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TELEGRAPHIC CROP REPORT - CANADA

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

Preliminary Estimates of Specified Crop and Summerfallow Acreages  
Prairie Provinces, 1960

An advance statement on acreages seeded to wheat, oats, barley, rye, rapeseed and flax and acres in summerfallow in 1960 for the Prairie Provinces appears on page 2 of this report. The regular acreage report for crops seeded by provinces will be released on July 29. The acreage estimates published in the accompanying report are based on returns from the Dominion Bureau of Statistics' annual June Survey of seeded acreages and the estimates have been made in consultation with Agricultural Statisticians in each province. These are advance preliminary estimates and changes may have to be made when tabulation of all returns is completed. In some districts in the Prairies, seeding was late and in order to reflect late season shifts in seeded acreage the mailing of the questionnaires to these districts was delayed until most of the crops were planted.

The advance preliminary estimates of the 1960 crop acreages show that farmers in the Prairie Provinces seeded 22.6 million acres of all classes of wheat in 1960 the same as the previous year but 5 per cent less than the 1949-58 ten-year average of 23.8 million. The acreage seeded for oats for grain at 7.9 million also registered no change from 1959 but this level is 4 per cent larger than the ten-year average of 7.6 million acres. The acreage seeded to barley in 1960 at 7.2 million acres declined 11 per cent from the 1959 area of 8.1 million acres and is 10 per cent below the 1949-58 average of 8.0 million acres. The acreage seeded to flaxseed at 2.8 million registered an increase of 31 per cent over the 1959 acreage of 2.1 million and 76 per cent over the ten-year average of 1.6 million acres. This year's level is still well below the record of 3.5 million acres grown in 1957. Rapeseed acreage at 726.0 thousand acres increased a spectacular 240 per cent over the 1959 acreage of 213.5 and established a new record, 16 per cent above the previous high of 626.0 thousand acres grown in 1958. The acreage sown to fall and spring rye combined at 450.0 thousand is 3 per cent larger than the 1959 acreage but 47 per cent below the 1949-58 average. The acreage to be summerfallowed at 23.9 million acres declined 2 per cent from the previous year, but is 2 per cent above the recent ten-year average of 23.4 million acres.

Note: Data for Newfoundland not available.

Prepared in the Crops Section, Agriculture Division

Preliminary Estimates of Crop and Summerfallow Acreages, 1960  
with Comparisons - Prairie Provinces

Crops	Average 1949- 1958	1958	1959	1960	1960 as % of 1959
- acres -					
<u>PRAIRIE PROVINCES</u>					
Spring wheat (incl. durum)	23,760,000	20,244,000	22,557,000	22,590,000	100
Oats for grain	7,579,000	7,584,000	7,882,000	7,913,000	100
Barley	8,006,000	9,369,000	8,107,000	7,196,000	89
Fall rye	555,500	307,300	324,000	349,000	108
Spring rye	288,100	111,500	110,900	101,000	91
All rye	843,600	418,800	434,900	450,000	103
Flaxseed	1,588,000	2,602,000	2,130,000	2,797,000	131
Rapeseed	184,600	626,000	213,500	726,000	340
Summerfallow	23,364,000	25,304,000	24,525,000	23,938,000	98
<u>MANITOBA</u>					
Spring wheat (incl. durum)	2,323,000	2,358,000	2,594,000	2,659,000	102
Oats for grain	1,635,000	1,711,000	1,729,000	1,831,000	106
Barley	1,911,000	1,584,000	1,349,000	1,071,000	79
Fall rye	67,900	65,100	75,600	79,000	104
Spring rye	10,600	6,400	7,400	6,000	81
All rye	78,600	71,500	83,000	85,000	102
Flaxseed	522,000	550,000	575,000	707,000	123
Rapeseed	14,900	21,000	12,000	36,000	300
Summerfallow	2,910,000	3,032,000	2,971,000	2,886,000	97
<u>SASKATCHEWAN</u>					
Spring wheat (incl. durum)	15,309,000	13,182,000	14,803,000	14,871,000	100
Oats for grain	3,311,000	3,064,000	3,303,000	3,352,000	101
Barley	2,851,000	3,939,000	3,148,000	2,635,000	84
Fall rye	342,000	161,000	175,000	190,000	109
Spring rye	203,500	86,600	78,600	75,000	95
All rye	545,500	247,600	253,600	265,000	104
Flaxseed	802,000	1,496,000	975,000	1,400,000	144
Rapeseed	157,000	535,000	165,000	550,000	333
Summerfallow	13,772,000	15,255,000	14,816,000	14,452,000	98
<u>ALBERTA</u>					
Spring wheat (incl. durum)	6,128,000	4,704,000	5,160,000	5,060,000	98
Oats for grain	2,632,000	2,809,000	2,850,000	2,730,000	96
Barley	3,244,000	3,846,000	3,610,000	3,490,000	97
Fall rye	145,600	81,200	73,400	80,000	109
Spring rye	74,000	18,500	24,900	20,000	80
All rye	219,500	99,700	98,300	100,000	102
Flaxseed	264,000	556,000	580,000	690,000	119
Rapeseed	43,400	70,000	36,500	140,000	384
Summerfallow	6,682,000	7,017,000	6,738,000	6,600,000	98

1/ Composed of 10-year 1949-58 average in Saskatchewan, 7-year 1952-58 average in Manitoba and 4-year 1955-58 average in Alberta. 2/ 1952-58 average. 3/ 1949-58 average. 4/ 1955-58 average. 5/ Revised. (See details on page 3)



Revised Estimates, Acreage, Yield and Production of Flaxseed and Rapeseed  
Prairie Provinces, 1959

Province	FLAXSEED			RAPESEED		
	Seeded	Yield	Product-	Seeded	Yield	Product-
	Acreage	per Acre	ion	Acreage	per Acre	ion
	ac.	bu.	000 bu.	ac.	lbs.	000 lbs.
Manitoba .....	575,000	1/ 8.0 1/	4,600 1/	12,000	1/ 750	9,000 1/
Saskatchewan .....	975,000	1/ 6.5 1/	6,300 1/	165,000	1/ 848	140,000 1/
Alberta .....	580,000	11.4	6,600	36,500	1/ 800 1/	29,000 1/
Prairie Provinces ....	2,130,000	1/ 8.2 1/	17,500 1/	213,500	1/ 834 1/	178,000 1/

1/ Revised.

