topsoil. Frost did some damage and rain will be needed soon to advance all crops.

There has been no rain since May 7 in the Drake district in the central part of the province and strong winds have depleted the moisture supplies. Grain and weed growth have been slow and development in many instances has been retarded by frequent frosts. Fall rye has headed. Hay prospects are poor and pastures are dry. Rain is urgently needed soon to advance all crops. Grasshoppers are now hatching and chemical spraying is under way. All crops are up and looking good in the Saskatoon district but winds have dried the topsoil and rain is needed to advance all growth. Fall rye is heading but also needs rain to ensure proper filling. Pasture and forage crops are deteriorating due to a lack of moisture. Grasshoppers and cutworms are present in a number of fields but no serious damage has been reported to date.

In the west-central part of the province around Rosetown seeding is completed except for some flax. Early wheat fields are now from three to four inches in height. Some farmers are now spraying for weed control. There has been no cutworm or grasshopper damage to date. Rainfall since April 1 totals 2.89 inches. The Experimental Farm at Scott reports that 0.38 inches of rain over the week end was sufficient to germinate late crops and start weed growth but was not heavy enough to be of value to hay crops which are burning badly. Early grain crops have reached the spraying stage and are developing rapidly. There has been some flea beetle damage to rape but no grasshopper damage is reported.

In the northwest part of the province at Meota rainfall since April 1 has totalled 2.50 inches and growth of crops has been good although there has been some damage due to soil drifting. Conditions in the district are rated generally good but rains are now needed to bring on the pastures. Wheat averages three inches at Paradise Hill, but moisture conditions are only fair, and rain and warmer weather will be required soon to ensure proper advancement. Pastures and hay crops range from fair to good.





The Experimental Farm at Melfort in the northeast part of the province reports that seeding is practically completed but continuous dry weather is suppressing growth of all crops. Early-seeded fields germinated fairly uniformly and show fair stands but stubble and late-seeded summerfallow fields are germinating very poorly. Flea beetles are very active on rape fields and spraying to control these pests is general throughout the region. Damage in some cases has been masked by killing frosts which occurred for several continuous nights. Some re-seeding of flax and rape is necessary. Pastures are very dry and rain is needed soon to sustain all plant growth.

Average unweighted precipitation for the province since April 1 has totalled 0.3 per cent below normal in contrast to 13 per cent above normal a week ago, 39 per cent above normal 2 weeks ago and 56 per cent above normal a year ago. Mean temperature for the week ending June 8 was 2.1 degrees above normal compared with 6.6 degrees below normal a week ago, 7.2 degrees above normal 2 weeks ago, and 0.6 degrees below normal for the week ending June 10, 1963.

#### ALBERTA

With warm weather, early-sown crops are making good progress in Alberta. In general, however, surface soils are drying rapidly and late-seeded crops need rain for even germination. Useful precipitation during the past week was confined to the southwest and Peace River area. In some districts seeding of late flax and other late crops is being postponed for more moisture. Because of streak mosaic damage about 40 per cent of the winter wheat has been cultivated out at Lethbridge and other areas are affected to the extent of 10 to 15 per cent. Indications are that planting intentions have been carried out in all areas except eastern Peace River districts where wet weather hindered wheat seeding. Pastures are good in southern, central and Peace River districts but rate only fair in most other northern regions. Grasshoppers are hatching rapidly in the south and, in isolated cases, considerable damage had occurred before observed, due to species being the type that hatch throughout fields rather than predominantly in field borders. The hatch in central regions is not sufficiently advanced to permit an estimate of infestation. Damage by pale western cutworms has occurred across the south of the province as far north as Nobleford with some control by chemicals reported.

At Manyberries all crops are growing well with wheat four to six inches and coarse grains about four inches high. Showers last week end greatly improved moisture conditions, particularly for range vegetation which had begun to show signs of drought. Only isolated showers have occurred around Medicine Hat where good general rains are required to sustain the crop conditions which are now fair to good, with some fields definitely suffering. Conditions of rye and winter wheat are fair to good and all irrigated crops are doing well with alfalfa nearing the cutting stage. Farmers are spraying for weeds. Some cutworm damage has been noted and there has been scattered grasshopper hatching in local areas.

