

WINTER WHEAT MAY PROVE GOOD YIELDER

Experiment Station Statistics Show a Good Average and Indications are Favorable Under Right Conditions. Summary of Results Would Put it Beyond the Doubtful Stage

BY L. R. BREITHAUP, SUPT.
December 6, 1915.

The season of 1915 was more favorable for winter wheat than usual the average results from this crop to date have been as good as from any other cereal. On the hill lands and that portion of the valleys which is usually protected with snow during the winter, winter wheat may be grown to very good advantage and will probably be as high a yielder as spring wheat on the average. The following yields are taken from the varietal test. Seventeen additional varieties are omitted from the table on account of their yields being much less than the Turkey Red. The yields are given in the order of highest actual yield, in bushels per acre, an "i" indicating that only one plot of the variety was grown while the others are averages of two more plots.

Deehl Med.*	31.33
Turkey Red 1558	30.66
Turkey Red I.S.G.	29.43
Crimean	28.85
Turkey Red 2998	28.10
Turkey Red 2223	27.33
Turkey Red F. D.	27.20
Karkov	27.10
Beloglena*	27.00
Pesterboden*	27.00
Alberta-Red*	26.33
Ghirka*	25.00
Weisenberg*	20.00

Turkey Red 1558 has been the highest average yielder for the past three year trials.

In the rates of seeding test the results, as shown below, are in favor of the 45 pound rate, tho, when the value of the extra seed is considered, this is not quite so evident as the tables indicate. In former trials, the advantage has been in favor of the lighter rates, 15 pounds being best in 1914 and 30 in 1913.

Lbs seed per a.	Yield bus. per a.
15	28.16
25	27.66
30	29.00
45	29.66
60	28.66
75	28.33

120	25.66
15 (rows, cultivated)	27.66
30 (" ")	30.16

A test of spring harrowing winter wheat resulted as shown below.

Ave 3 plots harrowed	30.2 bu. per A.
Ave 2 plots not harrowed	29.33 bu. per A.

In a test of the date of seeding winter wheat in which both fall and spring seeding was done, the following yields were obtained.

Sept. 5, 1914	35.33 Bu. per A.
Oct. 6, 1914	30.66 " " "
Mar. 20, 1915	12.50 " " "
Apr. 5, 1915	2.16 " " "

Summarizing these results with results from former years, it is doubtless true that winter wheat is destined to be grown to a large extent in this part of the State, especially upon hill and valley land which is protected in the winter by snow; the hardest and best yielding varieties seem to be of the Turkey Red group of which C. I. No. 1558 has so far given greatest promise; from 15 to 45 pounds of seed per acre seems to be ample and 30 pounds is probably the best average rate, harrowing the crop in the spring may be of advantage; and the date of seeding should be early in September if the soil contains sufficient moisture to germinate the seed. Otherwise it is safest to wait for rain, tho, "dusting" the seed in is often practiced. Spring seeding on dry land has not been very successful with winter wheat in the past two year trials.

Owes Her Good Health to Chamberlain's Tablets.

"I owe my good health to Chamberlain's Tablets," writes Mrs. R. G. Neff, Crookston, Ohio. "Two years ago I was an invalid due to stomach trouble. I took three bottles of these tablets and have since been in the best of health." For sale by all dealers.

Fresh fish and oysters for sale at Mac's Restaurant.

Animal Husbandry at Winter Short Course

BY E. D. ROSEMAN
A thorough understanding of live stock conditions as they actually exist in the State is a thing of vital value to the animal husbandman. The animal husbandry work during the Winter Short Course at Corvallis from January 10 to February 4, 1916 has been planned with a view to giving students such an understanding. There are but five men in this department at the College but each is a specialist, an authority along his particular line, and these men will give plain, hard, cold facts about the live stock industry which will enable those present to draw their conclusions and formulate their own plans. The work will include pertinent suggestions as to the various ways in which existing conditions can be improved. "We make no claims whatever that we can run other people's business better than they can themselves," says Professor Potter, "but we do claim that in our work here we have gathered together a considerable quantity of information of various sorts which any farmer or stockman can put to splendid use in his every-day business."

Eggs Notes.

Antone Egli has taken many of his cattle, to his large hay ranch at Paisley, for the winter.

T. S. Hames has been assisting Mr. Costello of Dry Valley, to build a new house.

Mr. Snore and family have moved into the Hensen place so their two little girls could attend school.

Wm. Burgett and niece Anna Graves spent Thanksgiving at Buck Creek.

