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Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS - CANADA
AGRICULTURAL BRANCH

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TELEGRAPHIC CROP REPORT

Ottawa, August 12, 1941, 3 p.m. - The Dominion Bureau of Statistics issues today the sixth of a series of 7 telegraphic reports covering crop conditions throughout Canada. Included in this report is the twelfth of a series of 15 weekly telegraphic reports on crop conditions in the Prairie Provinces. One hundred and five agriculturists provide the basic information for these reports. In many cases, the Provincial Statisticians report for their entire province.

SUMMARY

The Maritime Provinces have had heavy rains, which have delayed haying, but a very heavy yield is being harvested. All grain crops, potatoes and roots are making good progress and pastures are in fine condition. Haying has been about completed in Quebec and harvesting of grain is under way. Hay and grain yields will be below average. Corn is making good progress and potatoes are from fair to good. Recent rains have improved pastures to some extent. Harvesting of grain crops is nearing completion in old Ontario. Yields are below average but the quality is excellent. Pastures are still poor in western Ontario but have improved in the eastern section. The corn crop has made excellent progress. In northern Ontario crop prospects are good.

Harvesting operations are well under way in all three Prairie Provinces and threshing has started in several parts of Manitoba. In Manitoba yields of early seeded crops will be fair to good but returns from the late seeded crop are somewhat disappointing. The corn crop is generally good but further rainfall would be beneficial. Sugar beets are very promising. Little change in prospects has occurred in Saskatchewan although early returns in the south-eastern district indicate a somewhat lighter yield than was anticipated. Prospects are still fair to good in the south-eastern, Regina-Weyburn and parts of the north-eastern districts and on the heavy lands in the south-western and west-central sections. In other areas only very light yields are anticipated. Late sown coarse grains have benefited from recent rains. Light scattered showers occurred in Alberta with heavier rainfall in the north-central and northern districts. Prospects are good in the extreme south, along the foothills, in parts of the central sections and in the north-central and Peace River districts, but elsewhere are only poor to fair. Coarse grain yields are expected to be below average in much of the central and eastern sections and oats are being cut for food in east-central Alberta.

Heavy rains were received in the coastal and southern interior districts of British Columbia early in August. The second cut of alfalfa yielded well, and for the province as a whole, the cereal grains now being harvested are promising high yields. Early apples and pears are beginning to move to market in volume.

Maritime Provinces

The three Maritime Provinces have had heavy rains during the first week of August, with temperatures somewhat below normal. The hay crop has been slow in maturing and although haymaking has been delayed by the wet weather a very heavy yield is being harvested. Feed grains are now ripening rapidly with very good yields in sight. Pastures are in fine condition for this season of the year as well. Vegetable, potato and root crops are also reported to be making vigorous growth in Prince Edward Island and in New Brunswick.

Quebec and Ontario

Haying has been completed in most areas of Quebec and harvesting of grain is now under way. The hay crop was much below average and grain yields will also be below normal, although there is a wide variation over the province. The corn crop has made good progress and good prospects are reported from several districts. Pastures have been dry, but recent rains have improved conditions. Potatoes are reported in from fair to good condition. The tobacco harvest has commenced in l'Assomption with only poor to fair yields reported.

Quebec and Ontario (Concluded)

The harvesting of grain crops in old Ontario is nearing completion. Yields are considerably below normal but the quality is excellent. Pastures in western Ontario are still suffering from dry weather and many farmers are using second growth alfalfa and clover for pasture. Better moisture conditions have improved pastures and late crops in eastern Ontario. The corn crop has made good progress in almost all parts of the province. Root crops need rain in the western counties. In the north haying is about completed with a fair crop reported. Grain crops continue to make good progress and early fields are ripening.

Prairie Provinces

Harvesting operations progressed rapidly in Manitoba during the week and over sixty per cent of the wheat has been cut or swathed. The weather was generally warm but scattered showers in many districts interrupted operations. Threshing has started in several parts of the province and will likely be general the beginning of next week. The yield and quality of the crop was adversely affected by the abnormal heat of July and while early seeded fields will give fair to good returns, much late seeded crop is somewhat disappointing. In the central districts the straw is heavy and considerable lodging is making harvesting difficult. The corn crop is generally in good condition but would benefit from further rainfall. Sugar beets are very promising. Grasshoppers have damaged late crops, particularly barley, in the Red River Valley. Light to heavy hail losses were reported from many scattered points. Pastures are generally in good condition and live stock are doing very well.

Warm weather with scattered showers prevailed over Saskatchewan during the past week and all grains matured rapidly. Cutting of wheat is well under way in most parts of the province, with considerable swathing being carried on in some districts to minimize losses from sawfly injury. Little change in prospects has occurred although early returns in the south-eastern district would indicate a somewhat lighter yield than was anticipated. Only very light yields are expected over a large portion of the province but prospects are still fair to good in the south-eastern, Regina-Weyburn and parts of the north-eastern districts and on the heavy lands in the south-western and west-central sections. Late sown coarse grains have benefited from recent rains and the fodder outlook has been improved. Sawfly injury is fairly general in southern, central and west-central Saskatchewan with damage varying from slight to severe. Rust is prevalent on flax in the south-east but the extent of injury is obscure as yet. Hail losses are reported from a few scattered points.

