

## SEASON'S RESULTS AT EXPERIMENT FARM

### Unfavorable Weather Conditions Make Average Yield Very Low. Frost Caught Much Grain in Boot and Poor Showing in Threshing Result. Dates of Seeding Cause of Damage

BY L. R. BREITHAUPT.  
Nov. 6, 1914—All winter grains came up and made excellent stands in the fall of 1913. The unusually mild winter following resulted in full stands of all the winter grain, even barley and emmer, in the spring of 1914. An unusual amount of moisture had been taken up by the soil during the winter because of the soil having been little frozen. All conditions seemed to give early promise of good yields from the winter cereals. However, the extremely early spring caused early heading of these grains which, as all experienced growers of winter wheat on the valley floors of this county know, increases the risk of loss by the frosting of heads both in and out of the boot in the month of June.

Variety	Actual Yield	Compu'd Yield
Winter Wheat	16.00	13.94
Weisenberg	16.66	13.83
Ghirka	19.33	13.47
Turkey, 1558	12.00	10.30
Turkey, 2223	17.00	12.34
Crimean	9.33	12.08
Pesterboden	13.66	10.81
Belogina	12.33	10.61
Turkey, 2998	14.00	10.60
Alberta Red	14.66	10.32
Turkey, local	15.33	10.27
Deehl's Med.	10.00	9.69
Turkey, local	9.03	9.03
Koffoid	5.66	4.38
Prohibition	4.66	4.27

Upon the occasion of the severe freezing weather on the 4th and 5th of June, very considerable damage was done to all the winter grains and particularly to the winter barleys which were more advanced than the wheats and the emmer. The damage done at this time was increased about two weeks later by another, though lighter frost. Altogether, there was a loss from this source varying from 35 to 80 percent among the varieties of winter wheat and upward of 90 percent of the barleys and emmer. This, of course, since the damage done varied with the location of the plots, makes it difficult to compute comparative yields and really makes the results much less accurate than had the year been normal.

Experiments were made with the harrowing of winter wheat in the spring which resulted in a gain of about .75 bushel per acre for the harrowed land. This is small, yet, considering that the frost hit these plots very hard, it is a gain of about 35 percent in yield which, if it applied to a real yield would mean considerable.

The following results are given and should be taken for what they are worth, bearing in mind the conditions under which they were obtained. Yields are given in the order of the highest computed yields. By computed yields, is meant a comparative yield of all the varieties grown, as obtained by use of "check

plots" for determining the variation from the average in soil etc under which each variety grew. Yields given in bushels per acre.

**FRIEND OF THE PRODUCER**  
**Burns Meat Market**  
and  
**Packing Plant**  
**BACON, HAMS and LARD**  
**Fresh Meats, Poultry**  
Home Products for Home Consumers  
SPECIAL INDUCEMENTS OFFERED  
TO SHEEP MEN AND BIG ORDERS

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**The Rexall Drug Store**  
We have the following brands:  
**Gato, Optimo, La Gamita, Triumph, Chancellor, American, El-Sidelo, Don Antonio, Muriel, and also a full line of popular 5 cent Cigars.**  
We can also supply your wants in  
**PIPES, CIGARETTES, CHEWING AND SMOKING TOBACCO**  
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**The Burns Hospital**  
**MRS. ETTA CUMMINS, Prop.**  
Best Surgical Room and Equipment  
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Nice Rooms, Good Care and Comfort for Patients--Reasonable Terms  
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yet be possible that spring seeding of winter wheat will be found practicable for seasons that permit seeding by the first of March. Late spring seeding of any winter grain is sure to fail.

