# FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

# Holland as a Wheat Market

Founded 1866

# **EXPERIMENTS AT LETHBRIDGE**

at Lethbridge have been prepared by the superin- seed bed was attempted. The seed was sown with the United States. with the country, \$28,000,000 tendent, W. H. Fairfield. The past season has been a single disc drill. The soil was dry at time of seed- worth, a table is given in the report showing the value

1578

In spring wheats those at the top were Percy A. (31 bu. per acre), Preston (31 bu.), Marquis (31 bu.), standard varieties to hold their own. In oats the Red Fife (29 bu.), Chelsea (28.5 bu.), White Fife heaviest yielders were Improved American, Lincoln, (28.5 bu.), and Pringle's Champlain (28 bu.). Banner, Kendal White and Abundance. Six-rowed The seed was put in April 8, the crop maturing in from 123 to 128 days. Eidd area of the transference is that the Dominion is ignoring a with Mensury standing sixth. Eidd area of the transference is that the Dominion is ignoring a splentic area of the super-

cause of this winter-killing, which was not confined to the Experimental Farm, but occurred quite com-monly over many parts of the province. The most morely over many parts of the province. The most tons per acre. The average yield from seed put in generally expressed opinion is that it was due to the drills was over one ton more than that from hill dry fall and to the unfavorable conditions during sowing. the early part of April, when considerable hard freezing alternating with warm weather prevailed. At any event the majority of the fields were in fairly good condition up to the middle of March.

One of the most interesting results of the unusual season from an experimental standpoint was the much superior in quality and flavor, although it was fact that out of ten varieties of winter wheat sown, not quite as early as some of the others but was ready only those of the Turkey Red type, or as it is com- for use by September 11th. monly called, Alberta Red, lived through. There were two of these, Kharkov and Turkey Red No. 380, but even on these plots 50 per cent. or more of the stand killed out. The Kharkov yielded at the rate of 22 bushels per acre, and the Turkey Red No. 380 able. at the rate of 14 bushels and 30 pounds per acre. State, In studying the conditions that might influence the winter-killing the experiment in which the winter

wheat was sown at different dates is interesting. The experiments with different dates of seeding were as follows :

## WINTER WHEAT- KHARKOV

			summer and were left on the grou								
	Yield, 1908.			Yield, 1909.		Average for 2 years		was not large. Our results from season have been quite encouraging			
Date of sowing. Bu. Lbs.			Bu. Lbs.		Bu. Lbs.		from the following tables the first				
	July 15			6				June 28th a	nd the s	econd cutti	ng
	Aug. 1			23	50			13th :			
	Aug. 15	46	51	27	50	37	21	Amount	Inno	culated	
	Sept. 1	54		26	20	40	10	of seed	First	Second	
	Sept. 15	38	48	16	30	27	39	per acre	Cut	Cut	
	Oct. 1	38		6	20	22	10	Lbs.	Lbs.	Lbs.	
	Oct. 15	28	32	18	50	23	41	5	5355	980	
	Nov. 1	25	44	14	10	19	57	10	5425	875	
	Nov. 15	12	1.6	11	10	11	43	15	4690	980	
	Dec 1	11	.20					20	3955	980	

It will be noted that the wheat sown on July 15th Some alfalfa was planted in the spring of 1908 in yielded but six bushels to the acre, and it should be rows 28 inches apart, which was cultivated twice with mentioned, that this plot came up well and made an ordinary garden cultivator during the summer of a vigorous growth before winter set in. The next 1908. It was planted in this manner with a view of two dates of seeding, August 1st and 15th, also made raising seed. A small plot on one side of this plot a good growth, but not quite so strong as the first was cut for hay this summer. Two crops were ob-sowing. That sown on September 1st did not come tained. The first yielded at the rate of two tons 140 up very well, and was somewhat thin in the fall, pounds per acre and the second yielded a few pounds The increased yield from the plot sown October 15th less than a ton to the acre, or a total for the season is of interest, though rather difficult to explain. The of three tons and 120 pounds per acre. The yield wheat sown on this date germinated but did not show of seed from that allowed to ripen was about 90 above the ground, so it would indicate the importance pounds to the acre. of a farmer examining his winter wheat fields very carefully in the spring before reseeding. A very good without a nurse crop on backsetting. way is to dig up a square foot of soil, containing a 28th and yielded at the rate of 1500 pounds per acre drill row without disturbing the plants, late in A plot of alsike clover planted at the same time and in March or early in April, and put it in a box in the the same way yielded at the rate of 900 pounds per date of the vitality of the plants. acre. There was a small amount of winter killing in It is very reasonable to suppose that though this plot both of these plots. White clover planted under the good number of them, have been raised to a higher favorable conditions during April the yield might have there was not enough left to make it worth and the same time and in States government unusual opportunities are onleted at present for trade extension in China. It is pointed to that the Chinese during the past a least a good number of them, have been raised to a higher favorable conditions during April the yield might have been very materially increased. been very materially increased. In regard to the proper amount of seed of winter wheat to sow the tables giving these tests which appear later on in the report, are worthy of close study. Although 75 pounds or a bushel and a peek appear to give the maximum yield the past two sea-sons, it is better not to be governed too implicitly by these experiments, owing to the fact that they was planted under the same conditions as the above by these experiments, owing to the fact that they was planted under the same conditions as the above cover but two years and the weather conditions pre- grasses and yielded at the rate of one ton 449 pounds vailing may not be representative of the average sea- per acre. son, for the general consensus of opinions of those who have been growing winter wheat for the last six Saskatchewan Legislature opened November 18, or eight years in the district would indicate that a Amongst the government bills which will be sub-bushel to the acre is often as much as is safe to sow, mitted is a bill relating to public health, bills respect-

White Pearl, Early Mastodon, Selected Learning, tons per acre. The average yield from seed put in our trade in that quarter.