Clyde Love has gone to Portland for the winter.

Carl Hanson, of Davenport, Washington, is spending a few weeks with W. E. Redeman.

Miss Alice Hurlburt spent Thanksgiving with her parents near the O. O. ranch.

Saturday night, Dec. 4th, there was a dance at Wm. Burgett's.

December 23rd there will be a Christmas tree and program at the school house. Everyone is cordially invited.

Ross Banks has moved into the Smith house so his two small brothers and a sister may attend school.

W. E. Redeman has been doing some road work near his place.

Dec. 6th there was an election to determine expenses for the ensuing year.

Library Club.

A very interesting meeting was held by The Ladies Library Club at the home of Mrs. Benson on Nov. 27, Subject Art.

"Some Famous Paintings with a talk on 'How to Judge a Picture,' a very excellent paper prepared and read by Mrs. Benson was much enjoyed as was also a select reading on 'Modern Art' by Mrs. Huston, an instrumental selection 'Melody of Love' by Mrs. Sutton was loudly applauded and proved that the lady is as great an artist on the organ as on the piano. The Club will hold its next meeting at the home of Mrs. Maria Kelley, Dec. 11.

Sumpter Valley Railway Co.

Arrival and Departure Of Trains

Departs	No. 2, Prairie	10:15 A. M.
	Sumpter	2:35 P. M.
Arrives	Baker	4:00 P. M.
Departs	No. 1, Baker	8:30 A. M.
	Sumpter	10:05 A. M.
Arrives	Prairie	2:10 P. M.

No. 1 Makes good connection with O. W. R. & N. Co. No. 4 (Fast Mail) leaving Portland 6:30 P. M., arriving at Baker 7:55 A. M. and No. 17 from east arriving Baker 6:50 A. M.
No. 2 connects with No. 5 (Fast Mail) arriving at Baker 7:55 P. M. which picks up Pullman at Baker, arriving at Portland 7:00 A. M. Also with No. 18 at 6:45 P. M. for points East.

WILL BUILD RAILROAD LINE DIRECT TO BURNS

Robert E. Strahorn Meets With People After Looking Over Country and States Conditions Under Which he Will Make Line From Gap Part of General System Planned for Interior

Robert E. Strahorn, promoter of the railroad lines that are intended to cover a large area of the Central Oregon country and make it contiguous to Portland in the most direct way, authorized the executive committee of the Burns Railroad Club to announce that he would be willing to begin construction from a point at Crane Creek Gap and build a line to Burns as a part of his lines, provided certain conditions were met. He would not build this line independently but it is to be a part of the through line and on condition that a feasible grade may be found over Sage Hen and the necessary additional money was raised to build together with right of way and proper terminal grounds were secured.

Mr. Strahorn told a large gathering of people of this vicinity at the court house last Tuesday night that Burns could be placed on the main through line of a transcontinental railroad if we get together and the details could be worked out.

Mr. Strahorn talked to the point and gave his hearers just what he could and would do provided everything came out as outlined. He told them of the possibilities and put before them the critical situation under which Burns is placed under existing conditions. Mr. Strahorn further told them that he could not accomplish the results desired without active co-operation not only of the people of this section but the entire state, Portland and Central Oregon and every section effected by the proposed rail lines he is promoting must do its share before he could possibly induce the necessary capital to be supplied to complete the lines he is promoting.

H. M. Horton presided at the meeting and the court room was well filled with people who are anxious to secure railroad transportation. Dr. Horton introduced Mr. Strahorn with a few preliminary remarks and the gentleman was given quite an ovation when he arose to talk. He stated he had come here to personally investigate the territory especially between Burns and Crane Creek Gap and found that a line from the Gap to Burns was not at all difficult and could be constructed at a small cost and with a feasible route over Sage Hen to Silver Creek it would be a practical way of connecting to the west and made a part of the through line. However, there were conditions to meet. He must have more money for this

route and the route over Sage Hen he found practical. Mr. Strahorn frankly said he did not know positively of this route as his engineers had not yet been able to go over the ground. The condition of this change of plans so far as it effects this immediate territory is that it will be necessary that at least \$225,000 be taken in stock in the line instead of the \$100,000 as originally planned.

In discussing this particular territory Mr. Strahorn compared Burns as being to Oregon what Boise is to Idaho and said with positiveness that such was possible as we had a big territory to draw from the north and east. He said this was a matter for men to determine as such depended upon the character and hustling ability of the business men. He said Burns was the most isolated town of the entire proposed system of railroads that he has under consideration. Bend Lakeview and Klamath were all provided with railroads at this time, yet these towns were ready to come in and assist in the general scheme of bringing about better transportation facilities for the big interior country.