Cereal crops in the Lethbridge area show a generally satisfactory stand but are slightly later than usual. Damage by pale western cutworm has led to some reseeding and is requiring chemical control in several areas. Ideal conditions are reported from Cardston where seeding is completed with the exception of some green feed. All crops and pastures are good and, contrary to the general situation in the province, some damage by heavy rains is reported. At Claresholm



winter wheat is in the shot blade and fall rye is heading. Seeding of all spring grains has been completed and conditions are good with growth normal.

A report from Brooks stresses the need of a general rain. Most of this south-central region has become quite dry and farmers are now putting on water in the irrigation areas. Germination was good and stands of cereals and flax are even except where damaged by soil drifting. All grain crops in the Hanna district are looking good. The weather has been cool and about one-half inch of moisture was received last weekend. Hayland and range are in need of further good rains. Crops have also had a good start in the Calgary district where all seeding is completed: Subsoil moisture is still fair but surface moisture has been depleted except where very local showers have occurred. A general rain is now needed to restore good moisture conditions and to maintain crop prospects which are good at present. Farther north, at Olds, wheat is reported to be three to four inches high and other grains are coming along rapidly. Some showers have fallen throughout this district but a general rain would be welcome.

Seeding has been completed at Sedgewick in the central region and all crops including pastures and hay are reported to be in good condition with rain needed soon to maintain moisture. Seeding is also completed in the Donalda district except for some green feed and cover crop. Growth is good although high winds have almost depleted topsoil moisture. Weather has been cold and windy. Similar conditions prevail at Stettler with some coarse grains still to be seeded. Crops and pastures are looking good. Our reporter states that considerable grass seed is being sown in this district this spring.

Weather has been cool and unsettled with light local showers in the Red Deer district. Early-sown crops germinated well but weed growth is heavy.. Some green feed is still to be seeded. A heavy hay crop is in prospect but more general rains will be required soon to maintain these conditions. The Lacombe district has had no rain since May 24. Seeding is completed except for some late barley fields. Cereal crops and pastures have made very good growth but now require immediate rains to prevent deterioration. Scattered showers during the past week have maintained fair surface moisture conditions at Eckville. This district still has good subsoil moisture and crops are doing well although some fields are heavily infested with weeds. Spraying for weeds is about to commence. Approximately 50 per cent of first operation on summerfallow has been completed.

Moisture conditions are reported to be normal at Vermilion. All of the wheat and 75 per cent of coarse grains have been seeded. Rapeseed is still to go in. Growth of wheat is very good and pasture conditions are normal. Wild oats continue to be a problem in this northeast-central district and there are indications that a lot of wild oat spray will be used this spring. At Edmonton, moisture conditions are only fair and a general rain is now needed. Seeding has been completed and germination has been even.

Northeast of Edmonton, at Bonnyville, early-seeded grain has made good progress but deterioration is expected unless rain is received soon. Some hay and forage fields are already starting to suffer for lack of sufficient moisture. Light local frosts were reported last week but damage was not extensive. Some early-seeded wheat is eight to ten inches high in the Colinton district north of Edmonton. All crops came up very well and are doing fine but rain is needed soon as none has been received since May 26. Pastures and forage crops are reported to be in very good condition.





Crop prospects are excellent in the Beaverlodge area where all seeding has now been completed. Recent warm weather has promoted rapid growth of all crops. In the Berwyn district, however, wheat seeding was delayed and some rapeseed has been sown in place of wheat due to the lateness of the season. Parts of this district have had poor emergence due to a hard baked soil crust. Some oats have been reseeded. Rape-seed sowing is 75 per cent completed. The district has excellent hay crop prospects. Warm weather last week promoted excellent growth on hay and pasture crops in the Fort Vermilion district. A heavy weed growth, especially of stinkweed and wild oats is reported. Seeding in this district is 95 per cent completed with some green feed still to be seeded.

The unweighted average precipitation for the province since April 1 has been 32 per cent above normal, compared with 19 per cent above normal a week ago, 80 per cent above normal two weeks ago, and in contrast to 24 per cent below normal a year ago. Mean temperature for the week ending June 8, 1964 was 4.1 degrees above normal, compared to 1.1 degrees below normal a week ago, 0.9 degrees above normal two weeks ago, and 0.4 degrees above normal for the week ending June 10, 1963.