Light scattered showers were received over the greater part of Alberta during the past week with rainfall heavier in the north-central and northern districts. Warm weather hastened the maturity of all grains and harvesting has begun in all parts of the province. Cutting is general in the south and will be general in most districts by the beginning of next week. Prospects are good in the extreme south, along the foothills, in parts of the central sections, and in the north-central and Peace River districts, but elsewhere are only poor to fair. Coarse grain yields are expected to be considerably below average in much of the central and eastern sections, and oats are being cut for feed in east-central Alberta. Sawfly injury is becoming more serious than was anticipated and considerable losses are evident on harvested fields. Hail is reported from scattered points in the southern and central districts.

British Columbia

The coastal and southern interior districts of the province received heavy rains on August 2 and 3, but elsewhere the past fortnight has been bright and warm. The second cutting of alfalfa has yielded well, and for the province as a whole, the cereal grains now being harvested are promising high yields. Continued drought around Agassiz has lowered the cereal yields in that area. Early apples and pears are beginning to move in volume, although the main Bartlett pear crop will not be ready for marketing for another week.

The first of these is the fact that the United States is a young nation, and that its history is a history of growth and development. It is a history of a people who have been able to overcome many difficulties and to build a great nation out of a small colony.

The second of these is the fact that the United States is a nation of immigrants. It is a nation of people who have come from many different parts of the world, and who have brought with them their own customs and traditions. This has made the United States a very diverse and interesting nation.

The third of these is the fact that the United States is a nation of pioneers. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony.

The fourth of these is the fact that the United States is a nation of freedom. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony.

The fifth of these is the fact that the United States is a nation of progress. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony. It is a nation of people who have been able to overcome many difficulties and to build a great nation out of a small colony.

Precipitation and Temperatures in the Prairie Provinces

Crop District	Station	Precipitation			Mean Temperature	
		Week	Total	Normal	Week ending Aug. 11	
		ending 8 a.m. Aug. 11	since April 1	since April 1	Actual	Normal
Manitoba						
1	Pierson	.44	14.09	8.76	71	63
	Waskada	.26	10.42	9.57	73	64
2	Boissevain	.50	11.64	8.73	70	65
	Ninette	.28	11.37	9.26	71	65
	Pilot Mound	.04	13.40	10.03	71	64
3	Emerson	.02	11.84	8.78	75	65
	Morden	Trace	8.70	9.38	73	65
	Graysville	.04	8.16	9.56	72	64
	Morris	.01	9.63	9.18	72	65
	Portage la Prairie	.34	14.04	9.13	72	64
4	Winnipeg	.22	12.44	10.45	72	65
6	Sprague	Nil	7.46	9.90	68	64
	Pinawa	.38	6.56	7.75	72	62
7	Virden	.08	13.07	7.94	71	62
	Rivers	.69	14.67	9.22	71	63
8	Brandon	.52	11.26	9.34	72	63
	Cypress River	.12	13.20	9.24	71	64
9	Minnedosa	.65	12.93	9.12	69	62
	Langruth	.48	7.96	-	70	-
10	Dropmore	.10	5.42	9.16	70	62
	Russell	.54	9.16	8.72	68	61
	Birtle	.76	10.94	9.33	69	61
11	Dauphin	.38	7.86	8.10	71	62
13	Swan River	1.12	10.92	9.30	68	60
	The Pas	.59	5.60	7.29	68	62
Manitoba Average		.34	10.72	9.05	71	63
Saskatchewan						
1A	Carlyle	.08	10.58	9.29	72	61
	Estevan	.04	12.15	8.59	72	63
1B	Broadview	.22	10.87	8.48	70	62
	Moosomin	.60	10.56	8.01	70	63
2A	Yellow Grass	.28	10.54	8.21	71	64
	Midale	Nil	9.90	9.12	72	63
2B	Moose Jaw	.06	8.93	8.48	72	64
	Regina	.53	11.37	8.59	70	62
	Qu'Appelle	.62	8.82	10.10	68	62
	Indian Head	.48	9.62	9.69	70	61
	Francis	.28	10.32	7.14	72	63
3AN	Chaplin	1.18	7.44	8.89	71	63
	Gravelbourg	Nil	8.19	6.99	72	63
3AS	Assiniboia	.04	11.78	7.06	70	63
	Ceylon	Nil	8.94	10.35	N.R.	64
3BN	Swift Current	1.06	7.57	8.69	71	65
	Hughton	.62	4.32	7.67	69	62
	Pennant	Nil	6.32	8.41	70	64
3BS	Aneroid	.04	5.62	8.49	72	62
	Cadillao	.02	5.75	9.32	72	62
	Val Marie	Nil	6.36	7.86	72	64
	Shaunavon	.08	7.00	7.25	70	62
	Instow	Nil	6.24	7.47	71	64
4A	Maple Creek	.30	8.30	8.10	70	64
	Consul	.08	7.09	6.73	70	61
4B	Roadene	.02	7.23	7.69	71	62
5A	Yorkton	.18	6.53	8.79	73	61
	Hubbard	1.12	6.76	8.57	68	60
	Leross	.90	8.09	8.62	69	61
5B	Kamsack	.42	6.21	8.14	70	60
	Foam Lake	.38	5.96	8.52	70	60
	Lintlaw	.12	6.60	8.57	68	59
	Wynyard	.68	7.25	-	70	59
6A	Davidson	.06	5.80	7.00	72	62
	Nokomis	.24	6.56	6.25	71	61
	Semans	.10	8.24	5.57	72	61
	Strasbourg	.10	8.83	7.84	69	61
	Dilke	.12	5.76	7.27	N.R.	-
6B	Saskatoon	.24	5.08	8.00	69	61
	Dundurn	.70	5.26	8.30	68	62
	Tugaske	.16	7.73	6.98	70	63
	Elbow	Nil	8.60	6.97	70	62
	Outlook	.18	5.69	6.07	70	62
	Harris	.38	6.59	7.64	68	62

