

Better Wheats Eyed In OSC Experiments

Milling Quality Object of Tests

Helping plant scientists select and develop new wheat varieties with superior milling qualities is the goal of a four-year study under way at the Oregon State college agricultural experiment station. The study includes work on a quick, inexpensive way to check milling quality of wheat. Plant scientists need some way to easily determine milling quality of wheat lines used in breeding experiments in order that only wheats with desirable milling qualities are used as parent stock, according to Wilson Foote, OSC agronomist heading up the study. Present methods of determining milling quality require a fairly large amount of wheat, and are expensive and time consuming to run.

Foote reports that studies at the USDA western utilization

laboratory, Albany, Cal., have indicated that differences in milling quality between wheat varieties may be predicted by the differences in the amount of pentosan—a chemical compound found in wheat kernels—that can be extracted from wheat kernels with an acid.

Following this lead, the present study will try to simplify the acid-extracting process and work out a simple method for routine examination of large numbers of samples. The new method will be used to check the acid-extractable pentosan content of a large number of wheat varieties, and the pentosan values obtained will then be compared to the actual milling qualities of these varieties to establish whether pentosan count actually does indicate milling quality.

About 100 spring wheat varieties were grown near Pendleton this year and will be checked this winter, Foote says. And over 200 winter wheat varieties have been planted this fall for test next year. In addition, crosses have been made between good and poor milling wheats to study the inheritance of pentosan content. The study is being supported by a \$22,000 grant from the western utilization branch of the USDA agricultural research service. Working on the study with Foote are Paul Westwig, agricultural chemist at OSC and Charles Rohde, agronomist at the Pendleton branch experiment station.

4-H Clubs at Record for Enrollments

Oregon 4-H clubs have wound up another successful year with 27,590 youngsters enrolled in clubs to set an all-time high in 4-H membership records.

Burton Hutton, state 4-H extension leader at Oregon State college, announced that last year's increase exceeded the 27,355 mark set in 1955, making it the largest enrollment in the 42 years of Oregon club history.

During the year, members enrolled in 38,118 projects choosing from 24 subjects under home economics, agriculture and related fields. Clothing, foods, livestock and forestry were most popular projects among Oregon members.

Mainstays of the 4-H program are the volunteer leaders, parents and extension workers who unselishly guide boys and girls. Hutton said. More than 4000 adults led clubs in local communities during the year. The state 4-H leader also commended business, civic and professional organizations and agencies that support the program and recognize its leaders.

As organization of 4-H clubs got underway this month, goals for 1956-57 program were outlined. They include more intensive training, explanation of project material to 4-H extension workers and the training of junior leaders. Junior leaders are club members, 14 or older, who assist in developing club programs. Almost 1,000 of them organized new clubs, recruited members, trained demonstrators and served as camp counselors last year in the state.

Oregon club work was organized in the early 1900's through schools in Benton, Yamhill and Polk counties. In 1914, 4-H club work became a part of the cooperative extension service at OSC. Today, sponsoring agencies are the department of agriculture, OSC and the county courts.

Boys and girls, who are 9 to 21 years of age, living on farms and in cities are eligible to join 4-H clubs. County extension offices are 4-H headquarters.

Cherry Herd Testing Told

Announcement has been received from the Holstein-Friesian Association of America of the completion of a lactation average by the registered Holstein herd belonging to Helen M. Cherry and Harold M. Cherry of Salem.

The herd's 12 cows averaged 34,926 lbs. of milk and 360 lbs. of butterfat on a two milkings a day—365 day—mature equivalent basis.

