

### Alicel, Golden Top Show High Yields

By M. M. OVESON,  
Supt. Moro Experiment Station.

Alicel, a short-strawed club variety, and Golden produced the highest average yields of nine standard and three new hybrid winter wheat varieties grown by the Moro station at nine outlying nurseries in Sherman, Wasco, Gilliam and Jefferson counties in 1941. These nurseries are grown in cooperation with the farmers and the county agents in each of the mentioned counties. Rex M-1 followed Golden very closely in yield. The disadvantage of Alicel and Golden is in their lack of resistance to any of the physiological races of stinking smut.

Producing slightly lower yields than the three soft white varieties were the three new hybrids all of which are hard red winter wheats. Two of these hybrids have Oro as one of their parents and the third is a cross between Rio and Rex. Each of these new wheats is highly smut resistant and of good quality. The Blackhull X Oro and Rio X Rex had exceptionally high test weights at each of the nurseries grown. These new Turkey hybrids averaged between one and three bushels higher yields than did the commercially grown Turkey wheats Rio, Oro and Kharkof.

The hazard of planting Federation (which is a spring wheat) in the fall is definitely demonstrated in these trials. Although the winter of 1940-41 was not an unusually cold winter, this wheat completely winter killed at two of the nine locations grown. At several of the other locations it was slightly damaged but not enough to effectively reduce its yield. However, only slightly colder weather at these locations would have caused a complete kill and necessitated reseeding. When Federation survives the winter, it is a high producing wheat but the hazard involved is too costly to warrant its being seeded in the fall. However, many farmers continue to follow this practice. Golden and Rex M-1 each produced higher average yields at the locations where Federation survived the winter and were not injured at the two locations where Federation completely winter killed.

Some acreage of Fortyfold is still being grown although Golden, a selection out of Fortyfold, has consistently out-yielded it in every section where they are both grown. At the nine locations in 1941, Golden produced an average of 5.6 bushels per acre more wheat than did Fortyfold and Rex M-1, a smut resistant variety, produced 4.8 bushels per acre more. These two varieties also produced wheat with a heavier test weight than did Fortyfold.

The yields of the spring wheat varieties were slightly lower on the average at the outlying nurseries than were the yields of winter wheat in 1941. However, many spring wheat varieties had higher average yields than did many of the winter wheat varieties. Federation produced higher yields when seeded in the spring at Moro, Mayville, and Condon while the reverse was true at Rufus, Kent, Shutler and Grizzly. No yield from fall seeding because of winter killing was obtained at Culver or the nursery in Wasco county.

Two soft white wheats, Federation X Bunyip and Idaed, produced slightly higher average yields than did Federation; while two hard white wheats, White Federation 38 and Baart X Hard Federation, produced slightly lower average yields than did Federation. The difference between the highest and lowest yield of these five varieties was only 1.3 bushels per acre.

Comet, a hard red spring wheat variety, has shown considerable superiority in yielding ability over the standard hard red spring wheat, Marquis. This difference has been an average of seven bushels per acre. Baart X Hard Federation, a new hybrid wheat with Baart as one of its parents, is also superior to Baart. This is a red chaff bearded variety with kernel characters similar to Baart.

#### AT CAMP ROBERTS

Ernest M. Allen, Morrow county selectee, has been received at the infantry replacement training center at Camp Roberts, Cal. His number is 39304418.

### 4-H Club Wheat-Fed Lambs to be Exhibited



Clifford Bergen of Dufur is shown here with his pen of wheat-fed lambs, which will be exhibited at the annual meeting of the Eastern Oregon Wheat league at Heppner December 4 to 6. Clifford is one of 28 club members in the Columbia basin counties who have fed wheat to lambs this fall to demonstrate the value of wheat as the concentrate in lamb fattening rations. The Eastern Oregon Wheat league appropri-

ated \$300 for prizes and expenses for this feeding project. The lambs used were purchased by the league, assembled, and divided as near equally as possible so far as quality was concerned. The lambs were started on feed the last week in August, when they averaged about 60 pounds in weight. They will be assembled at Heppner December 5, where they will be graded and shipped to Portland. Each boy will receive 50 cents

for every lamb that grades in the top class, in addition to the market price. After the lambs are slaughtered, the 4-H club boys will be taken to Portland to view the carcasses and compare the different grades of lambs after they are dressed. Clifford is a nephew of Eugene Chase, one of the large wheat farmers of Wasco county. He is an ardent 4-H club member and has carried on a number of projects in addition to the lamb feeding.