TELEGRAPHIC SUMMARY

Maritime Provinces Crops are growing well throughout the Maritime Provinces although conditions are becoming dry in Prince Edward Island and Nova Scotia. Recent, well distributed rainfall has improved the situation in New Brunswick. Haying is general in all the earlier districts and will soon be in full swing in the other sections. Yields are variable but generally not far from average. Pasture conditions are also variable. Early-sown grain is heading in the earliest districts of Nova Scotia. Some early potatoes have been dug and reports are favourable. Strawberry crops are better than those of last year.

Quebec Weather conditions during the past two weeks have favoured plant growth throughout most of the Province of Quebec. Nevertheless haymaking has been retarded by frequent showers. Yields are good in new meadows but average in old meadows. In certain districts cereals and other crops are showing some adverse effects of dry weather. Near Montreal better than average yields of grains are anticipated. In general, growth in meadows and pastures is sufficient for satisfactory milk production. Horticultural crops are in good condition. Growers are harvesting beans and will commence tomato picking this week in the Montreal district. Apples and strawberries seem very promising. Strawberry picking is finished in the south of the province but is still in progress near Quebec City, with yields varying from fair to good. Reports from Joliette indicate that flue-cured tobacco yields will be above normal. There are also reports of insect and weed infestations. Higher temperatures would be welcomed.

Ontario Fall wheat and rye have made generally good growth in Ontario during the past month and yields are expected to vary from normal to slightly above normal. Cutting will become general between July 20 and the end of the month. Heavy rains during May and June have been favourable to the growth of hay crops and although clovers and legumes suffered heavy winterkilling in some counties prospects for total production are above average. June rains have delayed harvesting for barn storage but most cutting for silage has been completed. Pastures are generally in excellent condition with milk flow ranging from normal to above normal. With spring grain seeding spread over a much longer period than usual, development of these crops shows much greater variation than usual. Early-seeded fields promise above average yields but late-seeded fields will be dependent upon weather conditions during the next six weeks. The condition of spring grains at

July 1 for the province as a whole is estimated at approximately 15 per cent below average. Rains also delayed seeding of dry beans and soybeans in parts of Essex, Kent, Lambton, Elgin and Middlesex Counties. Potatoes are developing well but harvesting will be several weeks later than normal. Corn is making good growth. Sugar beets are making fairly satisfactory growth but the acreage is reduced.

Prairie Provinces Good to excellent crop prospects in the Prairie Provinces have been well maintained during the past week. Crops are still behind last year in development and somewhat warmer weather is needed to promote more rapid growth. Early-seeded fields are beginning to head in southern districts of all provinces and a considerable proportion is in the shot blade. In central and northern districts, however, only a small percentage has reached this stage. Moisture conditions are generally good, and damage from all causes has not been excessive to date.

British Columbia Apart from the Peace River Block where moisture was somewhat excessive in June, recent weather conditions have favoured good development of crops in British Columbia. An above average crop of early potatoes is being harvested on Vancouver Island. The sweet cherry harvest is nearing completion in the Oliver-Osoyoos area and about to begin from Penticton north. The strawberry harvest is at a peak around Agassiz. In the Peace River area recent hot weather has brought all crops along rapidly although growth is still two weeks behind that of last year.

#### MARITIME PROVINCES

Prince Edward Island crops are growing well but soil conditions are becoming dry. The strawberry crop is above normal. Reports indicate that Colorado potato beetles are numerous and in some potato fields are causing serious damage to young plants. Large numbers of eggs are being laid and a few are beginning to hatch. Potato flea beetles are general, but only a normal amount of damage is reported.

In the Amherst district of Nova Scotia haymaking is underway, with a crop slightly below average. Pastures are excellent but more moisture is required. Other crops are very good. For the last two weeks weather has been dry in the Truro district except for some local thunder showers. Farmers are putting up hay throughout the area. This crop matured early due to dry weather and yields vary from average to light. The main potato crop is in bloom and it is anticipated that growers will start digging early potatoes in a week's time. Growth is good and the set fair. Pastures are short with more rain needed for further growth. Reports from Kentville in the Annapolis Valley indicate that all crops are developing satisfactorily, but moisture supplies are getting low particularly on some soils. Hay yields are slightly above average with 15 per cent of the crop cut. Grain, potatoes and corn are slightly better than average and the early grain is heading.