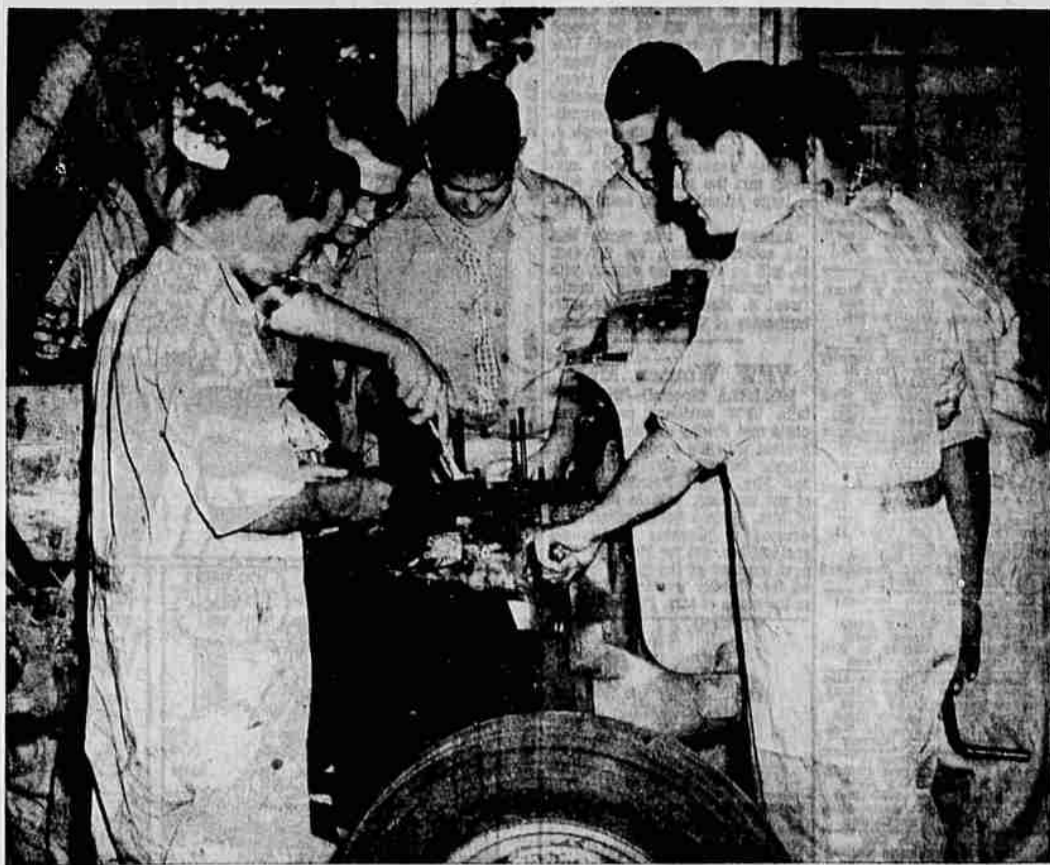
Testing of the herd was supervised by Oregon State College and the record is a part of the Herd Improvement Registry program of the Holstein-Friesian Association of America, Brattleboro, Vt. The program provides individual lactation and lifetime production records on every registered Holstein cow in the herd enrolled. Such records are valuable tools in the constant selection of individuals, families and bloodlines which must accompany a successful dairy cattle breeding program.

Notes on the News



"I'd have passed that test if there were government supports an algebra."

St. Paul FFA Boys Study Shop Methods



SAINT PAUL (Special)—Top photo shows group of freshmen vocational Ag students at St. Paul Union High School studying tractor motor with cylinder head removed. In lower photo, officers of the Future Farmers of America club are shown inspecting the removed cylinder head. From left they are Bob Coleman, reporter; Tom Eith, treasurer; John Roth, vice-president; Ben Cummins, secretary; Joe Hiller, president, and Dave Schneider, secretary. (Capital Journal photos.)

Condemned Dairy Container Rules Explained by State

Revised regulations for the identification of condemned dairy containers were set up recently by the foods and dairies division of the state department of agriculture.

Under these regulations, department condemned milk, cream and frozen dessert mix cans over one gallon capacity must be identified in two manners. First, by attaching to the container a department condemnation tag, which tells the reason for condemnation. Second, by punching a one-eighth inch in diameter in the uppermost edge of the pouring lip of the container.

Other fluid milk or dairy products containers such as farm milk tanks, milk tank trucks, milk storage tanks, pasteurizing vats, cheese vats, butter churns, butter tubs and cheese hoops which are condemned now will be identified by an attached department tag (telling the reason for condemnation).

After repair, condemned containers may be released for use by licensed milk or cream graders or pasteurizer operators who sign the condemnation tag on the container and send the tag to the department.

The second regulation for release of condemned containers which have been repaired applies to the punched hole in the pouring lip of these containers. This hole must be filled at time of repair in a manner which leaves a reasonably smooth surface.

The department condemns containers as unfit for use by reason of dirt, rust, open seams or other conditions which might contaminate fluid milk, milk or dairy products and make them unfit for human use or consumption.

Foresters State Court Will Meet

MOUNT ANGEL (Special)—The state court of the Catholic Foresters will meet in Mount Angel Nov. 4, according to announcement made at the Oct. 12 business meeting of St. Mary's court, held in the school meeting room here.

Highlight of the business meeting was installation of officers, by field representative Donald Orange.

Ray Terhaar and Joseph Schmidt were appointed on a committee to make arrangements for a dance to be sponsored by the Foresters in the near future.

ELECTRICITY is CHEAPER!

PORTLAND GENERAL ELECTRIC COMPANY

"Low Fuel Bills Amaze My Neighbors"

Says Thomas De Pass

"We are more than satisfied with our G.E. Gas Furnace. We get heat very fast in the morning... steady, comfortable temperatures all day—economically! You'll get stand-out comfort with famous G.E. Air-Wall Heating System."

COMFORT AND SAVINGS FOR YOU, TOO!