### Cattle Production Increases in Gilliam

By W. F. MARSHALL  
County Agent, Gilliam County

Livestock production in Gilliam county is of major importance with approximately 40% of the total agricultural income derived from this enterprise. Approximately 70% of the entire area of the county is native range land and over 30,000 acres of crested wheat grass is growing in the county most of which is used for pasture. Operations in connection with the wheat industry also provide considerable feed for livestock.

According to the 1940 census beef cattle numbers have almost doubled since 1930. Sheep numbers have during the same period decreased approximately 20,000 head due primarily to the lack of adequate summer range for sheep. During the same period hogs have, however, increased approximately 1,000 head and this coupled with the increase in beef cattle has more than offset the decrease in the sheep numbers.

In the past five or six years quality of the beef cattle in the county has been greatly improved. This is evidenced by the type of well bred cattle that have been imported and bred in the county since 1936. Many of the outstanding purebred Hereford herds of the West can find stock of their breeding on Gilliam county ranches. The reserve champion Hereford female at this year's Pacific International Livestock show was a heifer only 9 months old bred by Henry and Walter Jaeger of Condon. Her sire is Promino Lad the 1940 reserve champion bull at the Pacific International. At the present time there are approximately fifteen purebred Hereford herds in Gilliam county. The operators of commercial herds are also improving their quality by using good bulls and culling their cows.

It is felt that 4-H beef club work has done much in bringing about the improvement of Gilliam county beef cattle. Since 1935 Gilliam County 4-H club members have been consistent winners at the Pacific International. In 1940 the grand champion 4-H beef steer at the show was an animal fed and fitted by Ellen Warren of Condon.

In addition to improving the quality of their beef through better breeding Gilliam county livestock operators have in the past few years been doing a better job of fattening their beef for market through the use of home grown surplus feeds. Wheat and barley are being fed in increasing amounts on the ranches each year. Where possible alfalfa hay is also grown and fed locally.

### Wasco County Controlling Weeds

By W. WRAY LAWRENCE,  
Wasco County Agent

Emphasis is being placed upon the control of noxious weeds by cultivation in Wasco county. This recommendation is based upon the outstanding results obtained for the past two years on the weed experiment station in Umatilla county.

Two demonstration farms have been established in Wasco county for the purpose of confirming these results under conditions in this county.

Farmers cooperating with these demonstrations are Charles A. Harth in Columbia community and H. A. Miller, Dufur.

There are 105 other farmers in Wasco county definitely carrying on a control program for noxious weeds either with chemicals or cultivation. The Wasco county court is cooperating to the extent of providing cultivating equipment for farmers wishing to participate in a program of eradication of noxious weeds on their farms by cultivation.

The weed program in Wasco county is carried out under the recommendations of the Wasco County Weed council which is composed of members of all farm organizations in the county, the Wasco county court, members of the state highway commission, railroads, leading farmers, and others that may be interested.

Through the recommendation of provides a revolving fund for the this council the Wasco county court purpose of purchasing equipment and supplies for the use of controlling noxious weeds.

### SPEAKS FRIDAY



E. B. McNaughton, president of the First National Bank, Portland, to speak at Eastern Oregon Wheat league meeting here Friday, Dec. 5.

Mr. and Mrs. Stoy Miller of Eugene have been visiting for a week at the home of Mr. and Mrs. A. W. Gammell. Mr. Miller is a nephew of Mrs. Gammell.

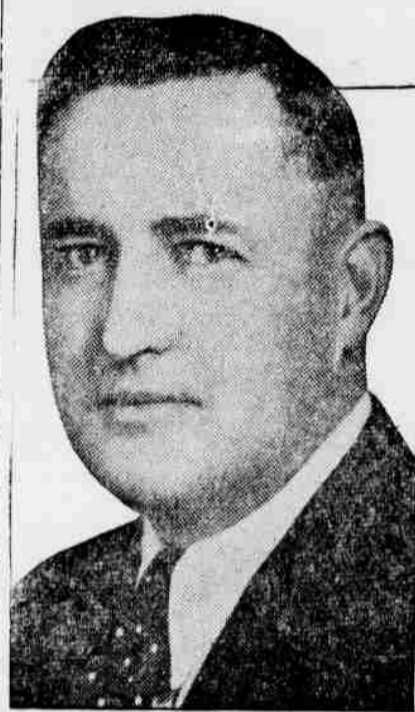
### Labels on Foods Key To Quality, Thrift

Time spent in a grocery store reading the labels on packages will give good returns in money saved these days, points out Miss Lucy A. Case, extension nutritionist at Oregon State college. More and more manufacturers are now putting grade labels on canned foods, as well as net contents. These two items observed together can save the buyer money and avoid disappointment, says Miss Case.

