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no. 10

1942

Sept. 1

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C.R. No. 21
1942

by Authority of the Hon. James A. MacKinnon, M.P.,

Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS - CANADA

AGRICULTURAL BRANCH

\$2.00 per year.

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TELEGRAPHIC CROP REPORT

Ottawa, September 1, 1942, 3 p.m.- The last of a series of 15 weekly telegraphic reports covering crop conditions in the Prairie Provinces is issued today by the Dominion Bureau of Statistics. Fifth-eight correspondents, most of them agriculturists of the Dominion and Provincial Departments of Agriculture, but including selected private observers and grain men, supply the information on which these reports are based. The Meteorological Service of Canada, Toronto, supplies official weather data.

SUMMARY

Untimely rains which developed into cloudbursts at a number of points in western Canada during the past week not only called a halt to harvesting operations but increased the difficulties of gathering a very large crop. Wind and hail accompanied the rainstorms and additional lodging of crops, especially oats, may result in considerable loss. Most of the cutting and swathing of major crops has been completed in Manitoba but except where combines operated there is little in the way of threshing done and it will require several days of dry, sunny weather to make a resumption of field work possible. In Saskatchewan about 11 per cent of the wheat and 35 per cent of coarse grain crops have been cut but here also the threshing returns are small in number although the prospect for high yields is still good. Alberta got her share of the storms and much grain is still green although a considerable area of oats and barley has been cut. Some big yields of wheat are expected in Alberta and while frost is not expected to lower production the quality of the crop still stands in danger of weather conditions. The lodged condition of crops, especially oats, may result in material loss and will certainly add to the difficulties and expense of harvesting.

Manitoba

All harvesting operations have been checked by rain in Manitoba. The rains were general and at some points very heavy so that it will require several days of favourable weather to make possible the resumption of threshing operations. Much of the crop is out or swathed but apart from the areas where combines were used very little threshing has been done. Yields of wheat and coarse grain continue to promise well but there is still uncertainty about the outturn of flax crops. In the northern sections of the province around Swan River it will be two weeks yet before cutting of flax commences. Grasshopper damage to late crops is reported.

Saskatchewan

Rains were widespread in Saskatchewan also and reached cloudburst proportions at a number of places not only calling a halt to all field operations but rendering more difficult the harvesting of crops. Wind, hail and rain combined to batter crops down in some areas and while it is extremely difficult at this time to estimate the damage resulting from these storms, it appears likely that there will be loss. Only about 11 per cent of the wheat crop in Saskatchewan has been cut and about 35 per cent of the coarse grains. The lodged condition of crops will prevent combining where this was planned and the use of binders with attendant stooking will further aggravate the short labour situation. The flax crop shows great variability with much of the crop quite late.

Alberta

Cool and showery weather in Alberta has delayed ripening of grain crops and halted field operations. A considerable area of oats and barley has been cut but very little wheat has been harvested except in the northern areas where dry weather has been experienced for some weeks. Crops are very heavy and some big yields are in prospect but wind and rain have lodged oats rather badly and mowers will be used to gather some of the crop for hay. In the Cardston district in the south-west of the province, it will be two weeks before the harvest is general. Flax crop prospects around Vulcan are promising and the correspondent expects a yield of 15 bushels.

