

EXPERIENCE WITH WHEAT.

Conclusions From Field Tests in Ohio. The results of field tests covering twelve years' work upon the farm of the Ohio agricultural experiment station at Wooster show the twelve heaviest yielding varieties to be, in the order named, Monty, Gypsy, Improved Poole, Poole, Early Rippe, Nigger, Valley, Mediterranean, Perfection, Red Wonder, Nixon and New Monarch.

The average weight per measured bushel is a fair index of the plumpness and grade of wheat. The varieties standing highest in this regard are, in order, Red Wonder, Nixon, Improved Fulcaster, Fulcaster, Hickman, Gypsy, Diamond Grit, Mediterranean, Nigger, Deitz, Valley, Boarded Monarch and Futz, all red grained wheats.

The twelve testing lowest, beginning with the lowest, are Rural New Yorker No. 6, Forty Fold, James Square Head, Early Arcadian, New Soles, Gold Coin, New Columbia, International No. 1, Stanley, Giant Square Head, Smith's Rust Proof and Mealy.

Ranking the above varieties as regards both yield and quality as shown by weight per bushel, giving sixty points to yield and forty points to weight, the ten standing highest, in the order of their merit are Gypsy, Red Wonder, Early Rippe, Improved Poole, Nigger, Nixon, Poole, Valley, Mediterranean and Mealy.

Thick and Thin Seeding. Eighteen different tests with five different varieties of wheat—the Valley, Rudy, Poole, Futz and Mealy—extending over ten years' work, show a gradual increase from 14.35 bushels, grown from three pecks of seed, to an average of 21.58 bushels, from nine pecks of seed. In eight of the eighteen tests ten pecks gave a larger yield than a less amount of seed, and in only one test of the eighteen did six pecks give the largest yield.

Early and Late Seeding. Seedings of wheat have been made at intervals of seven days from Sept. 1 to Oct. 27. The largest yields on the average have come from seedings made Sept. 22 and the next largest yields from Sept. 15. Two seasons when the Hesolan is practically ruined wheat in Ohio, 1900 and 1901, Sept. 27 and Oct. 5 gave the best yields.

Old Versus New Seed. Germination tests of wheat one to six years old show that when one year old will germinate as well as new wheat and that even two-year-old wheat, if of good quality, would better be used than inferior seed whose only virtue is that it is new.

This Season's Late Harvest. The extremely late harvest this year has been favorable to rust, and wheat is of low grade as well as of light yield. Large yields and high weight per measured bushel have usually been associated.

The Boom in Wheat. Wheat has advanced over 30 cents a bushel since the upward movement began last June. Disappointment in the winter crop and later threatened actual disaster to the spring crop have been the main factors that have lifted prices above \$1.10 per bushel. As to the spring crop, not enough is definitely known at this writing to allow an estimate that will be worth anything. Many reports indicate that there will be no wheat over a large section of the northwest. Authorities estimate the shortage at 20 to 25 per cent. Certain it is that the people of the northwest have been buying wheat for speculation very liberally, evidently believing that it will be good property by the time another harvest is here. Even if the conservative estimates of the damage are correct this country will have little wheat to export. And it will probably need little. The foreign buyer is a long looker at the price, and with wheat at \$1.10 in Chicago he will buy no more than he has to have. The price will cut a big figure this year in the sufficiency or lack of supplies, as it will restrict exports and probably home consumption too.—National Stockman.

Antenna in the Orchard. Use Paris green or lead arsenate whenever the fall cankerworms and the tent caterpillars show themselves. For very large trees use sticky bands around the stems to prevent the cankerworms crawling up.

Destroy the fall cankerworms as soon as seen and, if necessary, spray with one of the arsenical poisons.

In case of maggots destroy all infested apples by pasturing hogs or sheep in the orchards. Let chickens have the run of the orchard and they will pick up a large number of the pupae.

Carry apples out of the orchard as soon as picked, and avoid, if possible, storing them where flies from maggots in them can get back into the orchard the following spring.

Dig out the borers or kill by inserting a flexible wire into their burrows.

Notes From the Farm Journal. Diligence is the mother of good luck. September sun should never shine on hope.