#### BRITISH COLUMBIA

On Vancouver Island growth of early potatoes has been delayed by cold weather. Development of hay crops appears excellent and harvesting of grass silage is in full swing. Prospects for fruit and vegetable crops seem good. Strawberry picking will commence in two to three weeks' time.

In the Lower Fraser Valley, temperatures and precipitation are average for this period. All crops appear to be in excellent condition. There is a marked improvement in corn crops and strawberry plantations. Due to previous wet and cool conditions, corn planting is still under way. Harvesting of first-cut hay and silage has commenced. There is considerable seepage on to crop lands outside diked areas. However, most farmers in such areas have cut silage crops early, prior to the rise of the river. The flood situation appears to be stabilized, although at this moment the outlook is uncertain.

In the South Okanagan Valley apricots, sweet cherries, peaches and prunes appears to be quite good. Red Delicious prospects are good but McIntosh and Newtons are expected to be a little lighter than last year. Yields of Bartlets and Anjou pears will be good in some localities but spotty elsewhere.

In the North Okanagan Valley spring rainfall has been about two-thirds of average and temperatures have been cool. As a result, crop growth is two weeks later than usual. Harvesting of first-cut alfalfa should commence around June 12. It is anticipated that yields of forage and cereal crops will be good.

In the Southern Kootenay, moisture conditions were and still are favourable. Seeding of all cereal grains was completed by May 24. Hay and pasture crops have made favourable growth and a heavy first-cut of alfalfa is expected.





Kamloops and Southern Cariboo areas have been cooler than normal with local showers. Cutting of first-crop hay has commenced in the lower valleys, but work is being hampered by rain. The main rivers are rising steadily and still present a flood hazard.

Spring seeding in Bulkley valley and lakes area was delayed because of excessive moisture. All forage crops are making excellent progress. Potatoes have been planted in all areas but flood damage is evident on horticultural crops in the Skeena Valley. Around the Prince George area heavy rains and warm temperatures have provided favourable conditions. Growth of all perennial crops has been rapid. Grain seeding is 80 per cent completed. The remainder of the grain seeding is being delayed by wet ground. Present moisture conditions assure good hay and pasture crops.

In the Dawson Creek district of the Peace River Block, grain seeding has been completed. Germination and growth of crops have been rapid. Prospects for grain crops seem to be excellent, though general rains are required in the next two weeks. Growth of pasture and hay has been good, although moisture supplies are low.



## I

## 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. June 8, 1964	since April 1	since April 1	8 a.m. June 8	
			inches		1964	Normal
						degrees F.
<u>MANITOBA</u>						
1	Boissevain	.35	3.81	4.07	58	58
	Pierson	N.R.	4.66(2)	3.97	N.R.	59
	Waskada	.92	5.62	3.76	61	58
2	Ninette	.02	3.87	4.39	59	58
	Baldur	N.R.	3.37(2)	4.17	N.R.	58
	Pilot Mound	.13	3.42	3.95	58	57
3	Altona	.15	3.41	3.72	59	59
	Deerwood	.28	2.71	3.99	60	58
	Graysville	.09	2.99	3.77	55	59
	Gretna	.15	5.11	3.80	58	59
	Morden	.28	3.16	4.28	59	60
	Morris	.30	5.42	3.50	59	61
	Portage la Prairie	trace	2.43	3.81	59	60
	Roland	.10	3.23	3.83	58	59
4	Stonewall	nil	4.12	3.74	57	59
5	Emerson	.38	5.46	3.81	59	61
	Steinbach	.30	5.27	4.01	57	59
	Winnipeg	trace	3.48	3.86	58	59
	Starbuck	trace	3.01	3.86	N.R.	59
6	Seven Sisters Falls	nil	4.66	3.30	57	57
	Great Falls	.02	3.64	3.02	58	57
	Sprague	.11	5.55	4.30	55	57
7	Reston	N.R.	1.34(2)	3.80	N.R.	59
	Rivers	trace	3.58	3.84	59	57
	Virden	.11	5.81	3.55	59	59
8	Brandon	trace	4.62	4.17	59	58
	Cypress River	.50	3.10	3.76	58	59
9	Gladstone	nil	2.56	3.52	N.R.	N.R.
10	Birtle	trace	2.80	3.16	57	57
	Rosburn	N.R.	2.71(2)	3.19	N.R.	57
	Russell	trace	3.27	3.12	57	56
11	Dauphin	trace	1.79	3.44	56	59
	Gilbert Plains	nil	1.79	3.44	56	59
12	Arborg	.01	2.46	3.25	53	58
	Gimli	trace	3.85	3.44	56	58
	Steep Rock	nil	1.88	3.66	54	57
13	Swan River	nil	3.43	2.93	56	57
	The Pas	trace	3.52	2.82	54	56
14	Grass River	nil	1.86	3.60	57	58
MANITOBA AVERAGE		.12	3.62	3.68	57.4	58.3





