

Smut Control Discussed in New O. S. C. Bulletin

More general use of the combine harvester is helping a great deal to eliminate the danger of soil-borne smut infection in Oregon grain fields, reports Roderick Sprague, federal pathologist stationed at Oregon State college, in a new experiment station bulletin No. 363 entitled "Controlling Seed-Borne Stinking Smut of Wheat by Disinfectants."

The bulletin records experimental results obtained with smut control from 1934 to 1938. The conclusion is that the best protection for seed-borne smut is the use of improved cerasan, 1-2 to 3-4 ounces per bushel, or the use of one of the copper dusts. Effective copper dusts are 52 per cent copper carbonate, 50 per cent, basic copper sulphate, or 26 per cent copper fungicide, at 3 ounces per bushel for winter wheat or 2 ounces per bushel for spring wheat.

Experiments were conducted to see if storage of wheat after treatment had any effect on control or on germination. Seed treated with the copper dust apparently can be stored for any length of time without loss of effect, or lowered germination. Seed treated with the new improved cerasan, however, gave increased stands over the untreated seed if the grain was seeded a few days after treating. After six weeks there was only a slight loss of stand with this treatment, but after a year in storage grain so treated needed to be seeded about 10 per cent thicker than normal.

It is best to treat the new Rex, Ridit, or other smut-resistant varieties of wheat in order to reduce loss from smut and winter injury attributed to late smut infection, according to the experiments conducted by Sprague.

The bulletin contains separate detailed recommendations for handling smut control in eastern and western Oregon.

Road Body Adopts Formula of OSC Grad

Oregon State College—The federal Public Roads administration has adopted "A Solution for Laying Out Spiral Curves for Highways" worked out by Orville Kofoid, a recent O. S. C. graduate in civil engineering. An article by Kofoid on this subject appeared in Western Construction News where it attracted the attention of the chief of the division of design who said one formula in

it appeared to be simpler than any developed previously.

This is exceptional recognition of independent work by the federal bureau, says C. A. Mockmore, head of the civil engineering department here, as the PRA seldom goes outside its own highly trained staff for its methods.

Clubbers Striving For Bank Trip

Striving to win the trip to the Pacific International Livestock exposition in Portland this fall, sponsored by The First National Bank of Portland, 4-H club members of Morrow county are completing special projects and preparing entries for county and state 4-H competition. As for the last three years, choice of the boy and girl from each county in Oregon for this three-day visit in Portland will be based on outstanding leadership and achievement in 4-H club work.

According to local 4-H club leaders, the reports of last year's trip brought back by Guy Moore and Lucille Darlene Jones, winners of the 1938 awards from this county, have heightened the competition to fever pitch. The trip includes daily visits to the exposition grounds, sight-seeing in Portland and special entertainment by the state-wide bank, which pays all transportation and expenses. Last year 74 boys and girls of Oregon enjoyed this visit to Portland and the same number is expected this year.

H. C. Seymour, Oregon 4-H club director, has again been appointed general chairman of the judging and awards. Local judges will be the county agent, county superintendent of schools and B. C. Pinckney, manager of the Heppner branch of the First National Bank of Portland. Dates for the visit this year are October 11, 12 and 13.

POLL GIVES SITUATION

Washington D. C., Sept. 13—Survey of the presidential situation by a national magazine, the poll taken among congressmen shows 44 per cent predicting Vandenberg's nomination; 22 thought it would be Taft, and 12 per cent said Dewey. Republican runners up—were Bridges of New Hampshire, Martin of Massachusetts, and McNary of Oregon. For the democratic nomination 43 predicted Roosevelt; 13 per cent said Garner, with 9 per cent for Hull. Democratic runners-up: Farley, McNutt, Hopkins, Clark of Missouri.

Paul Smouse of Ione underwent a tonsilectomy at a local physician's office Tuesday.

Home Economics 4-H Club Winners

Clothing I, Division A (for 9- and 10-year-old girls)—Dorothy Cutsforth, Lexington, first; Jo Ann Graves, Heppner, second.

Clothing I, Division B (for girls 10 to 12 years old)—Audrey Majecke, Lexington, first; Majo Marquardt, Lexington, second; Mildred Carlson, Ione, third; Roberta Miller, Lexington, fourth; Betty Baker, Ione, fifth; Dorothy Bergstrom, Ione, sixth; Eunice Peterson, Ione, seventh; Lorine Van Winkle, Lexington, eighth.

Clothing II, Division A (girls 12 to 14)—Jean Rauch, Lexington, first; Mildred Clary, Hardman, second; Doris Worden, Eight Mile, third; Kingsley Chapin, Heppner, fourth; Marcella Jackson, Lexington, fifth; Rae Cowins, Lexington, sixth; Neta Bleakman, Heppner, seventh; Marjorie Peterson, Ione, eighth.

Clothing III, Division A (Girls 13 to 15)—Margaret Tamblin, Heppner, first; Vera McDaniel, Hardman, second; Claudine Drake, Heppner, third; Ann McIntyre, Hardman, fourth; Ellen Hughes, Heppner, fifth; Eunice Osmin, Heppner, fifth; Juanita Byers, Hardman, seventh.

Clothing IV, Division A (Girls 14 and over)—Mary McIntyre, Hardman, first; Edna Stephens, Hardman, second.

Bachelor Sewing (For Boys)—Cecl McDaniel, Hardman, first; Norvin Adams, Hardman, second; Lewis Carlson, Ione, third, R. D. Allstott, Eight Mile, fourth.

Cookery, Division I—Rosetta Healy, Echo (Pine City), first.

Cookery, Division II—Harriet Helms, Echo (Pine City), first; Laurel Ball, Heppner, second; Wilma Beymer, Heppner, third; Florence Beymer, Heppner, fourth; Vada Gammell, Heppner, fifth; Kathryn Howell, Heppner, sixth.

Canning, Division II—Helen Healy, Echo (Pine City), first.

Demonstrations: Clothing—Subject: Laundering fine under garments—Mildred Clary and Vern McDaniel, Hardman, first. Award: Scholarship for the 1940 4-H Club Summer School for each girl.

Judging Teams—Ann McIntyre and Vera McDaniel, Hardman, first; Margaret Tamblin and Ellen Hughes, Heppner, second; Jean Rauch and Rae Cowins, Lexington, third.

Style Revue: Clothing, Division IV—

Mary McIntyre, Hardman, first; Clothing, Division III—Margaret Tamblin, Heppner, first; Vern McDaniel, Hardman, second; Ann McIntyre, Hardman, third; Clothing, Division II—Mildred Clary, Hardman, first; Vera McDaniel, Hardman, second; Caroline Bergstrom, Eight Mile, third. Grand Championship was awarded to Margaret Tamblin.

There were three fatal accidents involving motorcycles in Oregon during the first half of 1939, figures compiled by the state safety division of the secretary of state's office re-

vealed. All told, there were 140 accidents in which motorcycles figured.

Eighty-seven per cent of the fatal accident drivers during the first half of 1939 were men, Earl Snell, secretary of state, said today, while 79 per cent of all drivers involved in traffic accidents were men.

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