There's lots of cheap pork in green sugar corn fodder.

Try sowing some clover with the timothy this fall.

Remember that boys get tired sooner than men.

Save all the nibbins of time from now on. They will all come in play before snow flies.

Never dig potatoes when the ground is wet. It may try your patience to wait, but it is best to do it.

Begin gathering in the ends for winter. It is on the way, and we must look ahead and plan for it. Trains may not make their schedule time. The seasons upon this old earth of ours all ways do.

SAVES TWO FROM DEATH.

"Our little daughter had an almost fatal attack of whooping cough and bronchitis," writes Mrs. W. K. Haviland, of Armonk, N. Y., "but when all other remedies failed, we saved her life with Dr. King's New Discovery. Our niece, who had Consumption in an advanced stage, also used this wonderful medicine and to-day she and lung diseases yield to Dr. King's New Discovery as to no other medicine in earth. Infallible for Coughs and Colds, 50c and \$1.00 bottles guaranteed by Morgan & Brehaut. Trial of this free.

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NOTICE FOR PUBLICATION.

Department of the Interior, Land Office at Roseburg, Oregon.

September 30, 1904.

Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before J. J. Walton, U. S. Commissioner, at his office at Eugene, Oregon, on November 15, 1904, viz: H. E. No. 9520, Mrs. Anna Dennie, deserted wife of Clarence E. Dennie, entryman, for the W^{1/2} NW^{1/4}, NE^{1/4}, SW^{1/4}, NW^{1/4}, NE^{1/4} Sec. 22, T. 19 S., R. 4 E., Oregon.

He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz: Albert W. Scherger, Thomas J. Moxley, Marion Hager and William Hager, all of Croswell Oregon.

J. T. BRIDGES, Register.

NOTICE FOR PUBLICATION.

United States Land Office, Roseburg, Oregon, Sept. 16, 1904.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

EDWARD THOMPSON of Saginaw, County of Lane, State of Oregon, has this day filed in this office his sworn statement No. 6419 for the purchase of the Lots No. 4, 7, 10 and 15 of Section No. 6, Township 20 South of Range 1 West and 1100 East of the 3rd Meridian, in the said county and State, and that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Roseburg, Oregon, on Monday the 5th day of December, 1904.

He names as witnesses: John Edmonds, Palman Valentine, Andrew Saltzman and Ansel Wood all of Saginaw, Oregon.

Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 5th day of Dec., 1904.

J. T. BRIDGES, Register.

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Note—June 7th has been authorized as a sale date for Louisiana Purchase Exposition tickets, in addition to sale dates previously announced for June. This will enable purchasers of tickets to be at the Exposition on Oregon Day June 15th.

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W. O. W.
Bohemia Camp No. 260. Meets every Saturday night.
C. H. Van Denburg, Clerk.

M. W. of A.
Cottage Grove Camp No. 6424. Meets first and third Tuesday nights.
C. W. Wallace, Clerk.

F. of A.
Court Bohemia No. 33. Meets every Friday night.
S. E. Lauder, Secty.

Women of Woodcraft.
St. Valentine Circle, Meets 1st and 3rd Tuesdays.
Mrs. C. J. Miller, Clerk.

Royal Neighbors.
Emma Colburn Camp, Meets 2nd and 4th Wednesday.
Ethel Bisby, Clerk.

K of P
Juventus Lodge No. 48. Meets every Wednesday night.
Dr. George Wall K. of R. S.

G. A. R.
Appomatax Post No. 34. Meets 2nd and 4th Saturday.
H. C. Dutton, Adjutant.

K. O. T. M.
Cascade Camp No. 66. Meets Thursday nights.
Prof. A. L. Briggs, Secty.

L L Hive No 42
Meets 2nd and 4th Tuesday
Mrs. E. Fullmer, R. K.

M B A
Meets every 2nd and 4th Mondays.
S. E. Lauder, Secty.

Order Eastern Star
Cottage Grove Chapter No 4
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No. 1—No 1	1 and Daily Ex-cept Sunday.	No 2—No 2
P. M.—A. M.	STATIONS.	P. M.—A. M.
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