N.R. No Report. 1/ Incomplete.

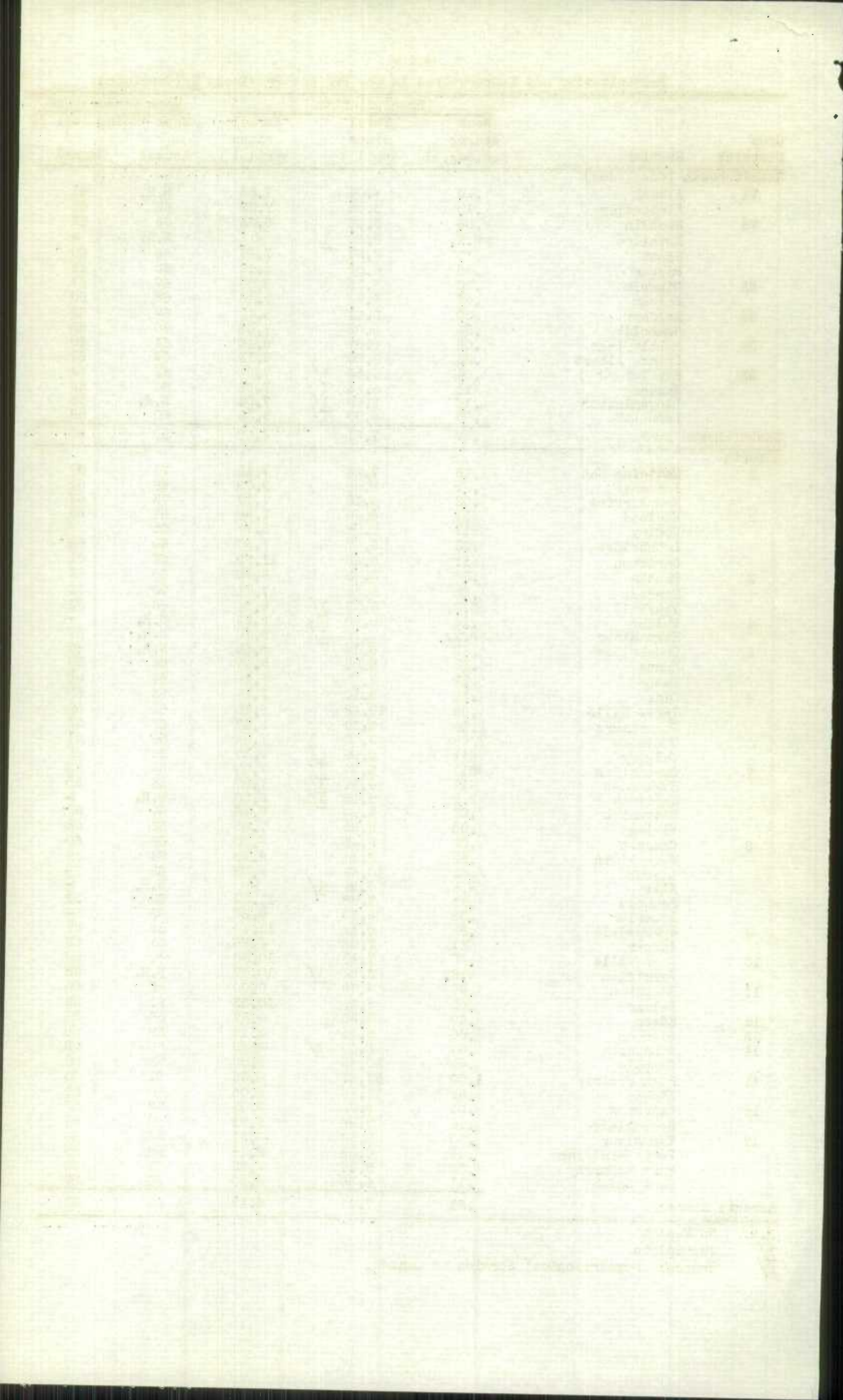
Precipitation and Temperatures in the Prairie Provinces 2/(Concluded)