GE GAS HEATING

Replace your fuel-wasting Pick-pocket Furnace with a fuel-efficient G.E. Gas Furnace. Clean, quiet—wonderfully convenient. You save!

CAN DO IT FOR YOU!

RIGHT HERE IN SALEM

GE GAS FURNACES are approved by BOTH Underwriters Laboratories, Inc. and American Gas Association.

Phone Today for FREE Heating Survey

A & R Equipment Co., Inc.

1950 Pringle Road
Salem, Oregon
Phone 2-0771

Retirement Gifts

DALLAS (Special)—A lawn mower and billfold were presented by fellow workmen to Roy Plummer upon his retirement from Willamette Valley Lumber Company after 40 years service at the mill. Mr. Plummer had planned to spend some of his retirement time traveling until the death of his wife recently leaving plans uncertain.

UNCOVER ANCIENT TEMPLE

CAIRO, Egypt (Special)—Archaeologists have uncovered a vast temple near Luxor on the Upper Nile belonging to the ancient Egyptian King Amenophis III, who ruled Egypt nearly 35 centuries ago, the newspaper Al Ahran said Thursday.

Suggest Specialization

Theodore suggests that Willamette valley farmers specialize on a few products rather than trying to grow many crops to take advantage of the safety offered by diversification. Though most any crop can be grown here, greater quality and in the long run more profit will result if in-

Roadside Produce Business Launched from Small Start

By CLAUDE STUESLOFF
Capital Journal Writer

Thanksgiving food buyers will find Willamette valley fruits and vegetables at their best after this year's splendid growing and harvesting season according to J. C. Theodore, owner of Green Apple Market, 5005 Portland road, Salem. Prices generally are about steady with last year.

Theodore buys 75 percent of the produce sold at his thriving roadside stand direct from farmers in this vicinity. During 1955 he sold 6,000 bushels of apples and 185 tons of potatoes along with quantities of other farm goods.

Business Enlarged

A man who likes apple pie, Theodore picked the name for his market because it seemed fresh and appealing. He started business in 1945 with three boxes of his home-grown apples sold from a wheelbarrow along the roadside. The following year a small sale shed was put up. Year by year this has been enlarged. It now includes a sizeable refrigerator room. Busiest time of the year is during peach and apricot canning season when four clerks are employed.

Tourists made up 85 percent of the customers when the stand first opened. Nowadays 85 percent of the patrons are local folks and tourist trade is incidental. Theodore says the change has been gradual but steady, resulting from the demand by Salem people for farm fresh produce.

Quality and price, each separately, account for most sales but attractive displays also help, Theodore stated. Some customers insist on quality, some bargain hunters look for culls priced cheaply. Variety names such as Elberta peaches, Gravenstein apples and Winter pears have given satisfaction for years and still have many steady customers despite good supplies of newly improved varieties not so well known.

Active Staff Members

Emeritus staff members to be honored are: O. M. Nelson, Corvallis, animal husbandry; R. H. Robinson, Laguna Beach, Calif., agricultural chemistry; W. J. Gilmore, Riverside, Calif., agricultural engineering; H. A. Scullen, Corvallis, entomology; R. S. Besse, Corvallis, administration, experiment station; A. G. B. Boquet, Corvallis, horticulture; W. L. Powers, Boise, Idaho, soils; C. V. Ruzek, Corvallis, soils; G. G. Brown, Hood River, Hood River branch station; LeRoy Childs, Hood River, Hood River branch station; F. C. Reimer, Medford, Southern Oregon branch experiment station; G. B. Thompson, Albany, entomology; and G. A. Mitchell, Athena, Sherman branch station.

Farm Bureau Plans Awards

Recognition of the Oregon Farm Bureau Federation of 30 years of service to Oregon agriculture will be given to 16 staff members of Oregon State College. The awards are given annually to those who are outstanding in their contribution to farming in the state and who have been active in the fields of research, extension work and vocational agriculture for 30 years or more.

Presentation Ceremonies

Presentation ceremonies will be held during the annual meeting of the Oregon Farm Bureau Federation in Pendleton, Friday, November 9.

Each person honored will be presented a blue and gold pin inscribed with the words, "Serving Agriculture 30 Years," calling attention to long and faithful service to Oregon's second largest industry.

Emeritus staff members to be honored are: O. M. Nelson, Corvallis, animal husbandry; R. H. Robinson, Laguna Beach, Calif., agricultural chemistry; W. J. Gilmore, Riverside, Calif., agricultural engineering; H. A. Scullen, Corvallis, entomology; R. S. Besse, Corvallis, administration, experiment station; A. G. B. Boquet, Corvallis, horticulture; W. L. Powers, Boise, Idaho, soils; C. V. Ruzek, Corvallis, soils; G. G. Brown, Hood River, Hood River branch station; LeRoy Childs, Hood River, Hood River branch station; F. C. Reimer, Medford, Southern Oregon branch experiment station; G. B. Thompson, Albany, entomology; and G. A. Mitchell, Athena, Sherman branch station.

