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### TELEGRAPHIC CROP REPORT

Ottawa, July 21, 1936, 4 p.m. - The Dominion Bureau of Statistics issues today the ninth of a series of 15 weekly telegraphic reports covering crop conditions in the three Prairie Provinces. Fifty correspondents distributed over the agricultural area supply the information on which the reports are based. Most of these correspondents are agriculturists of the Dominion and Provincial Departments of Agriculture, but in Manitoba and Alberta, a number of selected private observers and grain men also co-operate in this service. The Meteorological Service of Canada, Toronto, supplies official weather data.

### SUMMARY

Drought and high temperatures persisted over the western grain belt during the past week and scattered showers gave local but generally slight relief. Crop damage was intensified and extended. Northern areas of Manitoba, some eastern and central parts of Saskatchewan, and northern districts of Alberta retain fair prospects but a huge grain area has been irreparably damaged and is still deteriorating. Hail losses were extensive in Saskatchewan and Alberta while grasshoppers are migrating to the better crop areas. Stem rust infection extends as far west as Moose Jaw, Saskatchewan but dry weather will restrict losses. Only northern areas of Manitoba are in danger of significant rust damage at present. The urgent need of rain to arrest declining prospects is stressed in nearly all telegrams received this morning.

#### MANITOBA-

Scattered local showers afforded some relief to Manitoba drought areas, but declining prospects are still evident. Heavy rains are urgently needed. Coarse grains, corn and potatoes have suffered more than wheat. Harvesting has begun and will be fairly general within the next ten days. The southern part of the province will escape serious rust damage, but in the Teulon area of good crops, yields of late wheat will be reduced. The south-western districts are particularly hard-hit by drought and little more than the return of seed can be expected. Pastures are generally poor and failing but a good crop of sweet clover has been harvested. Generous rainfall helped the crops between Winnipeg and Portage la Prairie.

#### SASKATCHEWAN-

A further decline in crop prospects occurred during the past week although showers were beneficial in some districts. In most cases these were insufficient to reach the grain roots and subsequent hot weather further reduced their benefit. Hail caused considerably damage in widely scattered areas while grasshopper damage persists in the south-west. Sawflies and wheat stem maggots are also troublesome. Stem rust is prevalent throughout eastern Saskatchewan but the continued dry weather is checking serious damage. Some fairly promising crops remain in eastern and central areas but rain is needed everywhere. The extreme south-eastern area received a good rain during the week that will help the feed situation.

#### ALBERTA-

No significant relief to the persistent drought was evident during the week. Only the Peace River district and scattered western and north-eastern areas have escaped the drought. Drumheller received the best rain of the week, 1 1/2 inches being recorded at that point. Grasshoppers are migrating to better crop areas and have caused extensive losses in southern and east-central areas. Two widespread and disastrous hail storms fell in good crop areas north of Edmonton and south-east of Rocky Mountain House. Rain is needed throughout the province, urgently in most areas.



REPORTS OF DOMINION ENTOMOLOGICAL LABORATORIES

Dominion Entomological Laboratory, Brandon, Manitoba.

Considerable grasshopper damage in south-western Manitoba.

Dominion Entomological Laboratory, Saskatoon, Saskatchewan.

Some damage from wheat stem maggot causing white sterile heads in north-eastern and eastern districts.

Dominion Entomological Laboratory, Lethbridge, Alberta.

Grasshoppers migrating to better crop areas and have caused extensive losses to drought-stricken crops in Hanna-Youngstown area, with losses in south increasing.

HAIL DAMAGE

Saskatchewan-

Storms doing considerable hail damage were reported last week at Bengough, Hoosier, Loverna, Smiley, Dewar Lake, Flaxcombe, Reward, Denzil, Primate and Macklin.

Alberta-

Two disastrous storms in the past week, one on the seventeenth, the other on the 18th and each of them over one hundred miles long and twenty miles wide in places. One storm north of Edmonton, the other running from west of Rocky Mountain House in a south-easterly direction.