Crop District	Station	Precipitation			Mean Temperature	
		Week ending 8 a.m. Aug. 11	Total since April 1	Normal since April 1	Week ending Aug. 11 Actual	Normal
Saskatchewan (Concluded)						
7A	Alsask	.40	7.04	7.53	N.R.	61
	Kindersley	.10	5.88	7.22	66	61
7B	Macklin	.06	5.88	8.63	66	59
	Ruthilda	N.R.	3.60	1/	N.R.	-
	Scott	.10	6.57	7.67	66	60
	Biggar	.16	6.06	8.42	68	61
8A	Nipawin	.26	6.25	8.09	67	61
	Naicam	.48	6.58	9.16	68	60
8B	Melfort	.20	5.01	8.42	67	62
	Humboldt	.54	8.03	7.08	70	60
9A	Rabbit Lake	.06	6.97	8.40	64	60
	Prince Albert	.23	4.50	8.13	67	61
9B	Battleford	.04	4.53	1/	67	63
	Waseca	Nil	5.63	7.85	64	59
	Lloydminster	.16	4.49	1/	7.54	N.R.
	Loon Lake	.68	6.99	1/	9.35	60
Saskatchewan Average		.27	7.51	8.06	69	62
Alberta						
1	Medicine Hat	.26	7.23	7.12	71	67
	Foremost	.38	8.86	9.48	69	61
	Manyberries	.02	6.15	7.17	73	67
2	Macleod	Nil	6.40	7.96	67	63
	Cowley	Nil	6.96	8.77	65	-
	Lethbridge	.03	9.67	7.97	68	64
	Cardston	Nil	6.68	11.59	66	61
3	Brooks	.58	5.63	6.90	68	62
	Empress	.62	5.52	7.41	70	62
	Vauxhall	N.R.	5.52	1/	6.84	66
4	Vulcan	.14	5.43	1/	8.23	N.R.
	High River	N.R.	.15	1/	9.70	N.R.
5	Drumheller	.20	6.17	8.65	N.R.	60
	Hanna	.32	5.55	9.47	66	59
	Naco	.22	7.25	8.26	64	58
6	Olds	.36	7.14	9.27	63	57
	Three Hills	.88	10.62	8.12	62	59
	Strathmore	.14	6.39	8.47	65	59
	Gleichen	Trace	5.52	7.94	64	61
	Calgary	Nil	8.05	1/	9.69	64
7	Coronation	Nil	5.05	1/	7.03	63
	Hughenden	Nil	4.94	1/	7.97	64
	Hardisty	N.R.	5.45	1/	8.56	N.R.
	Sedgewick	.02	8.40	8.36	64	59
	Viking	.08	5.25	7.68	62	58
8	Camrose	.22	5.41	8.70	62	60
	Wetaskiwin	.22	6.14	9.12	64	59
	Lacombe	.02	10.59	9.63	62	58
	Alix	N.R.	6.94	1/	-	N.R.
	Penhold	.13	7.96	11.22	62	58
	Stettler	.08	5.10	9.86	63	59
9	Springdale	.32	8.14	11.40	58	57
	Jasper	Nil	2.08	4.75	61	55
10	Vegreville	.02	7.13	10.30	60	59
	Vermilion	N.R.	3.82	1/	10.17	N.R.
11	Edmonton	.97	9.76	9.90	62	60
	Calmar	.42	8.45	10.33	61	59
12	Edson	.40	9.55	9.57	58	56
13	Glendon	.50	6.74	8.19	59	58
14	Athabaska	.34	8.57	1/	8.89	58
	Campsie	.84	10.63	9.90	62	59
15	High Prairie	1.50	13.61	8.35	61	60
	Kinuso	.52	12.46	8.06	60	59
16	Fairview	.84	8.92	6.05	58	59
	Beaverlodge	.44	9.86	6.91	60	59
17	Keg River	.40	8.56	8.31	57	60
	Fort Vermilion	.46	8.28	6.25	56	59
	Fort McMurray	.69	9.27	7.92	61	60
	Fort Smith	.11	4.85	5.20	60	57
Alberta Average		.31	7.61	8.49	63	60

N.R. No Report

1/ Incomplete

2/ Source: Meteorological Service of Canada.



REPORTS OF CORRESPONDENTS

PRINCE EDWARD ISLAND

Charlottetown, Dominion Experimental Station

Nine days rain, two point three inches in two weeks greatly delaying haymaking. Prevailing wind northerly. Temperatures below average. Hay two-thirds cut. Cereals making strong growth, will yield above average. Roots and potatoes making vigorous growth. Fruit sizing and coloring well. Vegetables late, fair growth. Insect injury severe.

NOVA SCOTIA

Halifax, Provincial Department of Agriculture

Growing conditions continue good. Heavy rains have held back completion of haying. Hay crop better than anticipated, averaging somewhat higher than in 1940. All other crops growing well, although some fields very late. Pastures are excellent.