Precipitation and Temperatures in the Prairie Provinces

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending 8 a.m. Aug.31	
		8 a.m. August 31	since April 1	since April 1	Mean	Normal
Manitoba						
1	Pierson	1.60	10.73	10.17	63	59
	Waskada	1.12	10.38	10.51	64	59
2	Boissevain	1.68	9.70	10.12	62	60
	Ninette	1.14	13.30	10.62	62	60
	Pilot Mound	1.02	11.93	11.32	63	59
3	Emerson	3.98	13.27	10.03	65	60
	Morden	1.56	13.15	10.53	62	60
	Graysville	1.68	10.27	10.59	62	59
	Morris	2.74	12.95	10.60	62	60
	Portage la Prairie	2.28	11.79	10.36	62	59
4	Winnipeg	2.64	15.06	11.95	64	60
6	Sprague	5.14	16.29	11.00	63	58
	Pinawa	1.34	6.87	9.11	63	57
7	Virden	3.18	16.85	9.09	62	58
	Rivers	1.60	15.41	10.62	64	58
8	Brandon	2.28	11.35	10.79	64	58
	Cypress River	1.02	11.01	10.64	63	58
9	Minnedosa	1.04	13.32	10.47	62	58
10	Russell	1.24	14.92	9.97	59	56
	Birtle	.90	15.46	10.56	61	56
11	Dauphin	.64	11.43	9.25	61	57
13	Swan River	1.24	11.90	10.72	59	54
	The Pas	N.R.	14.61 1/	8.62	58	56
Manitoba Average		1.87	12.61	10.33	62	58
Saskatchewan						
1A	Carlyle	.68	14.39	10.52	64	56
	Estevan	.64	11.48	9.90	62	59
1B	Broadview	1.89	15.38	9.51	60	57
	Moosomin	2.16	16.38	9.60	60	56
2A	Yellow Grass	N.R.	10.22 1/	9.17	N.R.	59
	Midale	.64	13.33	9.97	63	59
2B	Moose Jaw	2.11	15.05	9.53	63	60
	Regina	2.61	13.84	9.61	62	58
	Qu'Appelle	N.R.	12.73 1/	11.28	N.R.	59
	Indian Head	2.00	13.21	10.87	61	57
	Francis	.90	12.23	8.18	62	59
3AN	Chaplin	1.34	12.24	10.04	60	57
	Gravelbourg	1.96	13.22	8.36	62	57
3AS	Assiniboia	2.96	15.56	7.67	61	60
	Ceylon	1.08	11.57	10.86	62	58
3BN	Swift Current	1.31	14.46	9.85	59	60
	Hughton	.30	9.74	8.62	56	57
	Pennant	1.06	11.68 1/	9.25	58	59
3BS.	Aneroid	2.78	16.58	9.61	62	57
	Cadillac	2.10	12.99	10.50	51	57
	Val Marie	.38	8.93	8.67	62	58
	Shaunavon	1.57	12.39	8.00	59	56
	Instow	N.R.	11.41 1/	8.51	N.R.	59
4A	Maple Creek	1.18	12.71	8.86	58	60
	Consul	.68	11.92	7.49	56	57
4B	Roadene	.42	8.84	8.62	58	57
5A	Yorkton	1.57	18.73	10.02	62	56
	Hubbard	2.30	13.12 1/	9.69	60	55
	Leross	3.64	13.16 1/	9.61	60	55
5B	Kamsack	1.36	14.91	9.13	60	55
	Foam Lake	2.46	11.87	9.47	60	54
	Lintlaw	2.20	15.05	9.49	56	53
	Wynyard	N.R.	8.59 1/	8.55	N.R.	54
6A	Davidson	1.30	12.66	7.85	61	56
	Nokomis	1.24	10.75	6.75	61	54
	Semans	2.10	13.14	6.19	61	56
	Strasbourg	2.52	17.36	8.78	58	56
	Dilke	1.40	11.81 1/	8.25	N.R.	-
6B	Saskatoon	.88	14.76	9.23	58	56
	Dundurn	.94	13.73	9.27	59	56
	Tugaske	3.74	12.11	7.79	62	57
	Elbow	1.92	15.58	7.78	60	58
	Outlook	.80	15.37	7.36	58	58
	Harris	.50	13.53	8.34	55	56

1/ No Report. 1/ Incomplete

NAME		ADDRESS		CITY		STATE		ZIP	

Precipitation and Temperatures in the Prairie Provinces ^{2/} (concluded)