Mr. Strahorn explained his position in the proposed plans; that he did not have a dollar invested in the state, his home being in another state, but he had followed construction work practically all his life and this had been urged upon him. He is not doing this in the interest of any railroad company and pointed out the mistakes of the big systems in the past in paralleling each other and the utter foolishness of considering such a move.

In explaining the necessity of local interest in the promotion Mr. Strahorn stated that the greater number who could be induced in taking an active part brings about a more concerted community and with a large amount of the stock together with right of way and terminals create an equity upon which he can go to eastern money centers and secure the balance necessary to complete the project.

He called attention to the property interests of men who had spent their life time in building up and the possibility of either adding to the value of this or its deterioration under conditions that might come about. Old time people who had not been in a community of hot competition are apt to get into a rut and fail to discern advantages. Portland is not going to take the lead in this matter and subscribe as liberally as we think. That is the way Mr. Strahorn has the matter summed up. He realizes that Portland is vitally interested and that it means much in a business way to that city, yet the business men there have many problems to face and work out that are of importance to them and they will naturally look to the part that is to be directly benefitted to take active lead.

In closing his remarks Mr. Strahorn told those present that there were three important things for us to consider in connection with this enterprise: First—Immediate and aggressive prosecution of the completion of irrigation and drainage projects and colonization of the lands. Second—Supreme efforts in assisting in financing the railroad lines. Third—Acquiescence in liberal rates in order that the lines may be placed upon a paying basis at once.

Assessor James Donegan was called upon by the presiding officer to give some few remarks and responded with a sparkling talk of a few minutes in which he brought out the easy manner Mr.

COMPLETES INSTALLATION OF NEW SYSTEM

Juntura-Burns Telephone & Telegraph Co. put Common Battery Device in Operation on the Local Exchange. Company has 270 of Standard Toll Lines With Outside Connections

During the last six months the Juntura-Burns Telephone and Telegraph Company has been carrying on considerable work in connection with their lines already constructed, and preliminary to the installation of their common battery system in Burns. By common battery is meant that all batteries in subscribers' telephones are done away with, and with one large battery at central office, subscribers are permitted to call central by removing the telephone receiver from the hook instead of turning the crank of the bell.

While this system is not by any means new, the apparatus employed is of the latest and most modern type, which will give Burns the best telephone service possible. The removing of the telephone receiver from the hook causes a miniature electric light to glow at the office. The operator then inserts a plug in hole commonly called "spring Jack," which extinguishes the light.

She then presses over a small key associated with the plug she inserts which connects her telephone with the subscribers. Also associated with the connecting plug are two small red electric lamps. The function of these lamps is to show when the subscriber has answered, and when he is through. When subscriber is talking, they are out. When he hangs receiver on hook, they glow, indicating that conversation is through. Working the hook up and down slowly at the subscriber's station flashes these lamps and attracts the operator's attention, if another call is to be made immediately.

The ringing current is most unique, and is known as the harmonic type. Machines are tuned up to produce four different frequencies of current, which in conjunction will bell, having different reeds it is possible to select the party desired without disturbing other subscribers.

The equipment was installed under the personal supervision of James E. Weston, general manager of the company. Mr. Weston is a thorough telephone man, having taken a two year course in electrical engineering at the Columbia University of Missouri, later taking a one and one-half years course at the Washington University of St. Louis. Mr. Weston states he is now in a position to render a telephone service second to none, and that he has ample facilities to take on new subscribers promptly, and cordially invites present and prospective subscribers to visit the exchange to see the new system in operation.

Besides the modern and up-to-date equipment at Burns the company has about two hundred and seventy miles of standard toll lines constructed on which are strung a total of six hundred miles of wire. They have connections at Vale, Oregon, with the Mountain States Telephone and Telegraph Company, also exchanges at Juntura and Riverside and a switching station is to be installed at Albritton to take care of lines radiating from that point of the valley.

Are Your Taxes Delinquent.

The court of this county has entered an order to the sheriff to issue delinquent certificates on all delinquent taxes at once. He is going to comply with this order and issue certificates on all delinquent taxes from 1909 to 1914. If you have failed to pay you should at once attend to the matter and save additional cost.