In New Brunswick recent well distributed rainfall improved crop prospects. Haying has commenced with yields improved over those anticipated two weeks earlier. Conditions are particularly favourable in the southern part of the province with a somewhat lighter crop in prospect in the northern districts. The grain crop looks better than normal. About a normal amount of grass silage has been stored, with this operation now almost completed. Potatoes are doing well and the early crop has been dug. Peas are progressing favourably. Reports from Fredericton indicate that ideal growing weather prevailed during the last two weeks of June in this area. Conditions favoured haymaking which is now just becoming general. Grains are making excellent growth, pastures are good and potatoes are growing well although stands and stage of development are very variable. An excellent crop of strawberries has passed the peak



of harvest. At Perth haymaking is just beginning. The crop will be light, although somewhat improved from earlier estimates due to fair weather and showers. Early potatoes are in blossom and progressing well. Pastures are short with production easing off. Strawberry yields are better than last year.

#### QUEBEC

In the L'Assomption district precipitation has been normal and as a result pastures are good. Haying has started. Flue-cured tobacco is good and strawberry yields are normal. Raspberries appear very promising and canning crops are very good. At St. Johns, over 5 inches of rain fell in June. More than 20 per cent of the hay crop has been harvested with good yields and quality reported. Apple scab and insects are generally well controlled, although untreated onions are badly injured by onion magot. All crops are developing well. At Lennoxville the weather has turned cool and showers have delayed haying. Hay yields are good, however, and pastures and cereals are promising. Corn is fair. At Ste. Anne de la Pocatière dry weather from June 25 to July 5 had some slightly adverse effect on pastures and hoed crops. Grains, however, appear good. Farmers have commenced haymaking with high yields and a good crop reported. Rain is needed, however. At Normandin in the Lake St. John area moisture reserves are about normal and hay and pastures are good. Grain crops are also developing well, but growth is slow. Garden crops and potatoes appear promising and strawberry picking is one week earlier than usual with high yields reported. The outlook is for a good blueberry crop.

At Caplan June rainfall was about normal and warm weather for the past two weeks has greatly improved the hay crop over earlier prospects. However, it is anticipated that yields will be 30 per cent less than in 1959 due to extensive winterkilling of legumes. At the Experimental Farm grass silage making was started on July 4 with much below normal yields being obtained. As a result of frequent rains pastures are fairly good but most of the growth is made up of grasses. Green aphids are abundant in some barley crops. Growers started picking strawberries almost ten days earlier than normal and early sown potatoes are in blossom.

#### ONTARIO

Fall wheat in Simcoe County is beginning to turn and should be ripe by the end of July. Normal yields are anticipated on about 75 per cent of the acreage. Spring grains are extremely variable and growth is weak and patchy on poorly drained fields not sown until the second week of June. Rainfall has been adequate for light soils but excessive for heavy and low-lying land. Spring grains will probably yield about one-third less than usual. There has been an increase in the acreage seeded to buckwheat. Silage corn sown in mid-June or later is now progressing fairly well, but warmer weather is required. The hay crop shows an excellent stand and yields will be about 5 per cent above normal. About half the crop has been cut, but curing was slow due to recurring rains and some spoilage may result. Pasture growth has been excessive partly due to delayed grazing of wet fields. The strawberry crop is good and raspberries appear promising. Tobacco is doing well. Haying is in full swing in Wellington County. However, the weather has been poor, with most cut hay having received at least one rain. New seedings appear to be short on heavy soils due to excessive moisture. Fortunately, the hay crop is not maturing too rapidly. Spring grains, corn and pasture are making good progress, with this year's seedings of hay and pasture mixtures developing better than normal. Winter wheat is headed and should produce a normal yield. Wet weather has delayed haying operations in Waterloo County. Heavy rains have caused spoilage of a considerable quantity of baled hay in the fields.



The weather has been mostly fair and cool in Middlesex County, with scattered showers. Spring crops are the most uneven in years. Early-seeded oats and barley are heading while later seedings are only a few inches high. Corn and beans show a fairly even stand but are growing slowly. Some planting of corn and beans continued on into July. Haying operations are progressing well and the crop is above average. Tobacco shows an even stand but requires warmer weather. The fruit set appears to be somewhat less than normal. In Essex County winter wheat is ripening rapidly and oats are filling well. Crops prospects look generally brighter, with growth stimulated by warmer weather and optimum moisture. Excessive rainfall in some districts damaged corn, soybeans and late tomatoes. Some fields of corn and soybeans were replanted. Harvesting of canning peas is continuing and the crop is fair. The early potato harvest is well underway and the crop is good. Haying is nearly completed and pastures are in good condition. Fall wheat on Pelee Island is beginning to turn and is heading well. Soybeans are suffering seriously from continued wet weather. Thirty per cent of the acreage had to be reseeded and many fields are still showing very poorly.

During the past two weeks it has been necessary for many farmers in Kent County to replant crops destroyed by excessive moisture and hail, particularly white beans, corn and soybeans. Winter wheat appears to be in good condition and is beginning to ripen. Winter barley is being combined and oats are developing well. Haying is proceeding slowly, with good yields reported. The pea harvest is in full swing and the tomato crop appears promising. The condition of the onion crop is somewhat less than normal. The Dominion Entomological Laboratory at Chatham reports that there are no serious insect infestations at present. In spite of unfavourable weather a good crop of fair quality hay has been harvested in Norfolk County. Pastures are abundant, but milk flow is only normal due to loss of nutrients. Fall wheat is turning and indicates a good yield although some rust is reported. Corn, tomatoes and tobacco are making slow growth due to the cool nights. Potatoes never looked better. Peach crop prospects in Lincoln County are about 60 per cent of normal. Grape prospects are excellent. The strawberry harvest is almost over and sweet cherries are just commencing. A cool, wet spring resulted in severe damage to sour cherries from leaf spot and cherry yellows. Cool weather is delaying insect development.