Because some folks have difficulty in comparing the values in different sized packages, even when weights are given, the extension service has prepared a pocket folder containing cost-weight tables from which a person can determine at a glance the cost per pound of any material if given the price per package and weight in ounces. This cost-weight bulletin, No. 501, may be obtained from any extension office.

Among the latest novelty horns is one which signals the Morse code "V" for Victory, three short blasts and a long one, according to the Oregon State Motor association. A light attachment flashes the symbol at the same time.

### A BUSY MAN



Much of the work of steering the destinies of the Eastern Oregon Wheat league falls upon the shoulders of Charles W. Smith, Corvallis, veteran secretary.

### PROGRAM

Continued from First Page

#### FRIDAY, DECEMBER 5:

- 1:30 p.m. Musical Selection.
- Report of Land Use, Weed Control, Production, Handling, and Marketing Committee.
- Farm Financing, Present and Future, R. E. Brown, General Agent, Farm Credit Administration, Spokane.
- After Defense What? E. B. MacNaughton, President, First National Bank of Portland.
- 6:00 p.m. Banquet. Guest speaker, Dean U. G. Dubach, Oregon State College.

#### SATURDAY, DECEMBER 6:

- 9:00 a. m. Report of Auditing Committee.
- Report of Nominating and Place of Meeting Committee.
- Election of Officers.
- Food Needed by Great Britain and What American Farmers Can Do to Help. R. M. Evans, Administrator, Agricultural Adjustment Administration, Washington, D. C.
- Report of Taxation, Legislation, and Transportation Committee.
- 1:30 p.m. Summarization of Results of 4-H Club Wheat Lamb Feeding Contest. H. A. Lindgren, Extension Animal Husbandman, Oregon State College.
- Fattening Livestock on Oregon Grown Feeds. D. E. Richards, Superintendent, Eastern Oregon Branch Experiment Station.
- Report of Federal Agricultural and Conservation Programs Committee.
- Report of General Resolutions Committee.
- 3:30 p.m. Meeting of Executive Committee.

#### EASTERN OREGON WHEAT LEAGUE 1941 OFFICERS

- President: Sim J. Culley, Weston, Oregon
- Vice-President: R. B. Taylor, Adams, Oregon
- Secretary-Treasurer, Chas. W. Smith, Corvallis, Oregon
- EXECUTIVE COMMITTEE MEMBERS
- Lloyd Smith, Gilliam County, Mayville
- John L. Campbell, Jefferson County, Madras
- Louis Bergevin, Morrow County, Ione
- Millard Eakin, Sherman County, Grass Valley
- Jens Terjeson, Umatilla County, Pendleton
- J. D. Woodell, Union County, La Grande
- J. L. Staggs, Wallowa County, Enterprise
- Eric Johnson, Wasco County, The Dalles

### Oregon License Colors Exclusive During 1942

Oregon will have the exclusive white on dark blue license color for 1942 according to the Oregon State Motor Association which has just received a compilation of colors to be seen on new automobile plates. The only competition will come from the provinces of British Columbia and Alberta in Canada and the Canal Zone which also have decided to use white letters on blue backgrounds.

Washington will reverse its present combination in 1942 using green letters on a white plate; California will have orange on black; Idaho, royal blue on light grey; and Montana, white on black.

#### MAKES RALLY BAND

University of Oregon, Nov. 12.—Hugh Crawford, from Heppner, has been selected to play in the university rally band, John Stehn, assistant professor of music in the university music school and director of band, announced today. Forty-eight university students will play in the university concert band, which presents several formal concerts in Eugene and other Oregon cities each year. Eighty-nine students will perform with the university band, which plays for all athletic events, assemblies, rallies, and other events besides formal concerts. Its membership includes the 48 students in the concert band and 41 others.

Fred McMurray was delivering spuds in town Monday from the Butter creek farm. He reported a good crop this season.