Nappan, Dominion Experimental Farm

Rain recorded on seven dates, August two point five inches. Regularly wet week-ends have greatly retarded haymaking. Most hay stored, has been in good condition and of good quality. Not much more than fifty per cent cut. Shortage of help has been a factor. Crops on marsh land below average or above with quality good. Grain and hoed crops making exceptionally good growth, and present indications are crops will be up to average. Pastures still good for season of year. White clover in abundance on fertilized areas. Clear weather badly needed.

NEW BRUNSWICK

Fredericton, Dominion Experimental Station

August rain two point six nine inches but most week days last fortnight suitable for haymaking. Hay nearly matured, heavy yield, good quality, over four-fifths stored. Grain ripening fast, yield above average. Roots, vegetables, potatoes growing vigorously. Spraying necessary to control late blight. Heavy aftermath. Pastures good for August.

QUEBEC

Quebec, Agricultural Statistician, Department of Trade and Commerce of Quebec

Haying completed in many localities and harvesting under way. Yield of hay exceptionally low. Although cereal crops are still below normal, there is a wide variation in yields. Pastures have been very dry but have been improved by recent rains. Otherwise additional supplementary feeding would have been necessary. For special crops such as flax, potatoes and corn, conditions are reported good to fair.

Quebec, Provincial Laboratories of the Plant Protection Service

Grasshoppers are prevalent in northern Quebec. White grubs are damaging potatoes on several farms in the Shefford area. Potato bugs are very prevalent.

Ste. Anne de la Pocatiere, Dominion Experimental Station

Precipitation during the last fortnight one point two seven inches. Haying almost completed, yield normal. Harvesting of cereal crops under way, yields above average. Pastures good. Hoed crops good. Honey and fruit crops average to good.

Normandin, Dominion Experimental Station

Showers received last fifteen days totalling two point three seven inches unevenly distributed throughout district. Excessively dry in some places and pastures suffering. Haying ninety per cent completed. Aftermath very good. Grain crop excellent. Milk production maintained. No insect damage.

THE HISTORY OF THE

REIGN OF KING

CHARLES THE FIRST

THE HISTORY OF THE REIGN OF KING CHARLES THE FIRST, FROM HIS MARRIAGE TO HIS DEATH. BY SAMUEL JOHNSON, ESQ. VOL. I.

CHAPTER I.

OF THE REIGN OF KING CHARLES THE FIRST.

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CHAPTER II.

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CHAPTER III.

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QUEBEC (Concluded)

Lennoxville, Dominion Experimental Station

Haying practically all finished. Crops variable owing to very local rain. Crop in immediate district good. Grain harvest general. Crop good. Considerable lodging making cutting difficult. Corn fair to good. Pastures getting short but aftermath growing well.

L'Assomption, Dominion Experimental Station

Harvesting oats general, yield from poor to good according to soil types and drought. Vegetables and truck crops good. Corn medium to very good, heavily infested by corn borer. Tobacco harvest begun in flue-cured and cigar districts, yield from fair to poor. Pastures poor.

ONTARIO

Toronto, Provincial Department of Agriculture

Harvesting spring grains practically completed in old Ontario this week. Quality of grain is good but straw very short and average yield per acre considerably below normal. Pastures and late crops all need rain badly in south-western Ontario. Central and eastern Ontario have had more rainfall last two weeks and late crops growing well. Crop prospects fairly good in northern Ontario.

Chatham, Dominion Entomological Laboratory

All crops progressing favorably but rain shortage now becoming acute. Insect damage to field crops is about average. In stored grain insects frequently reported as injurious.

London, Agricultural Representative

Weather has been extremely dry. Showers today. Pastures badly burned and milk production down considerably. Many dairy cattle being stable fed. Harvesting of fall wheat and spring grains practically completed and threshing well over half done. Grain a fair yield and excellent sample. Roots will be good with rain. Corn varies from excellent to poor.

Galt, Agricultural Representative

Favourable weather will see the harvesting of spring grains completed this week. Spring grain crops are giving seventy-five per cent of normal yield. Quality good. Yield fall wheat averages thirty to thirty-five bushels per acre. Pastures badly in need of rain. Dairy men are grain feeding their cattle to keep up the milk flow. Some men have turned their cattle on second growth alfalfa and clover which they had intended cutting for hay. Corn gives excellent promise. Root crops are badly in need of rain.

Barrie, Agricultural Representative

Harvesting proceeded very rapidly during the week, many farmers having completed harvesting. Farmers report the quality of grain threshed as being better than average but the quantity is considerably below average. Rainfall has been very spotty, some sections still experiencing extreme drought. Pasture is still a problem for most farmers.

Brighton, Agricultural Representative

Cutting of spring grain practically completed, yield is 40 per cent below normal, straw quite short, quality of grain fair to good. Pastures are greatly improved and milk production now above same period last year. Field corn has made rapid growth during past two weeks. Moisture supplies satisfactory at present.