In York County haying is about half completed. Yields are approximately 25 per cent above normal except on poorly drained land. Spring crops are doing well but are about three weeks late. Lodging of winter wheat is worse than usual. Pasture growth is excellent. In Peterboro County about 50 per cent of the haying operations are completed. Growth of aftermath pasture and corn is very good. Fall wheat is beginning to ripen. In Leeds County about 25 per cent of a heavy hay crop has been harvested. Cutting of grass silage is completed with more than usual being harvested. Pastures are above normal and growth of oats and corn has been rapid. Fall wheat is headed and beginning to turn. Moisture conditions are satisfactory. Heavy showers have delayed harvesting of an excellent hay crop in Renfrew County. However, the rain has been very beneficial to spring-sown grains, corn and pastures. Approximately 50 per cent of the hay crop has been cut and about 30 per cent stored. Early-seeded oats and barley are heading and fall wheat is beginning to turn. A report from Kapuskasing indicates that lack of rain during June resulted in a short growth of hay and slow pasture recovery. Early varieties of oats and barley commenced heading about June 30.

#### MANITOBA

Cool temperatures accompanied by light precipitation in Manitoba during the past week favoured continued healthy growth of crops. Sunny, warmer weather, however, would be beneficial. Dry conditions prevail in the Interlake and west shore region,

while elsewhere moisture is sufficient for ten days. Fall rye has headed and early-sown cereals are also heading. Late-seeded crops are progressing well. Seedling blight and root rot damage to flax is reported from a number of districts. Insect damage has been scattered and some spraying for control of grasshoppers has been done. Spraying for weed control has been practically completed and cutting of an excellent hay crop is in progress. Pastures need rain.

All crops are promising in the Vita area in the southeast part of the province. Moisture conditions are excellent. Summerfallowing, spraying for weeds and haying operations are being carried out. Farther west at Altona, haying is in full swing, with about a third completed. Early wheat and barley are headed. Beet thinning and weeding is 80 per cent completed. All crops are doing well including late-sown flax. Peas are in bloom. Moisture is still adequate in the district but rains will soon be needed. About 0.4 inches of rain were received at Morden last week but the western part of the district still requires moisture. More warm weather is needed to bring crops along, especially canning crops. Cereals are coming into head and haying is now in progress. Weed spraying is continuing on late-seeded fields. There are no special insect problems.

In the southwest part of the province at Melita, one-half to two inches of rain were received in a scattered fashion over the district. Crops are looking very well and the hay crop is good. Haying operations are general throughout the district. Pastures have improved with recent rains.

East of Winnipeg at Beauséjour, crops are also looking well with some of the early fields of wheat coming into head. Haying operations are in full swing and yields vary from fair to good. There have been some reports of aphid infestations in barley fields. Moisture is sufficient at present but rain would help late-seeded grains. Some wheat and barley are heading and about a third is in the shot blade in the Portage la Prairie area. Moisture should last about ten days barring high temperatures. Harvesting of a near average hay crop is underway. Potatoes, peas, sugar beets and flax crops are in good condition, but they would all benefit from rain. Some summerfallow land has not yet been worked.

The Experimental Farm at Brandon reports that early-sown fields of grains are heading. The weather has been warm and relatively dry. Haying is general and a good tonnage is being obtained. Crop prospects throughout the district continue good.

In the Interlake area at Teulon, our correspondent states that frost last week damaged cereal crops, flax and rapeseed on peat soils, but no damage is evident to crops on clay soils. Weed spraying is still continuing on late-seeded land. The hay crop is fairly good and summerfallow work is progressing. At Arborg low-lying fields were also hit severely by frost, especially on peat land. Considerable aphid and leaf hopper damage is occurring to field crops. Moisture is lacking in some parts of the district, but most hay crops are good with very few reports of sparse stands.

In west-central Manitoba at Shoal Lake crops are progressing favourably with many now in the shot blade stage. Most farmers have now begun haying and the stands of tame hay this year are very good. Moisture conditions are favourable in the district.

In northern Manitoba at Dauphin crops are also good but most of the district needs a good rain. Haying is in full swing with excellent quality and average yield. Summerfallow land is in good condition. There have been a few reports of insect damage to cereal grains.



The Entomological Laboratory at Winnipeg reports that marginal damage by grasshoppers is occurring in newly emerged crops, particularly flax. Control operations are in progress. The Canadian Hail Underwriters Association reports light damage from a hail storm on June 27 in the Brandon, Wawanesa and Carberry areas.

Average precipitation for the province since April 1 has been 9 per cent below normal compared with 5 per cent below normal a week ago, 6 per cent below normal two weeks ago and in contrast to 5 per cent above normal a year ago. Mean temperature for the week ending July 4, 1960, was 6.4 degrees below normal compared with 0.5 degrees above normal a week ago, 1.7 degrees below normal two weeks ago and 1.1 degrees below normal for the week ending July 6, 1959.

### SASKATCHEWAN

While crops in Saskatchewan are somewhat late the general appearance and prospects are good to excellent. Wheat averages 12 inches and coarse grains 10 inches in height compared with 10 and 8 inches, respectively, a year ago. About 60 per cent of the wheat is in shot blade in southern and some central districts and ranges from 5 to 40 per cent elsewhere. Cutworms are still active at scattered points but grasshopper damage has been slight. Where necessary, spraying for insect control is continuing. Light to heavy hail losses are reported from scattered points. Moisture conditions are generally good except for the region along the Alberta border from Macklin south to the United States border. Hay prospects are good and operations are now underway but progress is being hampered by the damp conditions.