### LATEST DEVELOPMENT LEAGUE NOTES

(From Our Portland Correspondent)  
One of the industries of Oregon which has an opportunity to make a special growth at this time, owing to war conditions in Europe, is the flax industry. Dr. B. A. Pierce, chairman of the Oregon flax committee, has recently written to the promotion department of the Portland Commercial Club inviting its participation in this movement. He calls attention to the fact that the known flax producing area of the world is comparatively small; that under present conditions it is unlikely that any considerable amount of flax will be raised in Belgium, Ireland of Russia and that it will devolve upon the United States to furnish the greater part of the fiber needed within the next few years. It is well known that the Willamette Valley and other parts of Oregon can produce flax fiber equal to the very best European product and he believes that this is Oregon's opportunity to attract the attention of the world by her flax production. In the vicinity of Salem it has been demonstrated that one acre of flax will produce from 500 to 600 pounds of clean fiber which at present prices should make this crop as profitable as anything the farmers can raise.

Within the last few days steps have been taken to build an electric line between Astoria and Seaside. It is believed that the necessary right of way can be secured practically without cost and that work on the line will be commenced within a short time.

The First National Bank of Canby opened for doors for the first time last week. The bank is financed by officers of the Canby State Bank and other residents of Clackamas County.

Eugene is going to build a new Armory and bonds for that purpose to the amount of \$25,000, running ten years, were sold last week at par with accrued interest.

J. B. Euton, a cattle buyer from Texas has been visiting various portions of the Willamette Valley recently buying cattle for shipment to Texas. Shipments of butter to Chicago and cattle to Texas would indicate that Oregon's position as a dairy county is becoming well established.

The milk condensery at Newburg has resumed operations after having been temporarily closed on account of fire. It is taking all the milk from about 1000 cows, sending its wagons into the country for a distance of ten miles. It disburses an average of \$5000 per month to the farmers and dairymen.

### Catholic Church.

1. On Sundays and Holy days of obligation Holy Mass with sermon at 10 a. m.
  2. On week days Holy Mass at 6:30 a. m.
- All other services, besides those mentioned above will be announced in church.  
All invited and welcome to the divine services.  
Sick-calls promptly answered at anytime. Religious information and instructions willingly imparted at the Franciscan Residence.

### Dependancy Due to Indigestion.

It is not at all surprising that persons who have indigestion become discouraged and despondent. Here are a few words of hope and cheer for them by Mrs. Blanche Bowers, Indiana, Pa. "For years my digestion was so poor that I could only eat the lightest foods. I tried every thing that I heard of to get relief, but not until about a year ago when I saw Chamberlain's Tablets advertised and got a bottle of them, did I find the right treatment. I soon began to improve, and since taking a few bottles of them my digestion is fine." For sale by all dealers.

Dry cleaning and pressing at the Burns Store.

## COMPLETE RETURNS OF NOV. 3 ELECTION

### Official Count Made Last Monday Did Not Affect General Results Unless Possibly Death Penalty, Which is Very Close in State. Withycome Carries Harney County by 13

County Clerk Huguet, assisted by Justices Patterson and Hoffeditz officially canvassed the election returns last Monday and the total vote on the several candidates and measures follow:

REPRESENTATIVE IN CONGRESS.

Geo. L. Cleaver, prohi	430
Sam Evans, dem	557
N. J. Sinnott	940
U. S. Senator—	
R. A. Booth, rep	350
Geo. E. Chamberlain, dem	815
William Hanley, prog	939
B. F. Ramp, soc	132
H. S. Stine, prohi	40