REPORT OF DOMINION LABORATORY OF PLANT PATHOLOGY, SASKATOON.

Stem rust of wheat slight to moderate infection in Saskatchewan as far west as Moose Jaw, north to Kamsack and Saskatoon, but for the most part, if dry weather continues, there will be little or no damage from rust. Have not received reports but doubt if rust is prevalent in the west or north areas of the province. Very little rust on other cereals and no noticeable injury from other crop diseases.

METEOROLOGICAL REPORT. PRAIRIE PROVINCES

The following precipitation (in inches) was reported by the Dominion Meteorological Service, Toronto, for the week ending Monday, July 20, at 7 a.m.:

<u>Manitoba</u>		<u>Saskatchewan</u>		<u>Alberta</u>	
Arden	-0.1	Indian Head	-0.1	Edmonton	-0.1
Arlson	-0.1	Aneroid	-0.1	Macleod	-0.1
Anette	0.1	Regina	-0.1	Viking	-0.1
Bissevain	0.1	Prince Albert	0.1	Fort McMurray	-0.1
Brague	0.1	Lloydminster	0.1	Vegreville	-0.1
Buphin	0.1	Moosomin	0.1	Cardson	-0.1
Berson	0.1	Saskatoon	0.1	Stettler	-0.1
Van River	0.1	Consul	0.2	Jasper	-0.1
Annadosa	0.3	Biggar	0.2	Beaverlodge	0.1
Arden	0.4	Strasbourg	0.2	Wetaskiwin	0.1
Arrie	0.5	Swift Current	0.3	Taber	0.1
Arava	0.5	Yorkton	0.3	Coronation	0.1
Arress River	0.6	Carlyle	0.3	Fairview	0.2
Artle	0.6	Davidson	0.3	Lethbridge	0.2
Arndon	0.7	Qu'Appelle	0.4	Red Deer	0.2
Araysville	0.8	Melfort	0.4	High Prairie	0.3
Arsell	1.0	Reithern	0.4	Olds	0.6
Aras	1.2	Empress	0.5	Sedgewick	0.7
Artage la Prairie	1.2	Assiniboia	0.5	Sion	0.7
Arnipeg	1.7	Humboldt	0.5	Keg River	0.7

(Minus signs denote less than the amount of rain indicated)



Saskatchewan (Concluded)

Yellow Grass	0.5
Kinuso	0.5
Rabbit Lake	0.5
Battleford	0.6
Moose Jaw	0.6
Macklin	0.6
Lintlaw	0.6
Elbow	0.7
Kindersley	0.8
Estevan	1.2
Broadview	1.4
Kamsack	2.2

Alberta (Concluded)

Hughenden	1.0
Midale	1.1
Fort Vermilion	1.4
Drumheller	1.5

Brooks, Foremost, Shaunavon, High River, Manyberries, Raymond and Val Marie recorded no rain during the week while traces were reported at Calgary, Medicine Hat, Outlook, Maple Creek and Meadow Lake.

Mean temperatures for the week were again above normal, the greatest excesses being in the south.

Excesses over normal mean temperature were as follows:

Manitoba: 8 degrees above normal - Districts 12, 13 and 14; 9 degrees above normal - District 11; 10 degrees above normal - District 9; 11 degrees above normal - Districts 1, 2, 8 and 10; 12 degrees above normal - Districts 3, 4, 5, 6 and 7.

Saskatchewan: 6 degrees above normal - District 8 and 9; 10 degrees above normal - District 6; 11 degrees above normal - Districts 2, 3 and 7; 12 degrees above normal - District 1; 13 degrees above normal - Districts 4 and 5.