At Yellow Grass in the southeast part of the province crop prospects are excellent but some very light flood damage is reported. Early-seeded wheat is heading but flax and coarse grains now need hot, dry weather to bring the crop along and to allow farmers to complete second summerfallow operations. Nearly all crops have been sprayed. The Experimental Farm at Indian Head reports that good growing weather and ample moisture has promoted excellent growth in all crops during the past week. Weed spraying has been completed and farmers are making another tillage operation on summerfallow fields. Haying operations on a heavy crop are in full swing. Early-sown wheat is in the late shot blade stage and will be heading out in the next week. Livestock continue to make good gains on lush pasture. There have been no reports of insect damage to crops.

In the southwest part of the province at Swift Current heavy showers this week have improved moisture conditions considerably but some damage is reported from hail storms. Crops in general are making good growth although wet weather has delayed the completion of weed spraying and as a result some fields are very weedy. Pastures have improved greatly and livestock are in good condition.

At Val Marie light showers have been received and the weather remains cool. However, heavier rains are required to assure a reasonable yield. Some 85 per cent of all crops are headed on straw ranging from 8 to 12 inches in height. There is no moisture reserve in this district. At Leader, however, recent heavy showers have greatly improved moisture conditions and growth is now rapid. Early fields are beginning to head.

In the Togo district of east-central Saskatchewan warm, sunny weather has promoted rapid crop development and early fields of wheat and barley are now heading. Crop prospects are generally good, but rains will be required soon to sustain the heavy growth. Cutting of hay and clover is now general. The warm, sunny weather has also improved crop conditions around Willowbrook. The stand is heavy and early-sown fields



are in shot blade. Weed spraying is about completed. Haying is general this week with good stands of tame hay reported. Although slough hay is plentiful, excessive water will make harvesting difficult. Farther north at Sturgis moisture conditions are also good and the wheat is in shot blade. Prospects are for a better than average crop.

In the Saskatoon district in the central part of the province crops are growing well and wheat averages from 18 inches to 24 inches in height and starting to head. Farther west at Scott all but the late-sown fields are in shot blade. Moisture conditions are generally very good although reserves are somewhat low. Hay fields are ready for cutting and yields will be above normal. Farther north at Meota some five and three-quarter inches of rain have been received from April 1 to date. As a result overall crop conditions are excellent.

The Experimental Farm at Melfort in the northeast section of the province reports that the warm weather of the past week has stimulated growth of all crops. Although surface moisture is being depleted by heavy crop stands, subsoil reserves are adequate for some time. Polish rapeseed has reached the flowering stage. Haying and spraying are in progress. A<sup>1</sup> Nipawin crops are now growing very quickly although they are still about two weeks late. Moisture supplies are adequate and this, coupled with warm weather, has created ideal growing conditions. Rainfall since April 1 this year has totalled 5.74 inches, the same as a year ago. The hay crop is very good.

The Entomological Laboratory at Saskatoon reports that some spraying for grasshoppers is continuing in western Saskatchewan, but no serious damage from this insect has been reported. Pale western cutworms are pupating. Beet webworm moths are numerous in many districts but there have been no reports of larvae.

The Canadian Hail Underwriters Association reports the following hail storms: June 27 - Meadow Lake, Duval, Amsterdam, Redvers area (light); July 1 - Success area (heavy), Neidpath to Gravelbourg to Assiniboia (medium to heavy), Bengough area (heavy); July 2 - Weyburn area (medium to heavy). The Saskatchewan Municipal Hail Insurance Association reports the following storms: June 25 - Radville, Ceylon, Mossbank, Arbuthnot, Shaunavon, Webb, Swift Current; June 27 - Strasbourg, Craik, Davidson, Duval; July 1 - Hazlet, Stewart Valley, Webb, Swift Current, Neidpath, Hodgeville, Gravelbourg, Mazenod, Assiniboia, Readlyn, Verwood, Willow Bunch, Viceroy, Bengough, Lake Alma; July 2 - Willow Bunch, Griffin, Bayard. Almost one thousand claims for storms have been received to the end of June and it is expected that the July 1 storm will bring in another six hundred claims.

Average precipitation for the province since April 1 has been 8 per cent above normal compared with 9 per cent above normal a week ago in contrast to 14 per cent below normal two weeks ago and 5 per cent below normal a year ago. Mean temperature for the week ending July 4 was 5.2 degrees below normal compared with 2.0 degrees below normal a week ago, 2.4 degrees below normal two weeks ago and 0.8 degrees below normal for the week ending July 6, 1959.

#### ALBERTA

Warm weather in Alberta is now resulting in rapid crop advancement and early-sown wheat and barley are heading in the south. Badly needed rains have been received in central Alberta over the weekend, but more rain would be welcome south of Calgary and in the Hanna district. Haying is becoming general in the south with yields only fair. Summerfallows are in good condition in the south and weedy on account of wet weather in the northern and Peace River areas. Pastures need rain in southern Alberta, but livestock are in good condition in all areas.

At Manyberries, barley is heading and later crops are beginning to stool. Soil moisture is in good supply. Both range and livestock are in good condition. Some scattered showers were received at Lethbridge during the past week but a general rain is needed. In the irrigation areas, heavy demands are being made for water. Some hail damage is reported for both dry land and irrigated crops. Potatoes are making good progress and an average hay crop is being harvested. At Cardston, fall crops are good but spring crops are only fair. Light showers during the past week have helped but a good general rain is needed. There has been no damage from either hail or insects.