Crop District	Station	Precipitation			Mean Temperatures	
		Week ending	Total	Normal	Week ending 8 a.m. Aug.31	
		8 a.m. August 31	since April 1	since April 1	Mean	Normal
Saskatchewan (Concluded)						
7A	Kindersley	N.R.	8.33 <u>1/</u>	8.33	N.R.	56
7B	Ruthilda	.68	9.54 <u>1/</u>	9.38	N.R.	-
	Macklin	.34	9.35	9.32	54	55
	Scott	.60	11.59	8.77	56	56
	Biggar	.48	10.26	9.46	55	57
8A	Nipawin	1.30	14.38	9.10	58	55
8B	Melfort	1.15	12.32	9.62	57	56
	Humboldt	2.13	11.91	7.83	57	56
9A	Rabbit Lake	1.38	15.29	9.53	50	55
	Prince Albert	2.41	18.17	9.57	56	56
9B	Battleford	1.37	11.22	9.16	54	58
	Waseca	.36	12.07	8.93	52	53
	Lloydminster	.97	11.77	8.43	53	53
	Loon Lake	.46	10.97	10.61	52	52
Saskatchewan Average		1.45	13.38	9.04	59	57
Alberta						
1	Medicine Hat	.63	11.35	8.01	59	61
	Foremost	.20	8.57	10.86	57	58
	Manyberries	.20	11.60	8.18	60	61
2	Macleod	.74	18.78	9.01	56	59
	Cowley	N.R.	15.89 <u>1/</u>	10.10	53	-
	Lethbridge	.87	15.40	8.90	53	60
	Cardston	.78	18.10	12.97	59	57
3	Brooks	.86	12.09	7.70	56	57
	Empress	.74	7.51	8.20	58	58
	Vauxhall	N.R.	9.30 <u>1/</u>	7.86	N.R.	59
4	Vulcan	1.16	13.34	8.93	N.R.	-
	High River	1.26	22.35	11.26	50	55
5	Drumheller	N.R.	6.73 <u>1/</u>	9.87	N.R.	55
	Hanna	.24	14.15 <u>1/</u>	10.39	53	54
	Naco	N.R.	9.69 <u>1/</u>	9.04	N.R.	53
6	Olds	2.70	12.51	11.20	48	52
	Three Hills	.54	12.02	9.45	51	55
	Strathmore	.68	14.00	9.87	51	54
	Gleichen	.92	11.81	9.11	52	55
	Calgary	1.10	13.89	11.17	50	56
7	Coronation	.12	14.81	7.98	53	53
	Hughenden	.32	13.11	7.90	53	53
	Hardisty	.40	14.08	9.40	N.R.	-
	Sedgewick	.34	15.29	9.89	52	55
	Viking	.66	15.05 <u>1/</u>	9.23	52	54
8	Camrose	.68	13.14 <u>1/</u>	9.73	52	55
	Wetaskiwin	1.08	14.04	10.63	54	55
	Lacombe	N.R.	15.00 <u>1/</u>	11.15	N.R.	53
	Alix	1.34	13.76	10.16	53	55
	Penhold	1.27	13.82	13.11	50	53
	Stettler	.66	15.14	10.95	52	54
9	Springdale	N.R.	14.37 <u>1/</u>	13.22	N.R.	51
	Jasper	.59	5.39	5.64	50	51
10	Vegreville	.93	15.23	11.83	53	53
11	Edmonton	2.15	16.71	11.33	52	56
	Calmar	1.40	16.80	11.98	50	55
12	Edson	1.36	14.44	11.41	46	53
13	Glendon	.14	11.73	9.35	50	52
14	Athabaska	.08	8.55 <u>1/</u>	10.46	52	53
	Campsie	.90	11.82	11.38	50	53
15	High Prairie	.68	10.28	9.43	49	54
	Kinuso	N.R.	8.80 <u>1/</u>	9.12	N.R.	54
16	Fairview	.36	6.86	7.23	50	54
	Beaverlodge	.80	9.09	7.92	51	54
17	Keg River	.46	6.51	9.26	51	53
	Fort Vermilion	.24	3.60 <u>1/</u>	7.45	51	54
	Fort McMurray	.94	6.35	9.07	53	55
	Fort Smith	.27	1.46	6.21	51	52
Alberta Average		.78	12.50	9.68	52	54

N.R. No Report. ^{1/} Incomplete. ^{2/} Source: Meteorological Service of Canada.