## 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. June 8, 1964	since April 1	since April 1	June 8	
			inches		1964	Normal
						degrees F.
<b>SASKATCHEWAN</b>						
1A	Carlyle	.95	4.16	3.33	58	57
	Estevan	.69	3.71	3.22	60	59
	Oxbow	.40	2.90	3.68	58	59
	Willmar	.50	3.40	3.34	N.R.	N.R.
1B	Broadview	.52	4.30	3.18	56	56
	Moosomin	.34	4.39	3.47	58	58
2A	Yellow Grass	.23	2.71	3.12	58	58
	Weyburn	.43	3.11	3.22	59	57
	Midale	.77	2.48	3.33	60	58
	Claybank	N.R.	3.25(2)	3.22	N.R.	58
2B	Moose Jaw	.52	2.95	3.20	60	59
	Regina	1.00	2.64	3.06	60	58
	Francis	1.87	3.90	2.77	57	57
	Qu'Appelle	.41	3.27	3.70	58	57
	Indian Head	.45	3.63	3.28	58	58
3AS	Ormiston	.13	1.73	3.25	62	58
	Minton	.27	2.76	3.72	59	59
	Cardross	.05	1.92	3.29	64	N.R.
	Ceylon	.06	2.83(2)	3.74	57	58
3AN	Chaplin	.75	2.98	3.02	60	58
	Gravelbourg	.14	2.07	2.84	61	58
3BS	Shaunavon	.24	4.44	3.15	60	57
	Pambrun	.61	2.11	3.05	62	58
	Aneroid	.05	1.48	3.20	61	58
	Instow	.08	2.44	3.15	61	58
	Swift Current	.22	2.35	3.29	61	58
3BN	Hodgeville	.26	1.46	2.99	60	58
	Hughton	.54	1.83	2.75	62	58
	Maple Creek	.24	3.60	3.00	64	58
4A	Consul	.10	2.19	2.65	58	56
	Abbey	.11	2.71	2.71	63	58
4B	Leader	.22	3.91	2.69	64	59
	Cupar	.31	2.63	2.95	60	57
5A	Balcarres	.63	3.11	2.87	N.R.	N.R.
	Lipton	.39	2.82	2.87	59	57
	Melville	.20	3.52	2.95	59	57
	Yorkton	.03	3.25	3.00	58	57
	Baigor	.24	4.27	3.10	57	57
	Dafoe	.01	2.95	2.71	59	58
5B	Foam Lake	.01	3.83	3.15	58	57
	Kuroki	.11	5.42	3.20	57	55
	Lintlaw	.18	5.79	3.25	55	54
	Kamsack	.12	2.52	2.74	58	57
	Davidson	N.R.	2.48(2)	2.96	N.R.	58
6A	Imperial	nil	2.22	3.05	60	57
	Strasbourg	.15	2.27	3.02	61	56
	Watrous	trace	2.21	2.75	60	57