Alberta: 1 degree above normal - District 16; 2 degrees above normal - Districts 13, 14 and 17; 3 degrees above normal - Districts 11, 12 and 15; 4 degrees above normal - District 9; 6 degrees above normal - Districts 6, 8 and 10; 7 degrees above normal - District 4; 9 degrees above normal - District 2; 10 degrees above normal - Districts 3 and 7; 12 degrees above normal - Districts 1 and 5.

Weather Forecast, Tuesday Morning

Warm weather prevailed yesterday in west. Rainfalls reported from chief stations are as follows (in inches): Edmonton 0.16, Prince Alberta 0.22, Regina .02, Minnedosa 0.10. Forecast mostly fair next two days with probability of scattered thundershowers.



REPORTS OF CORRESPONDENTS

MANITOBA

Provincial Department of Agriculture, Winnipeg.

Past week still hot with scattered local showers. In ten or more municipalities in southwestern part of province oats and barley almost failure and wheat badly damaged. Over balance of province wheat may yield up to ten year average with some really good fields considering drought and heat. Oats and barley in three quarters Manitoba light with many fields of late sown crop hardly worth cutting. Rust has done very little harm yet. Sweet clover has given a fair to good hay crop everywhere and weather has permitted curing it well. Corn likely to be fair to good. Potatoes at best standing still. Pastures extremely bare. General, generous rain to aid pastures, potatoes, corn and late crops is greatly needed. Barley cutting started in limited way in southern end Red River Valley but wheat cutting will not be widespread over province for ten days. Area between lakes has had most generous rainfall.

Agricultural Representative, Carman.

Recent local rains have improved the moisture situation but the excessive heat has caused damage. Wheat filling in spite of heat. Some coarse grain will be cut in a few days. Harvest will likely be general before August 1st. Feed plentiful. Number of animals died from sun stroke.

Dominion Experimental Station, Morden.

Crop ripening fast from heat. Many fields of wheat will be cut this week. Wheat crop will be light; coarse grains poor. 0.45 inches rain fell over weekend; will help pastures. Corn short. Potato crop backward.

Dominion Experimental Farm, Brandon.

Crop deteriorating following extreme heat. Local showers in several districts helping situation. Quite a number of fields not filling. Oats very short and thin. Early barley fair; late crop poor. Anticipate shortage coarse grains. Hay plentiful.

Telegraphic Correspondent, Kelwood.

Still no rain, badly needed. Not quite so hot past week. Summerfallow wheat on good land not too bad; everything else, including coarse grains, badly damaged.

Telegraphic Correspondent, Melita.

Excessive heat continues. Only one quarter inch rainfall last week. Barley and oat crops practically a failure. Not much more than seed will be obtained from wheat. Gardens poor. Potato crop will be a failure unless we get rain immediately.

Telegraphic Correspondent, Russell.

Rains last week, though local, were sufficient to prevent failure. Wheat heads short but filling nicely; promise of fair crop. Generally speaking, oats and barley will be short, patchy and much below average. Gardens look well.

Agricultural Representative, Teulon.

Rust prevalent and will undoubtedly cut yields on late wheat. Oats and barley still relatively free. Crops look good as yet but Hessian fly causing several white heads. Stock suffered greatly from heat and cream receipts are down. Hay crop good.

Agricultural Representative, Dauphin.

Light scattered showers helped grain this past week. With the weather definitely cooler, ripening is slowing. Harvest will not be general for some days and a fair yield of wheat is promised with coarse grain yields spotty. Rust is present but not likely to cause much harm. No further hail damage.



SASKATCHEWAN

Provincial Department of Agriculture, Regina.

Crops in general over Saskatchewan have shown further deterioration during the past week due to heat and drought. In western Saskatchewan crops have not improved and have suffered further setback particularly in southwest and west-central areas. Poorest crops are in the southwest but heavy rains are needed immediately over whole western portion to prevent further damage. Rains improved the feed situation in the extreme southeast although in many cases too late to benefit grain crops. The balance of the crop in eastern Saskatchewan is still fairly promising. In the central area crops vary from poor to good; some of the lighter lands having suffered severely from heat and drought. Good rains are badly needed over this area and would greatly change the crop situation.