STATE

Governor—	
F. M. Gill, prog	53
Will E. Purdy, non-par	20
C. J. Smith, dem	917
W. J. Smith, soc	211
W. S. U'Ren, ind	55
James Withycombe, rep	930
For State Treasurer—	
Thos. B. Kay, rep-prog	1124
B. Lee Paget, dem-prohi	655
B. J. Sloop, soc	226
Justice of the Supreme Court—	
Henry J. Bean, rep-prog	898
Henry L. Benson, rep-prog	864
C. J. Bright, prohi	301
T. H. Crawford, dem	681
Wm. Galloway, dem	616
Lawrence T. Harris, rep-prog	682
Addison G. Hotchkiss, soc	216
Thomas A. McBride, rep-prog	738
Chas. H. Otten, soc	194
Wm. M. Ramsey, dem-prohi	392
David Robinson, soc	201
W. T. Slater, dem	478
Attorney General—	
George M. Brown, rep	964
J. E. Hosmer, rep	238
John A. Jeffrey, dem	725
Wm. P. Lord, prog	112
Supt. of Public Instruction—	
A. H. Burton, prog-prohi	310
J. A. Churchill, rep-dem	1324
Flora I. Foreman, soc	279
State Engineer—	
John H. Lewis, rep-dem	1522
Commissioner of Labor Statistics and Inspector of Factories and Workshops—	
O. P. Hoff, rep-dem	1397
Stanfield MacDonald, prog	194
August Nikula, soc	261
Commissioner of the Railroad Commission of Oregon—	
Frank J. Miller, rep-dem-prog	1545
I. O. Peurala, soc	279

### In Support of Disc Plow.

BY L. R. BREITHAUPT  
Kindly do not remember this discussion as an attack upon the time honored moldboard plow for, in its proper sphere, there is no better plow than a properly constructed moldboard. However, out of its sphere, it is to blame for much woe to man and beast and in support of the implement that is capable of alleviating most of this woe, I wish to write.

The disc plow comes in for more than its proper share of ridicule for the reason that its proper use is not understood by enough farmers. And too many farmers do not use it properly after they have become convinced that there is a place for it.

When it comes to plowing land that is interspersed with sticky "slick spots" or is naturally so sticky that a moldboard plow will not scour, it is sad to see men and horses working so hard to only "root" the ground up in about the same fashion that was accomplished in primitive times with a crooked stick and a yoke of oxen. A disc plow will plow such land without trouble.

And, when it comes to plowing dry ground of any kind it is sad to see this shallow "rooting" being done with the moldboard plow, when the disc plow would do a good deep job of real plowing, with about the same energy expended.

Of course, the disc plow is harder to adjust than the moldboard, but it can be adjusted and made to plow under these adverse conditions. Rather than expect to use less horse power than is used when plowing shallowly with a moldboard, more horses, if anything, should be put on and real plowing done. And the "farmers" should be left on their own as much as a part of the moldboard is.

of the other type; they do the turning.

Most of the plowing in Harney Valley should, of necessity, be done in the fall when the ground is dry. There is too little time in the spring to do much plowing before seeding time and it is mighty poor practice to plow in the spring where the land is to be seeded the same season, anyway. If the plowing is left until spring on this type of land, either the plowing is not done at all and the crop stubbled in in order to get it seeded in time, or the plowing is done at the time that seeding should be going on thus working a double hardship on the crop in that it is seeded on fresh plowing and seeded too late. And it is nearly as advisable—rather indispensable—that land that is to be followed the following summer be fall plowed because it will usually be postponed until after seeding in the spring and late spring plowing is decidedly poorer on the average than either fall or early spring plowing, under dry farming conditions. The disc plow will plow the driest ground and do a good job of it when used intelligently.

### The Horse Market is Becoming Quite Active

Farm Journal: We have so many inquiries for the rule used in estimating approximately the weight of cattle, that we print the following: If an animal girths five feet it will weigh somewhere from 700 to 750 pounds. Every added inch in girth adds twenty-five pounds until you get up to six feet, then add fifty pounds for each inch.

An increased activity in the horse market on the Pacific coast is indicated by the purchase of Klamath county horses by Paul Brunzel, a buyer of Oakland, who spends several months each year in that section, says the Northwest. Thursday Mr. Brunzel will ship two cars of horses and contemplates more shipments later.

"The horse market is getting better every day and I anticipate ready sales for some time yet," said Mr. Brunzel. "I have a big barn in Oakland and another in San Francisco and lately I have made several sales to big department stores. This same condition is true in Portland, where Meier & Frank, one of the largest stores, is buying horses for delivery purposes as fast as their auto trucks wear out.