Morrisburg, Agricultural Representative

Threshing is general under ideal weather conditions. Quality and yield of grain is surprisingly good. Corn is an excellent crop. A few showers of rain have improved pastures and aftermath.

General Information

1. Name of the person or organization

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2. Address of the person or organization

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3. Date

4. Signature of the person or organization

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10. Address of the person or organization

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- 7 -

ONTARIO (Concluded)

Renfrew, Agricultural Representative

Cereal crops eighty per cent cut, five per cent harvested. Yields spotty, seventy per cent of average. Silage corn excellent, above average. Showers in most sections improved pastures. Cobden section still dry, pastures poor.

Kapuskasing, Dominion Experimental Station

Haying at this station about completed. Excellent crop of first quality hay but weather very difficult and some hay damaged. Grain is an excellent crop and will be ready to cut shortly. Haying is late in the district and poor crop. Grain fair and will be above average. Labour scarce and experienced farm help hard to get.

Kapuskasing, Supervisor Illustration Stations

Haying operations well advanced. Hay crop saved in fairly good condition, yield lower than average. Grain crops very good. Early grain ripening. In Abitibi and Temiskaming some grain crops already cut. Pastures medium. Gardens and vegetables very good.

PRAIRIE PROVINCES

REPORTS OF DOMINION ENTOMOLOGICAL LABORATORIES

Brandon, Manitoba

In the Red River Valley grasshoppers have done some damage to late crops, especially barley. Egg laying is in progress and many deposits have been found. No grasshopper flights have been observed or reported.

Lethbridge, Alberta

Wheat-stem sawfly losses becoming more severe than anticipated with many fields observed showing from three to ten bushels per acre not recovered in harvesting operations. Say's grain bug has cut crop on at least twenty-five hundred acres north of Taber, so grain grades feed at forty-four pounds per bushel.

HAIL DAMAGE

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

Light hail at Somerset, Leon, Manitou, Rosser, Clanwilliam, Minnedosa, heavier at Transcona, heavy at Deloraine, Boissevain, Whitewater, Mountainside, Napinka, Bannerman.

Saskatchewan (The Saskatchewan Municipal Hail Insurance Association, Regina)

Hail losses reported at Beechy for storm August 2; at Huntoon for storm August 3; at Young and Zelma for storm August 4; at Bengough for storm August 5.

Alberta (The Alberta Hail Insurance Board, Calgary)

Hail reported in the Carmangary, Stavely, Wrentham, Foremost, Didsbury, Brooks, Bon Accord, Calgary and Bindloss districts during the week.

MANITOBA

Winnipeg, Provincial Department of Agriculture

With ideal weather rapid progress made during past week in harvesting. In earlier districts nearly all wheat cut or swathed with over sixty per cent for province. Threshing started, soon general. Heat lowered yield and sample. Early seeded crops will give fair to good returns, much late seeded crop disappointing. Flax and corn generally good. Sugar beets very promising.

Introduction

Chapter I. The History of the

The history of the subject is a long and complicated one, and it is not possible to do justice to it in a short space. The subject has been treated by many writers, and the results of their researches are scattered throughout the literature of the subject. The purpose of this book is to give a general account of the subject, and to show the progress of the science from its earliest beginnings to the present time.

Chapter II. The Principles of the

The principles of the subject are those which govern the action of the mind in the acquisition of knowledge. These principles are of a general nature, and they apply to all the sciences. The first principle is that the mind is a tabula rasa, or a blank slate, at birth. The second principle is that the mind is capable of receiving impressions from the external world. The third principle is that the mind is capable of forming ideas from these impressions.

Chapter III. The Methods of the

The methods of the subject are those which are used to acquire knowledge. These methods are of a general nature, and they apply to all the sciences. The first method is observation. The second method is experiment. The third method is reasoning. The fourth method is comparison. The fifth method is analysis. The sixth method is synthesis.

Chapter IV. The Objects of the

Chapter V. The Results of the

Chapter VI. The Applications of the

The applications of the subject are those which are derived from the principles and methods of the subject. These applications are of a general nature, and they apply to all the sciences. The first application is the discovery of new facts. The second application is the explanation of known facts. The third application is the prediction of future facts. The fourth application is the control of the external world.

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Chapter X. The Objects of the

The objects of the subject are those which are the subject of study. These objects are of a general nature, and they apply to all the sciences. The first object is the mind. The second object is the external world. The third object is the relation between the mind and the external world. The fourth object is the history of the mind and the external world.

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MANITOBA (Concluded)

SOUTH-CENTRE

Morden, Dominion Experimental Station

Point two five inch rain. Harvesting well advanced. Yields of grain reported wheat twenty-five to forty, barley thirty-five. Yields reduced from lack of moisture and heat, grade No. 2 northern. Pastures dried. Corn looking well. Moisture needed badly for pastures and corn.

SOUTH-WEST

Melita, Telegraphic Correspondent

Good harvest weather. About sixty per cent of cutting done. Wheat yield about normal, grade two to four. Oats and barley below normal. Several threshing machines starting this week.