REPORTS OF DOMINION ENTOMOLOGICAL LABORATORIES

Brandon, Manitoba

Light marginal grasshopper damage to late crops continues in northern crop districts. Field crickets are unusually abundant especially in the Red River Valley and exist as a threat to late crops more especially flax.

Saskatoon, Saskatchewan

Heavy sawfly infestations at present throughout most of west-central area, especially on clay and better loam soils, where they extend throughout many fields. Considerable loss has already occurred in Densil and Major districts. Climbing cutworms are causing some damage to flax bolts at Druid and possibly Conquest.

HAIL DAMAGE

Manitoba (North West Adjustment & Inspection Company, Limited, Regina)

Light hail Windygales, Darlingford, Baldur, Boissevain and Carroll.

REPORTS OF CORRESPONDENTS

MANITOBA

Winnipeg, Provincial Department of Agriculture

Heavy general rains commencing middle last week checked all harvest operations. Will be middle this week with favourable weather before any threshing. Cutting and swathing nearing completion except for late districts or late seeded crop. Occasional field of flax cut. Apart from combine areas very little threshing. Yields promise well and sample good. Rains will discolour. Sugar beets a heavy crop.

SOUTH-CENTRE

Morden, Dominion Experimental Station

Heavy rains will delay harvesting for several days. Yields of grain much above normal. Threshing 20 per cent completed. Pastures good and corn crop fair. Weather cool.

SOUTH-WEST

Melita, Telegraphic Correspondent

Two and half inches of rainfall since August 26. Harvest and threshing operations delayed. Estimate yields wheat 18-20 bushels, barley 40, oats 40-60. Flax yield very uncertain. Pastures and gardens good and stock in fine condition.

WEST-CENTRE

Brandon, Dominion Experimental Farm

Harvesting halted over a wide area by heavy rain. Some grain still standing. Comparatively small acreage threshed. Best fields of wheat yielding 35 bushels per acre and barley running 40-55 bushels.

Woodnorth, Telegraphic Correspondent

Heavy rainfall during past week and weather continues unfavourable for harvesting. Probably 5 per cent of crop other than rye threshed. Reports indicate yield satisfactory but grades probably reduced through bleaching. No frost to date.

NORTH-WEST

Swan River, Telegraphic Correspondent

Harvesting much delayed by wet weather. Rye all cut and some threshed with yield above normal. Wheat 40 per cent cut and barley and oats 25 per cent cut. Heavy crop badly lodged which will reduce yield. Flax cutting will start in about two weeks. Crop normal. Pastures all good.

THE HISTORY OF THE UNITED STATES

CHAPTER I

The first part of the history of the United States is the history of the discovery and settlement of the continent. It is a story of exploration and discovery, of the first footsteps of the white man on the soil of North America.

THE DISCOVERY OF AMERICA

The discovery of America is one of the most important events in the history of the world. It opened up a new world to the European nations, and led to the establishment of a new civilization.

CRISTOPHER COLUMBUS

CRISTOPHER COLUMBUS was an Italian explorer who sailed across the Atlantic Ocean in 1492.

He was the first European to reach the Americas, and his voyage marked the beginning of the European colonization of the continent.

THE VOYAGE OF CRISTOPHER COLUMBUS

IN 1492, CRISTOPHER COLUMBUS

sailed from Spain on his first voyage to the Americas.

He sailed west across the Atlantic Ocean, and on October 12, 1492, he landed on the island of San Salvador in the Bahamas. This was the first European landing on the continent of North America.