Active Staff Members

Active staff members with 30 or more years of service also to receive the recognition are: W. Wray Lawrence, Corvallis; agricultural economics marketing; J. Roland Parker, Roseburg, county extension agent; and Harry A. Schoth, Corvallis, USDA agronomist.

dividual growers will stick to a few crops they particularly like and to which their farm location and soil are adapted.

This, he feels, is the principal advantage the Yakima valley holds over this area. Closer grading and superior quality are found in Yakima apricots, cantaloupes, peaches, potatoes and tomatoes. Peaches from The Dalles, apples and pears from Hood River and Hermiston, watermelons are also superior in Theodore's opinion. He makes occasional truck trips to these districts to supplement local supplies for the stand.

Theodore believes there is an opportunity for expansion in growing red potatoes locally. Bliss triumph and Pontiac varieties have done well here. There is also need for more lettuce in fresh trade. High quality sweet corn is always in demand. Though he sold 4,000 pounds of strawberries last season he could easily have sold more of them, had good quality, fresh, unstemmed berries been available.

Scarcity Created

Scarcity creates demand in the fresh fruit and vegetable trade and when certain products are high in price they often sell in greater quantity than when values are low. Last summer during the potato shortage, Theodore was selling 300 sacks of 60 pounds each per week. Now, when price is only 1/2 as high, sales have dropped to only 150 bags per week. Many sales at roadside stands are in bulk, he explained.

Most farm produce keeps best when stored in a cool, dry place, if refrigeration is available it should be used. Theodore stated. Apples should have plenty of air and will stand temperatures as low as 20 degrees. Potatoes keep best at temperatures which fluctuate very little and they will freeze at 30 degrees. Potatoes should be boiled slowly to prevent breaking up, "don't try to cook them too fast," Theodore advises.

Basket fruits such as berries, peaches and apricots are easiest to sell at the Green Apple. Apples are the favorite trade item because they keep well, there is little loss from storage. For personal consumption Theodore leans toward peaches, apricots and apples in that order. And breakfast is most pleasing when it starts with fruit.

SEARS ROEBUCK AND CO.

LET'S GO HUNTING with J.C. Higgins

Pointing the Way to Better Hunting

YOU DESERVE THE BEST... J. C. HIGGINS GUNS... HUNTING EQUIPMENT

BE READY OCT. 20TH—PHEASANT SEASON OPENS!

J.C. Higgins MODEL 10

BOLT ACTION TUBULAR FEED SHOTGUN

Over 1 Million Satisfied Hunters!

- Big Fire Power with Tubular Magazine
- Twin Extractors Prevent Shell Jams

America's lowest priced 6-shot shotgun. Proof-tested, forged steel barrels. Stocked with rich American walnut with shock-absorbing recoil pad. Many popular gauges... 12, 16, or 20 gauge!

26⁸⁸

J.C. Higgins MODEL 60

GAS OPERATED AUTOMATIC SHOTGUN

Faster, easier 2nd, 3rd shots

Faster, Surer 2nd and 3rd Shots—Fires Any 12-Ga. Shell Automatically and Interchangeably, without Adjustment

First fully gas operated automatic shotgun. 6-pattern choke adjusts with twist of wrist. Fast, non-glare sighting with ventilated rib. Checked American walnut stock & fore-end.

104⁸⁸

\$10 Down
Model 60 Lightweight... 94.95

BUY YOUR HUNTING LICENSE AT SEARS!

Hunting Vests
Elastic Loops Hold 24 Shells
Reg. 2.09... **1.88**
Small vest made of cotton duck. Button front. Mustard brown call or only. Available in sizes 36 to 46. Buy at Sears.

Shot Shells
Complete J. C. Higgins Line
12 Gauge Hi-Base... Box **3.20**
Shot shells, field loads in all shot sizes, plus the NEW STANDARD MAGNUM LOADS.

Bolt Action Shotgun
Reg. 36.95 With Mully-Choke
Low-price 6 shot shotgun with Mully-Choke. It's a multi-purpose shotgun with 9 twist-of-the-wrist positions. Available in 12, 16, and 20 gauge. Tubular feed magazine. Weighs only 7 1/2 lbs.

32⁸⁸

SHOP AT SEARS Mondays and Fridays 9:30 A.M. 'til 9:00 P.M. All other shopping days, 9:30 A.M. 'til 5:30 P.M. Park Free

"Satisfaction guaranteed or your money back" **SEARS** 550 N. Capitol **3-9191**