Although recent good showers have improved crop conditions at Brooks, a general rain is needed. Many dry-land crops are short and thin with very little stooing taking place. Some are beginning to head on straw from 10 to 12 inches in height. Irrigated crops vary from fair to good. Flax is in bloom and the first cutting of alfalfa is being harvested. No hail damage is reported. Hot, dry weather is advancing crops rapidly in the Vulcan area. About one-half of the wheat crop is in the shot blade stage and present prospects suggest a late harvest. Fall rye is well advanced but in need of moisture. Spraying has been completed and summerfallow has been worked for the second time.

Two inches of rain in the Hanna district have improved crop prospects but it will be another week before the extent of the improvement can be determined. Good heavy rains have been received at Olds during the past week and the weather is warming up with the result crops should progress well during the next ten days. Some barley is in the shot blade. No crop damage of any kind has been reported. In the Sedgewick area crops are coming along very well, wheat is beginning to head but a few late-sown oat fields are spotty. Heavy rains have occurred in some areas while in others there has been very little. A general rain would be welcome. Hay crops and pastures are good. Crops look good at Donalda and the recent hot weather is bringing them along rapidly. The earlier sown wheat is in shot blade. Some hail damage occurred in the north and northeast districts and has set back the crop to some extent. Hay and pastures are improving.

Plentiful moisture and continuing warm weather at Red Deer are promoting rapid growth and improving crop prospects. Some haying has been started but the crop is fairly short at present. Early-sown crops are entering the shot blade stage. An additional 1.53 inches of rain in the area around Lacombe during the past week has improved hay and pasture conditions. Haying operations have started in some locations. Early-sown barley is starting to head.

Showers, amounting to about one inch in the Edmonton area have maintained moisture supplies at an excellent level. This, together with warm weather, is advancing the crops very rapidly. Rainy weather in the district of Bonnyville during the past week has damaged crops in low-lying areas and seriously impeded weed spraying and summerfallow operations. Grain is entering the shot blade stage and some fields are starting to head. Haying operations are just getting underway and a good crop is in prospect. Hot, dry weather is needed.

At Beaverlodge, it is estimated that a 5 per cent reduction has taken place in both wheat and oats acreages. Barley is down by 10 per cent but no change has occurred in flaxseed. A considerable acreage increase is indicated for rapeseed. Summerfallow acreage is up about 10 per cent because of wet weather and the inability to complete seeding.



Crops are growing rapidly at Berwyn but warm weather is needed. Moisture supplies vary from excellent to excessive in some areas. Wheat is late and is from 10 to 12 inches in height. Barley and oats are from 8 to 10 inches high and flaxseed and rapeseed from 2 to 4 inches in height. Fall rye is excellent and all headed out. Some slight damage has been caused by cutworms and flea beetles. Grass seed is growing rapidly.

Hail storms on July 1 were reported for townships 11 and 12 from Claresholm to Medicine Hat. Damage was spotty, but most extensive from Bow Island to Medicine Hat. On July 3 storms were reported from Fort McLeod to south of Magrath and from Chin through Coaldale to south of Foremost at Dog Pound. Hail also occurred from Okotoks through Brant to Vulcan, and at Queenstown and Milo. Mustard, rye and early-sown crops suffered severely.

Average precipitation for the province since April 1 has been 2 per cent above normal compared with one per cent above normal a week ago, 8 per cent below normal two weeks ago, and 0.4 per cent below normal a year ago. The mean temperature for the week ending July 4, 1960 was 2.5 degrees below normal compared with 0.7 degrees below normal a week ago, 2.4 degrees below normal two weeks ago and 2.1 degrees below normal for the week ending July 6, 1959.

#### BRITISH COLUMBIA

Harvesting of sweet cherries is almost completed in the Oliver and Osoyoos areas of the Okanagan Valley. In northern areas and around Penticton the sweet cherry harvest is just commencing. Harvesting of apricots will start the end of this week, with a considerable volume expected by July 14 to 18. Picking of early apples will begin the middle of next week. Cabbages are in heavy supply, while cucumbers and early potatoes are just coming to market. The weather has been warm and dry, and ideal for the development of the fruit crop. A report from Dawson Creek in the Peace River area indicates that extremely wet weather during June caused slow growth and damage to barley in many fields. Small seed crops have headed and cereal and legume seed crops are just beginning to head. Growth has become very rapid due to the present hot weather. However, crop development is still two weeks later than last year.

In the lower Fraser Valley precipitation during June was 1.6 inches less than normal and the temperature 1.3 degrees below the long-term average. July commenced with warm sunny weather. The strawberry harvest is at its peak and the raspberry crop is just commencing. The canning corn crop improved recently, while canning beans and peas are in fair condition. Harvesting of second growth hay is underway and conditions are favourable. Both pastures and grain crops are in good condition. On Vancouver Island the weather has recently turned bright and warm. Harvesting of a good crop of hay and grass silage is nearly completed. Irrigation is general on pasture and silage crops. Early potatoes are being harvested with yields above average. Main crop potatoes are growing rapidly. The strawberry harvest is nearing completion, with the total yield tending to be somewhat light.