THE DISCOVERY OF THE CONTINENT

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SASKATCHEWAN

Regina, Provincial Department of Agriculture

Precipitation ranging from light showers to extremely heavy downpours have been received in practically all parts of the province during the past week. The heaviest rains, many in cloudburst proportions, fell in the regions of Weyburn crop district extending eastward to Moosomin and west and south-west to Morse and Assiniboia and northward to the Last Mountain Lake area. High winds and in some cases hail accompanied these storms and extensive damage has resulted. Crops over this wide area are badly lodged. Hail caused serious loss in the Rouleau, Drinkwater and Pense districts, and at Assiniboia. Wind, hail, and rain also resulted in severe damage in the Gravelbourg, Hodgeville, Morse and Ernfold areas. Precipitation in other parts of the province ranged from light showers to heavy rains. In addition to the area mentioned, slight declines in crop prospects are recorded in south-western and north-eastern districts while elsewhere crop conditions have been fairly well maintained. The total damage resulting from the adverse conditions of the past week is extremely difficult to estimate. The problems of harvesting have been rendered more difficult as many fields which normally would be combined will probably have to be binder-cut and stooked, thereby aggravating an already serious situation with regard to harvest labour. The extent to which the damage will be reflected in actual crop loss and in grade cannot be judged at this time. Taking the province as a whole, about 11 per cent of the wheat has been cut and 35 per cent of the coarse grains. Sawfly damage is reported increasing in western areas and slight frost has occurred at scattered points.

SOUTH-EAST

Indian Head, Dominion Experimental Farm

Heavy rains during the week have caused further delay in harvest operations. Fields are saturated making it impossible for machinery to work. Hail damage in some areas. Pastures excellent and live stock in good condition. Rainfall for week 2.21 inches.

SOUTH-WEST

Swift Current, Dominion Experimental Station

Over 1.33 inches of rain in several heavy showers together with low temperatures and high winds interrupted harvest and prevented combining. Much grain lodged and considerable wheat cut by sawfly. Forty per cent of crop still quite green. Severe hail damage east and west of Swift Current. About 40 per cent of coarse grains cut but very little wheat harvested and practically no threshing of any kind to date. Flax crops extremely variable with many thin and weedy and others quite late. Fruit, vegetables, pastures and live stock best in years.

WEST-CENTRE

Rosetown, Telegraphic Correspondent

Weather continued dull and cool with showers slowing up harvest. The odd early field threshing but only swathing is general as yet. All crops heavy. Four degrees of frost last night likely to make for some damage.

Scott, Dominion Experimental Station

Unsettled weather with rain in most districts of west-central Saskatchewan has hampered harvesting operations during past week and weather appears still unsettled. Almost two-thirds of coarse grains harvested. Flax now ripening with rust lessening yield on several varieties. Slight frost this morning damaging only tender vegetables.

Senlas, Telegraphic Correspondent

Harvesting in full swing. Better than average for five years expected. Shortage of labour and later than usual harvest. No damage to any crop and normal yields expected.

NORTH-EAST

Melfort, Dominion Experimental Station

Light frost last week-end caused damage to gardens in district. Weather cool with one inch of rain during week. Crops ripening very slowly particularly wheat. Grain well filled and becoming firm. High wind and rain Friday lodged a large number of oat fields and soaked barley in swaths.

SASKATCHEWAN (Concluded)

NORTH-WEST

Prince, Telegraphic Correspondent

Only about two and a half days harvesting done last week on account of rain. Slight frost on August 30 but impossible to tell yet whether any damage was done to crops. All crops promise heavy yields and nearly all farmers have to build bins. Pastures and gardens good.

ALBERTA

Edmonton, Dominion Laboratory of Plant Pathology

Leaf rust of wheat common and rather severe in many fields probably causing shrinkage in aggregate. Although stem rust of wheat became fairly common, and in certain local areas of some fields near Edmonton and Lethbridge caused some shrinkage, the general crop will mature without injury from this rust. Most fields of flax are practically undamaged by disease. Diseases of potatoes and most other crops not more than usual.