WEST-CENTRE

Brandon, Dominion Experimental Farm

Cutting of grain proceeding rapidly with interruptions from scattered showers. Threshing commenced with small amounts of wheat marketed. Grade reduced to No. 3 northern as result of wheat ripening prematurely following extreme heat of July twenty. Pastures continue green and live stock thriving. Some cases of encephalomyelitis.

Brandon, Supervisor of Illustration Stations

In Brandon, Dugald, Dryden and Rainy River cutting well advanced. Threshing east of Winnipeg. Straw heavy, lodged and tangled. Considerable stem rust in eastern section. Wheat yields good, grade low due to heat and lodging. Corn crops splendid. Pastures fair. Second crop alfalfa good. Seed setting well.

Woodnorth, Telegraphic Correspondent

Harvesting of all grains now well under way. Threshing not sufficiently advanced to determine yield. Extreme heat will affect both quantity and quality.

NORTH-CENTRE

Teulon, Agricultural Representative

Good progress with harvesting during warm dry weather of last week. Estimate yields at wheat 22 bushels, oats 40 bushels, barley 30 bushels. Potatoes good. Root crops, pastures and gardens need rain. Severe rust damage to late sown barley.

NORTH-WEST

Dauphin, Agricultural Representative

Harvesting progressing. Wheat and barley seventy-five per cent cut, oats twenty-five per cent. Some threshing started but will not be general until next week. Grasshoppers doing some damage by cutting heads in isolated areas in district.

Swan River, Telegraphic Correspondent

Crops have made rapid recovery past two weeks. Wheat about half cut, should average eighteen bushels. Barley and oats late and yield will depend on fall weather but will be fair crop. Rye and flax small acreage but fair crop. Pastures recovering fast and stock doing well. Summer-fallows in good shape.

SASKATCHEWAN

Regina, Provincial Department of Agriculture

Wheat cutting is well under way in most parts of the province and in some areas a considerable proportion has been done. Except for the increased evidence of sawfly injury, relatively little change has taken place in crop prospects during the period, taking the province as a whole. Some further deterioration is reported in the drier areas and early returns in the extreme south-east indicate somewhat lighter yields than were anticipated. On the other hand moderate to heavy rains which have been received during the past two weeks in the south-eastern quarter of the province have aided late sown coarse grains and assisted in the filling of late wheat. As previously reported

SASKATCHEWAN (Concluded)

Regina, Provincial Department of Agriculture (Concluded)

only very light returns are expected over the greater portion of south-central, central and north-western Saskatchewan and portions of south-western, east-central and west-central areas. Crops on the whole in south-eastern, Regina-Weyburn and on the heavy land in south-western and west-central Saskatchewan and at points in the north-east are still fair to good. In other districts generally poor or only fair yields are anticipated. Sawfly injury varying in extent from slight to severe has been reported pretty generally from southern, central and west-central districts and in many cases crops have been swathed in order to minimize the loss. Rust is reported on flax in the south-eastern portion of the province but it is not possible at this time to gauge its effect. Temperatures have ranged from moderately warm to hot with precipitation varying from extremely heavy rains at some points to light local thunder showers. Recent rains have improved the fodder outlook and while pastures vary considerably in different districts, the condition of live stock on the whole has been well maintained.

SOUTH-EAST

Manor, Telegraphic Correspondent

Cutting general. Crops ripened up fast. Wheat will be uneven sample. Coarse grain fair to good. Sawfly damage slight. Pastures green. Stock in excellent condition. Moisture from April first twelve point seven inches.

Indian Head, Dominion Experimental Farm

Grain crops ripening rapidly. Harvest operations progressing. Binders and swathers used to save crop damaged by sawfly. Grasshoppers causing considerable damage to oat and barley crop. Precipitation during week point four eight inch.

SOUTH-WEST

Swift Current, Dominion Experimental Station

Weather continues hot and dry, no rain. Cutting of grain crops in full swing. Many harvesting difficulties due to short crop, weeds, sawflies and grasshoppers. Pastures fair. Live stock satisfactory.

WEST-CENTRE

Scott, Dominion Experimental Station

Cutting is now quite general in west-central Saskatchewan with straight combining started in some of the drier districts. Harvesting is being rushed using methods where possible to save the wheat because of excessive sawfly damage. Practically all districts are experiencing a shortage of suitable harvest labour.

Senlac, Telegraphic Correspondent

Cutting of wheat is well under way and crops are uneven. Much damage done by sawfly. Yield will vary from one to ten bushels and some fields total loss. Oats very poor and shortage of seed expected. Rainfall for season three and one-half inches.

NORTH-EAST

Melfort, Dominion Experimental Station

Wheat harvesting has become general through the north-eastern section as result of rapid ripening. Kernels are small and yields will be lowered. Coarse grains are ripening very fast and grain is shrinking except in the extreme eastern section where moisture conditions are favourable. Yields of these crops will be very low.