Precipitation and Temperature Data, Prairie Provinces 1/

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending 8 a.m. July 4, 1960	Total since April 1	Normal since April 1	Week ending 8 a.m. July 4 1960	Normal
		- inches -			- degrees F. -	
MANITOBA						
1	Pierson	1.47	6.61	6.73	61	65
	Waskada	.93	5.12	6.94	60	65
2	Boissevain	.14	6.81	6.80	61	65
	Deerwood	N.R.	6.09 <sup>2/</sup>	6.71	N.R.	65
	Ninette	.54	6.15	7.35	59	65
	Pilot Mound	.48	6.45	6.81	58	65
3	Portage la Prairie	.17	5.45	6.78	60	67
	Graysville	.30	6.84 <sup>2/</sup>	6.50	60	66
	Morden	.35	5.82	6.96	61	67
	Altona	.34	5.40	6.40	60	67
	Morris	.09	5.70	6.05	60	67
	Roland	.36	6.01	6.50	59	67
	Gretna	.50	5.66	6.41	60	68
	Emerson	.35	6.61	6.41	60	67
	Stonewall	.11	5.91	6.38	58	66
4	Winnipeg	.14	5.48	6.18	59	66
6	Sprague	.78	7.12	7.03	59	64
	Seven Sisters Falls	nil	5.49	5.77	59	65
	Steinbach	N.R.	5.62 <sup>2/</sup>	6.66	N.R.	67
7	Virden	.31	5.79	6.39	61	66
	Reston	N.R.	4.21 <sup>2/</sup>	6.70	N.R.	66
	Rivers	.17	7.08	7.28	61	65
8	Brandon	.23	7.50	7.11	61	65
	Cypress River	.46	5.47	6.58	60	66
9	Neepawa	.09	5.33	6.52	60	65
	Grass River	Trace	3.13	6.73	57	65
10	Russell	.17	5.91	5.97	58	63
	Rosburn	.13	7.12	5.99	58	63
	Birtle	.23	5.97 <sup>2/</sup>	6.18	57	63
11	Dauphin	.01	5.04	6.23	56	67
12	Gimli	.03	6.72	6.57	58	66
13	Swan River	.11	4.98	5.48	56	63
	The Pas	.21	5.31	4.84	56	64
MANITOBA AVERAGE		.31	5.90	6.43	59.1	65.5

**SASKATCHEWAN**

1A	Estevan	1.02	6.78	6.67	62	66
	Carlyle	.20	6.56	6.24	59	64
	Oxbow	.58	5.39 <sup>2/</sup>	6.69	58	65
	Willmar	1.30	7.02	6.25	N.R.	N.R.
1B	Broadview	.07	5.53	6.72	58	62
	Moosomin	.08	6.76	6.30	61	65
2A	Yellow Grass	.99	6.60	5.94	60	65
	Creelman	.52	7.79	5.96	61	64
	Weyburn	1.07	6.27	5.99	60	65



Precipitation and Temperature Data, Prairie Provinces 1/

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending	Total	Normal	Week ending 8 a.m.	
		8 a.m.	since	Since	July 4	
		July 4, 1960	April 1	April 1	1960	Normal
		- inches -			- degrees F. -	
<u>SASKATCHEWAN</u> (continued)						
2A	Midale	1.10	5.43	5.35	61	65
2B	Moose Jaw	.64	6.52	5.72	61	66
	Regina	1.09	9.43	5.89	61	65
	Francis	N.R.	5.25 <sup>2/</sup>	5.40	N.R.	64
	Qu'Appelle	.06	7.16	6.55	60	64
	Indian Head	.33	5.44	5.98	60	64
	Wilcox	1.15	9.12	5.98	61	65
3AS	Assiniboia	.41	6.88	6.00	61	65
	Ormiston	N.R.	6.52 <sup>2/</sup>	6.07	N.R.	65
	Readlyn	.99	5.97	6.07	66	65
	Minton	2.16	7.79	6.57	59	65
	Cardross	1.01	10.68	6.15	61	65
	Ceylon	.42	5.10	6.67	59	65
3AN	Chaplin	1.12	5.91	5.21	61	65
	Gravelbourg	1.13	8.70	5.55	62	66
	Coderre	.32	6.80	5.63	61	65
3BS	Shaunavon	1.45	5.85	5.48	61	65
	Cadillac	N.R.	2.38 <sup>2/</sup>	5.94	N.R.	66
	Pambrun	.43	7.33	5.78	61	65
	Aneroid	.49	3.96	5.60	61	65
	Instow	1.05	4.69	5.54	61	65
3BN	Pennant	.70	5.88	5.45	61	66
	Swift Current	1.18	6.75	5.71	60	65
	Hodgeville	2.42	7.54	5.67	60	65
	Hughton	1.15	4.73	4.69	60	66
4A	Maple Creek	.12	3.93	5.31	64	64
	Consul	.11	3.27	4.79	62	63
4B	Abbey	1.04	4.85	4.68	61	65
5A	Cupar	.29	8.36	5.42	60	64
	Leross	N.R.	3.41 <sup>2/</sup>	5.32	N.R.	60
	Lorlie	.02	7.36	5.82	55	60
	Melville	.04	4.41	5.67	59	63
	Yorkton	.02	4.29	5.63	57	64
	Bangor	.09	3.85	5.87	58	64
5B	Dafoe	.13	6.30	5.51	56	64
	Foam Lake	.10	6.66	6.19	58	63
	Lintlaw	.23	8.77	6.01	53	60
	Kamsack	.15	3.99	5.36	56	63
	Arran	.04	3.83	5.41	54	62
6A	Dilke	N.R.	5.70 <sup>2/</sup>	4.99	N.R.	N.R.
	Imperial	.18	4.73	5.41	59	64
	Semans	.22	6.32	4.79	57	64
	Strasbourg	.45	7.33	5.59	59	63
	Watrous	.10	6.16	5.11	57	63