## III

## 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.	June 8
		8 a.m. June 8, 1964	since April 1	since April 1	1964	Normal
		inches			degrees F.	
<u>SASKATCHEWAN</u> - Concluded						
6B	Harris	.55	3.18	2.51	58	58
	Outlook	.37	2.65	2.48	N.R.	58
	Saskatoon	.06	2.08	2.75	61	58
	Elbow	.11	2.67	2.86	62	59
	Tugaske	.22	2.87	3.09	59	57
	Dundurn	.04	2.56	2.66	62	58
7A	Alsask	.16	3.33	2.69	62	58
	Kindersley	trace	2.90	2.40	61	57
	Rosetown	.40	2.77	2.88	60	57
7B	Macklin	.18	3.70	2.91	59	56
	Denzil	.46	4.59	2.91	57	56
	Scott	.38	3.30	2.98	59	55
	Biggar	.57	3.44	2.71	61	58
8A	Hudson Bay	.01	3.94	3.11	53	54
	Prairie River	trace	1.93	3.03	53	52
8B	Humboldt	.07	1.69	2.70	58	55
	Melfort	trace	1.16	2.85	57	57
9A	North Battleford	trace	3.74	2.73	60	58
	Victoire	.01	3.68	2.36	54	55
	Prince Albert	trace	1.68	3.16	57	57
	Island Falls	nil	3.18	2.92	54	52
9B	Waseca	nil	4.04	3.00	59	55
	St. Walburg	nil	2.26	2.97	60	54
SASKATCHEWAN AVERAGE		.28	3.00	3.01	59.2	57.1
<u>ALBERTA</u>						
1	Empress	nil	3.17	2.00	N.R.	59
	Foremost	1.16	6.68	3.60	63	58
	Hanna	.54	3.45	2.71	61	58
	Manyberries	.84	3.47	2.53	62	58
	Medicine Hat	.16	3.34	3.05	65	60
	Winnifred	.54	4.29	3.31	N.R.	N.R.
2	Brooks	.32	2.63	3.04	62	59
	Drumheller	.09	2.52	2.61	N.R.	58
	Gleichen	.66	3.44	3.36	60	57
	Hays	nil	3.16	2.97	65	59
	Vauxhall	trace	4.05	2.95	62	57
	Warner	1.60	7.46	4.01	58	57
	Raymond	.66	7.87	4.10	61	57
	Lethbridge	.32	6.93	4.08	63	56
	Three Hills	N.R.	1.76(2)	3.12	N.R.	55
	Trochu	nil	3.32	3.54	60	56
	Vulcan	.19	4.27(2)	3.68	60	57
	Rainier	nil	2.70	2.99	62	58



## 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. June 8, 1964	since April 1	since April 1	8 a.m. June 8	
			inches		1964	Normal
						degrees F.
<u>ALBERTA</u> - Concluded						
3	Calgary	.11	3.14	3.90	60	54
	Cardston	2.24	9.71	4.33	58	56
	Pincher Creek	1.10	9.61	5.02	57	54
	Fort MacLeod	.03	5.00	4.14	61	58
	High River	.37	4.00	4.93	56	52
	Magrath	.86	6.03(2)	N.R.	59	N.R.
4	Alliance	nil	3.89	2.98	58	55
	Coronation	.04	3.44	2.59	60	56
	Hughenden	.23	4.25	2.74	60	57
	Lloydminster	nil	3.52	2.78	60	56
	Stettler	nil	4.72	3.42	59	55
	Vegreville	.05	3.07	2.81	N.R.	55
	Ranfurly	.06	3.27	3.17	60	55
	Vermilion	.02	3.97	2.74	59	55
5	Edmonton	.05	2.92	3.58	60	57
	Lacombe	.04	3.55	4.14	60	55
	Red Deer	trace	4.47	3.52	59	54
	Rocky Mountain House	.18	6.63	4.72	58	53
	Wetaskiwin	.03	3.39	3.58	60	55
6	Athabasca	N.R.	3.06(2)	3.02	N.R.	54
	Campsie	.04	4.29	3.51	58	54
	Edson	.56	4.96	3.59	58	53
	Elk Point	nil	2.95(2)	2.70	60	54
	Lac la Biche	.10	2.59	3.14	59	56
	Smith	trace	3.71	2.98	57	54
	Whitecourt	.49	5.35	3.94	58	53
	Beaverlodge	N.R.	4.34(2)	2.77	N.R.	54
7	Fairview	.11	3.80	2.89	61	54
	Ft. Vermilion	nil	2.67	2.37	62	56
	Grande Prairie	.78	3.61	2.74	60	54
	High Prairie	.26	5.45	2.96	56	56
	Peace River	N.R.	5.04(2)	2.26	N.R.	54
	Rycroft	.20	3.65	2.52	58	55
	Wagner	.31	3.30	2.93	55	54
ALBERTA AVERAGE		.32	4.32	3.28	59.8	55.7

N.R. - No report.

(1) Source: Meteorological Service of Canada.

(2) Incomplete; not included in average.



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