Dominion Experimental Farm, Indian Head.

Scattered showers have greatly improved crops, especially in northern district. Rains have improved conditions in south with the possibility of seed and feed in some areas. Stem rust of wheat is prevalent throughout eastern Saskatchewan and west to Moose Jaw. No apparent damage to date; continued dry weather will probably hold in check. Hopper damage in some areas in south-western district.

Dominion Experimental Station, Swift Current.

Record high temperatures and hot winds continued destruction of crops during week. Pastures dried up, live stock in poor condition, shortage of roughage for winter. Oats very short and thin and not filling. Small scattered showers of little value. Sawfly infestation heavy, magnifying heat damage.

Supervisor of Illustration Stations, Swift Current.

Tugaske - nearly one inch rain July seventh and showers since have benefited crops. Most wheat on fallow good stand, 2 to 2 1/2 feet, in soft dough stage. Grain on stubble land fair stand. Pastures fairly good. Herbert - no effective rain this month and only 3.25 inches since spring. Weather very hot. All grain crops badly burned. Only few fields may be worth threshing. Most will be cut for fodder.

Dominion Experimental Station, Melfort.

Weather cloudy but warm during most of week. Light rain Friday night going down one inch. Early crops filling rapidly. Harvest likely to start first week in August.

Dominion Experimental Station, Rosthern.

Weather hot and dry. Crops suffered severely from drought during week. Rain amounting to 0.49 inches on seventeenth and eighteenth relieving situation temporarily. Some grasshopper damage being reported. Feed situation not promising. Pastures fair; suffering from drought. Haying general; yields low.

ALBERTA

Dominion Range Experiment Station, Manyberries.

A mean maximum of 91 with 103 maximum during the past week has further reduced prospects. 75 per cent of crops are burned to the ground. Grasshoppers are causing some damage. Rains now would grow thistles for feed, also help grass. Prospects for winter feed and pasture are the poorest they have ever been. A few crops are being cut for feed but many are not worth cutting. Leaf-eating insects have caused severe damage to garden crops, shrubs and trees.

Telegraphic Correspondent, Calgary.

Hot weather and winds still continue. Only light scattered showers received during past week. Hail damage reported few miles south but area small. Need moisture soon to make even half crop.



ALBERTA (Concluded)

Telegraphic Correspondent, Olds.

Hot weather continues but had a heavy rain and hail Saturday. A strip about 9 miles long and eight wide was completely hailed out; practically 100 per cent loss. Other grains that have not been touched by hail looking fine and rain will help a lot to late-sown grains. Wheat all headed out and coarse grains about 60 per cent headed.

Dominion Experimental Station, Lacombe.

With only 2.7 inches rain since May twenty, mainly in light showers, very high temperature and high wind, moisture almost exhausted. Wheat all headed. Coarse grains heading. Straw and heads very short. Early heavy rain will save situation but another dry hot week will be disastrous. Pastures very short.

Telegraphic Correspondent, Stettler.

Continued dry hot weather, with a few local showers in some districts. Crop in east end of district almost total loss. A good rain in west part of district in next few days would average about fifty per cent crop. No local hail. Pastures poor.

Telegraphic Correspondent, Vermilion.

Wheat crop is light and heads short but filling fairly well in milk and dough stage. Oats headed but very short. Barley showing very little growth and beginning to head. All crops need rain very badly. Hot weather and only two light showers during past week. Some hail damage north of Kitscoty today.

Telegraphic Correspondent, Edmonton.

Crop conditions during past week not good. Quite warm all week and very hot today. No rain to mention during this period and crops suffering today.

Dominion Experimental Sub-station, Beaverlodge.

Enough moisture so far. Crop situation generally good, though weeds abundant. Practically all wheat headed and some of the oats. Haying in full swing.

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