Precipitation and Temperature Data, Prairie Provinces 1/

Province and Crop District	Station	Precipitation			Mean Temperature	
		Week ending 8 a.m. July 4, 1960	Total since April 1	Normal since April 1	Week ending 8 a.m. July 4 1960	Normal
			- inches -		- degrees F. -	
<u>SASKATCHEWAN</u> (concluded)						
6B	Harris	N.R.	4.24 <sup>2/</sup>	4.95	N.R.	64
	Outlook	.69	4.40	4.72	59	66
	Saskatoon	.25	5.65	5.25	60	65
	Elbow	.74	6.52	5.01	59	65
	Tugaske	.32	5.51	5.47	60	64
	Dundurn	.32	5.40	5.12	59	65
	Rosthern	.24	6.49	5.24	57	64
7A	Alsask	1.38	3.27	4.43	60	64
	Kindersley	1.51	4.56	4.38	59	64
	Rosetown	1.80	6.34	5.33	58	64
7B	Macklin	.62	3.17	4.96	60	63
	Scott	.74	3.62	5.01	57	62
	Biggar	1.33	5.60	5.11	60	65
8A	Hudson Bay	.18	5.94	5.70	53	62
	Porcupine Plain	.09	6.27	5.88	53	62
	Prairie River	.24	6.06	5.68	52	62
3B	Humboldt	.18	5.19	5.27	55	63
	Melfort	.23	5.28	5.31	54	64
9A	North Battleford	1.17	5.36	4.81	58	65
	Victoire	.25	7.27	4.79	56	61
	Prince Albert	.38	6.54	5.63	56	63
	Island Falls	.28	5.90	5.01	51	60
9B	Waseca	.61	4.86 <sup>2/</sup>	5.12	57	61
	St. Walburg	.91	7.06	5.06	55	61
SASKATCHEWAN AVERAGE		.63	6.04	5.57	58.7	63.9
<u>ALBERTA</u>						
1	Empress	.93	3.01	3.61	62	66
	Foremost	.34	4.03	5.85	59	66
	Hanna	1.94	5.12	5.04	60	63
	Manyberries	.15	5.48	4.58	63	66
	Medicine Hat	.53	3.68	4.96	65	68
	Naco	2.02	5.32	4.48	56	63
	Winnifred	.08	2.96	5.00	N.R.	N.R.
2	Brooks	.93	4.03	4.67	63	66
	Drumheller	.98	4.72	4.79	58	65
	Gleichen	.49	3.68	5.48	58	62
	Hays	.07	2.62	4.79	63	67
	Hussar	.89	4.57	5.35	N.R.	N.R.
	Raymond	.57	6.35	6.42	63	64
	Lethbridge	.21	5.51	6.56	61	63
	Strathmore	.65	4.04	6.14	58	61
	Taber	.64	4.93	5.50	63	61
	Three Hills	.56	4.55	5.74	58	61





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Precipitation and Temperature Data, Prairie Provinces 1/

Province and Crop District	Station	Precipitation			Mean Temperature		
		Week ending 8 a.m. July 4, 1960	Total since April 1	Normal since April 1	Week ending 8 a.m. July 4 1960	Normal	
		- inches -			- degrees F. -		
<b>ALBERTA (concluded)</b>							
2	Trochu	.28	3.87	6.26	56	62	
	Vulcan	.04	4.90	5.91	60	63	
3	Calgary	1.42	7.33	6.95	58	60	
	Cardston	.63	4.86	7.23	60	63	
	Cowley	.16	3.23	7.36	59	59	
	Fort MacLeod	.85	4.90	7.07	64	65	
	High River	.94	5.80	8.03	57	59	
	Jasper	.24	7.89	3.68	58	59	
	Magrath	.90	6.71	7.03	63	63	
	Olds	.47	6.58	6.77	55	59	
	Alliance	N.R.	3.64 <sup>2/</sup>	5.74	N.R.	61	
4	Camrose	1.06	4.93 <sup>2/</sup>	5.28	57	61	
	Coronation	1.59	4.11	4.69	58	62	
	Hardisty	N.R.	1.93 <sup>2/</sup>	4.78	N.R.	N.R.	
	Hughenden	N.R.	2.59 <sup>2/</sup>	5.00	N.R.	62	
	Lloydminster	.39	5.54	4.86	57	62	
	Stettler	1.01	4.13	6.17	57	61	
	Vegreville	.16	4.27	5.12	58	62	
	Vermilion	.57	5.65	5.11	57	60	
	Edmonton	1.35	6.43	6.20	59	62	
	Lacombe	1.70	5.90	6.76	61	61	
5	Red Deer	.42	6.99	6.41	57	58	
	Rocky Mountain House	1.15	7.47	8.15	55	59	
	Wetaskiwin	.73	7.84	6.18	58	61	
	Athabasca	1.05	9.56	5.30	56	59	
6	Campsie	.62	5.88 <sup>2/</sup>	6.14	58	60	
	Edson	2.69	9.73	6.59	57	58	
	Elk Point	1.37	8.41	5.35	54	59	
	Embarras	.23	5.20	3.65	56	61	
	Lac la Biche	.09	6.27	5.34	57	62	
	Whitecourt	.63	8.05	6.52	59	58	
	Beaverlodge	.08	10.90	4.66	58	59	
	Berwyn	.42	5.70	4.41	67	58	
	Fairview	.05	5.74	4.95	59	59	
7	Ft. Vermilion	.13	3.44	3.82	59	61	
	Grande Prairie	.10	9.09	4.62	61	59	
	High Prairie	.04	5.99	5.40	60	60	
	Rycroft	N.R.	8.83 <sup>2/</sup>	4.57	N.R.	60	
	Wagner	.06	8.15	4.71	57	59	
	ALBERTA AVERAGE		.68	5.70	5.57	59.0	61.5

N.R. - No report.

1/ - Source: Meteorological Service of Canada.

2/ - Incomplete; not included in average.