SOUTH-EAST

Manyberries, Dominion Range Experimental Station

Scattered thunder showers interrupted wheat harvest which is now general. Yield not up to expectations in some districts. Haying still in progress in many areas. Range and live stock in excellent condition.

SOUTH-WEST

Lethbridge, Dominion Experimental Station and Illustration Stations

In area bounded by Medicine Hat, Owen and Drumheller cool weather with scattered showers during past week. Few early-sown fields cut with binder but majority of all grain crops not yet ready to harvest.

Cardston, Telegraphic Correspondent

One inch of rain since last report and crops are quite badly down and tangled especially oats and barley. Some barley has been combined and is not of very good quality. The weather is fair but harvest will not be general for two weeks yet and the late grain will very likely be frozen.

Vulcan, Telegraphic Correspondent

Weather has been cool and showery and warm, dry weather needed. Cutting of oats and swathing of wheat now general. No straight combining of wheat yet. Small area partially damaged by hail last Wednesday. Wheat should average 32 bushels, oats 75, barley 55 and flax 15 bushels per acre.

Claresholm, Telegraphic Correspondent

Rain last two days 1.40 inches. Cool and very poor harvest conditions. Some red rust and very light frost.

CENTRE

Sedgewick, Telegraphic Correspondent

Cutting just nicely started but delayed by showery weather and heavy dews. Heavy frost this morning which will do some damage. Need good weather to get this crop off with the shortage of help.

WEST-CENTRE

Olds, Telegraphic Correspondent

Heavy rains during past week and about 60 per cent grain lodged. Ripening is slow. Cutting will be general about September 10 providing get dry and warmer weather. Very little grain cut.

ALBERTA (Concluded)

WEST-CENTRE (Concluded)

Lacombe, Dominion Experimental Station

Rain on ten days in August totalled 2.7 inches with frequent cool, cloudy days and made for good filling but seriously delayed ripening of crops. Straw is very long and green and very badly lodged. Cutting, stooking and threshing will be slow and expensive. Very heavy dews delaying cutting which was barely started.

Edmonton, Telegraphic Correspondent

Harvest being held up account rains. Weather quite cool at nights with heavy dews. Some reports of leaf rust and generally conditions are bad for maturing this heavy crop. Reports also of some lodging especially late oats and barley.

NORTH

Athabasca, Telegraphic Correspondent

Rainfall past week .57 of an inch. Cutting general. Coarse grains badly lodged in places. No frost damage to speak of and crops very heavy. Harvest help scarce but farmers getting by so far.

LATE REPORTS

SASKATCHEWAN

Saskatoon, Dominion Laboratory of Plant Pathology

Rust especially, although other diseases to some extent will reduce flax yields in many localities. Barley head blights with some cases of scab are fairly prevalent and may reduce quality. Head discolorations in wheat prevalent with some of apparently infectious type causing severe injury in several fields. Take-all rootrot unusually common with a loss of five per cent in one wheat field observed. Severe common rootrot with complications reported from many points in southern Saskatchewan causing heavy damage in many wheat fields.

EAST-CENTRE

Willowbrook, Telegraphic Correspondent

Wheat 25 per cent cut, oats not general yet. Rainy weather delaying cutting and in some cases reports of grain sprouting in stock. Good harvest weather very essential now or heavy damage will result.

ALBERTA

The Alberta Hail Insurance Board, Calgary

Hail reported in Milo, Vulcan, Nanton and Crossfield districts during the week.

Lethbridge, Entomological Laboratory

Wheat stem sawfly cutting grain throughout southern Alberta but heavy stands of crop prevent complete prostration of cut stems so losses will be considerably lighter than last year. Infestations are severe and prolonged wet harvest season may increase losses.

CENTRE

Stettler, Telegraphic Correspondent

Rain has held up barley cutting. Some wheat cut and with dry weather harvesting will be general this week. Crop very heavy and some fields very weedy. Flax a good crop but weedy. Oats and barley badly lodged. Labour scarce.



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