ALBERTA

SOUTH-EAST

Manyberries, Dominion Range Experimental Station

Continued hot weather has rapidly matured crop. Harvesting now general. Wheat is somewhat shrunk with average yield of ten to fifteen bushels in sight. Live stock in excellent condition.

ALBERTA (Concluded)

SOUTH-WEST

Lethbridge, Dominion Experimental Station and Illustration Stations

Grain crops south of Calgary are maturing rapidly as a result of hot, dry weather during past week. Binders and swathers are working in many wheat fields and in some districts direct combining has started. Crops are generally good south of Lethbridge and along the foothills. In the balance of the area crops are fair to poor except for occasional good spots.

Vulcan, Telegraphic Correspondent

Warm, dry weather since last report which forced all grains. Harvest in full swing and straight combining should be general the middle of this week. Based on returns to date wheat should average twelve bushels per acre or better. Some sawfly damage reported. Heavy grasshopper infestation in some fields.

Claresholm, Telegraphic Correspondent

Nearly all crop ready for harvest. Possible average of twenty bushels. Small area hailed. Grasshoppers bad. Some threshed wheat sixty-four pounds.

EAST-CENTRE

Hanna, Telegraphic Correspondent

Weather warm and dry. Wheat cutting general. Straw short. Sawfly causing a lot of damage. Oat crop poor, cut for feed.

CENTRE

Stettler, Telegraphic Correspondent

Cutting started and will be general about Thursday. Wheat crop about sixty per cent normal. Coarse grains not so good. Pastures drying up fast.

Sedgewick, Telegraphic Correspondent

Heavy rain over this district last week has helped the feed situation. Cutting is general and a few combines have started. Yields very light but wheat is fair, sample grading from one to three northern. Do not expect the wheat to average over six bushels per acre.

WEST-CENTRE

Calgary, Telegraphic Correspondent

Some harvesting has started and will be fairly general next week. Some damage from sawfly and yields will be below normal.

Lacombe, Dominion Experimental Station

Dry warm weather with temperatures up to ninety and no moisture reserves has caused early and premature ripening. Heads burning and weight per bushel will be light. It is now evident August first frost caused considerable damage. Prospects seriously decreased during week. Cutting well started and will be general this week.

Edmonton, Telegraphic Correspondent

Light scattered showers during week will help late coarse grains. Wheat cutting general end of this week. Reports indicate yield about twenty per cent to thirty per cent below normal.

NORTH

Athabasca, Telegraphic Correspondent

One point eight four inches rainfall since July twenty-ninth. All crops ripening fast. Wheat fifty per cent cut, coarse grains twenty-five per cent. With favourable weather threshing will be general by September first. Expect average of at least fifteen bushels per sown acre.

BRITISH COLUMBIA

Victoria, Provincial Department of Agriculture

With the exception of heavy rains on August second and third in the coastal and southern interior sections of the province the weather for the most part has been fine, bright and warm. The second cut of alfalfa is completed and put away in excellent condition with satisfactory yields reported. Harvesting and threshing of all grains is now in full swing with every indication of high yields and excellent quality.

Victoria, Dominion Entomological Laboratory

Weather fine, and bright with heavy rain on second and third. Blackberries, plums and early apples marketed in volume. Other apple varieties and pears sizing nicely. Haying completed. Threshing in progress. Seed crops progressing favourably. No serious insect damage.

Saanichton, Dominion Experimental Station

Weather has been bright and dry. Grains being threshed with satisfactory yields. Sugar beet seed crop has been harvested with good results. There is good demand for fruit of all kinds. Bartlett pears are a light crop and will be ready for marketing in ten days.

Agassiz, Dominion Experimental Farm

Only point seven eight inch precipitation since June twenty-five. This, with hot weather, ripened cereals prematurely and yields are below average. Harvesting half completed. Threshing ten per cent done. Pastures dried up but aftermath in hay and oat fields supplying needs.

Summerland, Dominion Experimental Station

Warm, dry weather favourable for peaches, tomatoes and cantaloupes. Good quality Bartlett pears moving in volume. Excellent crops grain harvested north Okanagan. Supplies of irrigation water adequate.

Prince George, Dominion Experimental Station

Rains of past weeks seriously interfered with haying although most districts now completed. Grains in many outlying districts already cut and stooked. Prince George district not quite ready. No frosts recorded yet. Pastures good and all stock in good condition.

LATE REPORTS

MANITOBA

Neepawa, Agricultural Representative

Grain harvesting is general throughout the district. Combined grain grading 2, 3 and 4 Northern. Good fields are running 25 to 30 bushels to the acre. The grain is off colour. Thatcher wheat reduced in grade by leaf rust. Fields show one per cent sawfly damage. Recent rains are improving pastures and late crops.

ALBERTA

Beaverlodge, Dominion Experimental Station

Excessive rain some districts and ground soft for machinery. Crops filling nicely except some early ones affected by July heat wave. Wheat and coarse grains maturing rapidly. Possibly ten per cent cut, prospects fairly general harvest this week. Scattered hail and considerable lodging. Hay musting in coil and in parts of stacks.



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