W. A. GOODMAN, Sheriff.

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

Because it has established reputation won by its good works. Because it is most esteemed by those who have used it for many years, as occasion required, and are best acquainted with its good qualities. Because it loosens and relieves a cold and aids nature in restoring the system to a healthy condition. Because it does not contain opium or any other narcotic. Because it is within the reach of all. It only costs a quarter. For sale by all dealers.

Mr. McConnell was asked to give some information in respect to the irrigation possibilities in the territory. Mr. McConnell has had the irrigation and drainage schemes of this Valley under consideration for some time and has amassed much data covering the details. He is confident, and statistics gathered from accurate records bear him out, and 120,000 acres can be brought in under the Silvie's irrigation scheme with every assurance of plenty of water every year. He gave figures on crop reports taken right from the threshing machines to show what the average yield under irrigation is and the area now covered. He pointed out the many hundred of acres now submerged during the flood time that was practically worthless so far as diversified and profitable crops are concerned until the water was properly handled.

Mr. McConnell called attention to the efforts of local water users (Continued on page two)

Why You Should Use Chamberlain's Cough Remedy.

Because it is most esteemed by those who have used it for many years, as occasion required, and are best acquainted with its good qualities. Because it loosens and relieves a cold and aids nature in restoring the system to a healthy condition. Because it does not contain opium or any other narcotic. Because it is within the reach of all. It only costs a quarter. For sale by all dealers.

Because it has established reputation won by its good works. Because it is most esteemed by those who have used it for many years, as occasion required, and are best acquainted with its good qualities. Because it loosens and relieves a cold and aids nature in restoring the system to a healthy condition. Because it does not contain opium or any other narcotic. Because it is within the reach of all. It only costs a quarter. For sale by all dealers.

O. A. C.

FARMERS' AND HOME-MAKERS' WEEK and RURAL LIFE CONFERENCES January 3 to 8, 1916

Live information, practical help for the Home. The Farm, the Community. Conventions of Oregon's Greatest Industries. Conferences on Oregon's Most Vital Problems. LECTURES—DEMONSTRATIONS—EXHIBITIONS—ENTERTAINMENTS. Two thousand people attended last year. It is a great place to make friends—with live thinkers and live thoughts, good workers, and good work.

WINTER SHORT COURSE January 10 to February 4, 1916. A Practical Agricultural Course in a Nut Shell. Applied Science in Actual Work of the Farm and Household.

Courses in FRUIT RAISING, FARM CROPS, SOILS, STOCK RAISING, DAIRY WORK, POULTRY RAISING, GARDENING, COOKING, SEWING, HOUSEHOLD ARTS, HOME BUILDING, BUSINESS METHODS, ROAD BUILDING, FARM ENGINEERING, RURAL ORGANIZATIONS, MARKETING.

Correspondence Courses Without Tuition. Expert Instruction in House. Reduced railroad rates. For program write to The College Exchange, Oregon Agricultural College, Corvallis. (19-21-16)

To be Given Away AT THE WELCOME PHARMACY Every Saturday at 3 P. M. ONE ALUMINUM SET Be sure and bring your coupons—you may be the lucky one..... The one having the number nearest to the number under the seal will be the winner

Breakfast 5:30 to 9 Dinner 11:30 to 2

Mac's Restaurant & Bakery

Located in the new Levens Building BURNS, OREGON
W. R. McCuiston, Prop.
MENU SUNDAY, DEC. 12, 1915

Oyster Soup

Half Spring chicken, fried to order.....50c.
Eastern Oysters, any style.....50c.
Cracked Crab.....50c.

Fried Columbia River Salmon.....35c.
Fresh fried Halibut.....35c.
Silverado Smelt.....35c.
Stewed Clams.....35c.
Roast spring turkey and cranberry sauce.....50c.

Roast beef and brown gravy.....35c.
Roast pork and apple sauce.....35c.

Mashed potatoes String Beans Pickled Beets
Crabs salad
Apple and Lemon Pie

Tea, Coffee, Milk

Supper 5 to 8 Short orders at all hours

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The Rexall Drug Store

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A finer line of presents than ever! You'll make no mistake in giving a nice piece of jewelry to your friend or relative. There are no substitutes that will take the place of a brooch, lavallier, ring, watch, or any other piece of jewelry that is an appropriate Xmas present.

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BAKES BEST BREAD

Made From New Wheat : : : Every Sack Guaranteed Quality Right Prices Right Special Rates to Buyers in Quantity Lots. See Your Merchant, the Mill or Mr. Huston

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