### Piggish Pigs Profitable.

Greediness is a distinct asset in pigs, and the heavy eaters are more profitable than the light eaters. "It is a pig's chief business to make a hog of himself," says the swine specialist at the Oregon Agricultural College. "If he eats only enough to live, he makes no profit for the owner. Only on what he eats above his needs as a living animal is fat put on his body and money put into his owner's pocket. The extent to which the pig will eat and make good use of his feed is indicated by constitution. A short snout indicates a good appetite, and mild eyes show the good natured inactivity that speaks a good use of the feed. The short broad face that usually goes with a short blocky body is usually associated with easy fattening qualities."

### Possible Changes For The Game Codes

When the next legislature meets it will likely be asked to amend the game code in several particulars. With relation to hunting ducks and geese the code now conflicts with the federal law, the latter providing that the season shall be open from October 1 to January 16, and the state law providing it shall be open from September 15 to February 15.

Another conflict exists in that the federal law provides that migratory birds shall only be killed between sunrise and sunset, while the state law allows them to be killed an hour before sunrise and an hour after sunset.

## CATTLE DISEASE BE- COMES QUITE SERIOUS

### State Veterinarian Lytle Prepares State- ment of Conditions for Information of Governor West. Quarantine in Oregon is Contemplated. Closing Chicago Yards Blow to Market

A late Salem dispatch says: State Veterinarian Lytle called upon Governor West to quarantine Oregon against shipments of cattle from all states infected with the foot and mouth disease. Governor West directed Lytle to prepare a statement of the situation as it exists in order that he might act upon it.

Veterinarian Lytle said that 14 states have so far been infected with the foot and mouth disease, Montana and Iowa being the only ones west of the Mississippi river. Governor West says he will not decide what he will do until after he has read Lytle's statement.

on Mondays. But if the prevalence of the mouth disease forces closing over a period of several weeks the effects must be serious.

"In case cattle prices drop materially there will probably be a cheaper meat supply in the unquarantined production districts, while meat prices will rise in markets normally supplied by the Chicago packers. Thus we are apt to see prices fall for producers and at the same time rise for a large body of consumers.

Receipts for last week at the Portland Union Stock Yards have been cattle, 550; calves, 11; hogs, 3295; sheep, 4608.

Receipts have been so light this week that there has been no test in prices. Most of the offerings are best characterized by the term "near beef," while there has not been any quality stuff offered no doubt well finished steers would bring 6.75 to 7.00.

Hog run has been about 50 percent less than it should have been. Prices were well maintained during the week, bulk of offering going around 7c. The market is finishing strong at 7.10 to 7.15 for best quality porkers.

A light week in the sheep section, all lines maintaining good strong prices. Lambs of good quality are bringing 6.25. Ewes are selling well at 4.50 for tops, wethers remaining at the 5.50 mark.

### Market Report.

Important.  
Bear in mind that Chamberlains Tablets not only move the bowels but improve the appetite and strengthen the digestion. For sale by all dealers.

City Restaurant pays cash for eggs.

Breakfast 5:30 to 9  
Dinner 11:30 to 2  
**City Restaurant**  
W. R. McCuiston, Prop.  
BURNS, OREGON  
Supper 5 to 8  
Short orders at all hours

**The Burns Flour Milling Co.**  
Manufacturers of home products  
**HIGH GRADE FLOUR**  
"CREMO" THE FAMOUS BREAKFAST FOOD  
The Cream of the Wheat, Fresh and Palatable  
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Is The Place to Trade  
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First: Promptness, accuracy and fair dealing.  
Second: We carry a well assorted stock of Drugs, Chemicals and Druggist Sundries.  
Third: We guarantee every article we sell to be just as represented or your money refunded.  
If you are a customer of ours you know this. If not, become one and be convinced.  
**J. C. Welcome, Jr.**