Several varieties of early strains of sweet corn were planted in the garden and gave very favorable results. Squaw corn ripened perfectly quite early in the fall which was much the earliest variety tested. Of the varieties tested this season the Golden Bantam was

#### FIELD ROOTS AND POTATOES

potatoes about 59 per cent. were considered marketable. The varieties with highest yield were Empire State, Late Puritan, Vick's Extra Early, Rochester Rose and Vermont Gold Coin.

### ALFALFA, CLOVERS AND GRASSES

Several experimental plots of Alfalfa were sown on backsetting without a nurse crop in the spring of 1908. The plants were clipped off once during the ind, but the growth m these plots this ng as will be noted was made August

		13th :					
37	21	Amount	Inno	culated	Uninnoculated		
40	10	of seed	First	Second	First	Second	
27	39	per acre	Cut	Cut	Cut	Cut	
22	10	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	
23	41	5	5355	980	4320	630	
19	57	10	5425	875	3285	468	
11	-43	15	4690	980	3375	360	
		20	3955	980	3015	495	

A small plot of red clover was planted in 1908. It was cut July

A recent number of The Trade and Commerce Weekly Report draws attention to the fact that Can-a good one and fair results are shown in most in-stances. In spring wheats those at the top were Percy A. Calaba a single disc drift. The soft was dry at the dry at the dry at the results with careful tests of other grains show The results with careful tests of other grains show Canada and the U.S. This country sells the Dutch

The results with winter wheat have been quite disappointing this season. All of the plots and fields were winter-killed more or less. It has been very difficult to find a satisfactory explanation for the cause of this winter killing which more are confided. Cause of this winter killing which more are confided to the plot and the prospects with Mensury standing sixth. Field peas were not satisfactory, but the super-intendent points out that from observations made last season he has concluded the yield can be increased by innoculating the land. Experiments along this very difficult to find a satisfactory explanation for the cause of this winter killing which more are confided. Cause of this winter killing which more are confided to the plots and the plots and the prospects of field corn Champion out of seventeen varieties of field corn Champion the plot of the plot and the prospects of the plot Commissioner has just been appointed to the Nether-Comptons Early and Longfellow headed the list in lands, and the government looks for improvement in

# Outclassed Record Horses Selling Low

There was a time in the United States when race horses with an outclassed record were in fair demand showing the change in sentiment within the past year the detailed report of a sale of racing stock held recently in Chicago is of interest. The feature of the sale was decline in prices as compared with 12

These horses can no longer race successfully in their class and their present value is represented Root crops and potatoes also were tested. In by their usefulness as matinee performers and pleasure drivers. The public like prospects and smooth, promising gaited young undeveloped trotters sold for better prices than outclassed record horses. The well-bred, sure-gaited young trotter offers a possibility of developing extreme speed and racing in green classes where large purses are offered. The chance of improvement and increase in value offer special attractions to the speculator in harness speed that are entirely eliminated in outclassed record horses. It was noted that the good-gaited green prospects outsold the outclassed trotters and racers in this sale, for the prospect offered a brilliant future, while st cutting was made the outclassed record horse had no earning value as a racing proposition.

# Automobile Schools the Latest

Automobile schools are the latest development of the automobile business in the United States.

The driving, care and management of automobiles has become a profession. It is only a question of a brief period before chauffeurs to obtain licenses to operate automobiles on the public thoroughfares of the United States will have to produce certificates of graduation from incorporated automobile schools. Among other accomplishments taught at automobile institutions are the ethics of the road and obedience to the laws governing the safety of life obedience to the laws governing the safety of life and property. An automobile instead of being a pleasure vehicle is easily transformed into a huge engine of The rights destruction that menaces life and limb. of the road of citizens who still admire the horse horse for pleasure use should be respected and special consideration shown to nervous horses hitched to carriages occupied by women and children. Expect to develop Trade in China

According to a bulletin just issued by the United States government unusual opportunities are offered together with labor-saving machinery, better livestock and more modern transportation facilities. The wonderful material and moral development in progress in China is claimed to be due to the establishment of a limited monarchy in lieu of autocracy that has endured so many centuries. Changed conditions have given the people new ideas and have led to a demand for Western products that are worth taking

luring April the yield might have there was not enough left to make it worth cutting

One-half acre of brome grass was planted in the

a season where growth is good in the fall and ing drainage and water courses, a bill providing for erable stooling takes place, followed by a inspection of factories, a bill concerning the law of building railroads and other contracting work of like but dry spring and summer, fields with a heavier libel and a bill to enable the granting of petitions of nature. He is said to be coming to Canada to push but dry string and summer, fields with a right

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timates for the coming fiscal year have been intro-duced, and call for a total vote of \$127,673,9.3. 

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# Canal Projects of Great Magnitude

Press dispatches from across the water on November 12 announced the retirement from public life of Sir Robert Perks, M.P., whose business is digging canals, He is said to be coming to Canada to push forward the canal project known as the Georgian Bay Canal, a work the cost of which is estimated at \$125,000,000, and the time required for construction

Another ambitious canal project that has received recent publicity is proposed by John Armstrong, engineer in charge of surveys for the proposed Hudson's By Railway. Mr Ar.nstrong's suggestions were published last week in the annual report of the federal

He directs attention to the possibility of the con-traction of a canal from Hudson's Bay up the Nelson