

# SENTINEL FARM and GARDEN

## Oregon Rates High In Dairy Industry Breeding Program

Oregon's dairy industry artificial breeding program has received one of the top national ratings in the U. S. department of agriculture annual survey of milk production records for cows born through artificial insemination.

Two Jersey bulls used by the Oregon Dairy Breeders association were rated No. 1 and 2 in the nation by the USDA bureau of dairy industry in a report received recently by H. P. Ewalt, Oregon State college dairy specialist. Milk production of daughters from the association's Guernsey and Holstein bulls topped either national or state averages for organized dairy improvement programs.

The 10-year-old Oregon association of Oregon dairymen is managed by Fred Roberts with headquarters at Corvallis. Last year more than 40,000 cows were bred artificially from bulls used by the organization. Ewalt said the USDA report emphasizes the value of proved sire service to increase dairy profits.

The OSC specialist added that dairymen could measure milk production of such a program by registering cows with the Oregon Dairy Herd Improvement association, a non-profit, record-keeping service to boost efficiency of Oregon's dairy industry.

The Oregon Dairy Breeders association Jersey bull, Oregon Priceless Benjamin, was ranked top in his class nationally for 50 or more artificial daughters who averaged 9,481 pounds of milk and 509 pounds of fat for 305 days production testing.

Lilac Coronator Cap, placed second among bulls with 75 or more artificial daughters. His 93 daughters averaged 8,786 pounds of milk and 455 pounds of fat in 305 days. The USDA lists 838 Jersey bulls used in the artificial breeding studs of the country.

Daughter-production from all ODBA Guernsey bulls averaged 8,401 pounds of milk and 407 pounds of fat more than 600 pounds of milk annually over daughters of all Guernseys used by U. S. artificial breeding organizations, and more than 750 pounds over average for Guernsey cows registered with the Oregon Dairy Herd Improvement association.

Daughters from ODBA Holstein bulls averaged 11,488 pounds of milk a year and 435 pounds of fat. Milk production was 812 pounds higher than the national average for artificial programs and 622 about ODBH Jerseys.

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## Feed Handling Tips Listed in Bulletin

Every time livestock feed or a feed crop is moved, there's an excellent chance to let a machine do some of the back-breaking work, advises a new bulletin published by the extension services and experiment stations of Oregon, Washington and Idaho.

The bulletin, titled "Feed Handling Equipment," is filled with suggestions and pictures giving farmers ideas for easing their feed-handling loads. Besides making life easier for the farmer, mechanical equipment can save time and labor with a resulting lowered cost and increased efficiency of the farmer's operation.

Livestock feeds can be classed as concentrates, roughages, green, and waste or by-product feeds, the bulletin points out. And all of these feeds go through at least some of the handling steps of collecting, loading, moving, processing, and storing.

Work-saving equipment such as self-unloading wagons, trucks, and feeders, feed carts, portable and stationary elevators, augers, blowers, conveyors, and bunk feeders are covered in the bulletin. Copies of the bulletin are available from county extension agents or the Oregon State college bulletin clerk.

## Antibiotics May Control Walnut Blight Disease

Another plant disease that has been difficult to control may soon fall before the amazing antibiotics, according to a report by a USDA plant pathologist at Oregon State college.

P. W. Miller has been testing the value of antibiotic sprays as a control for walnut blight, a common disease of walnuts in Oregon. Results look quite promising, he says.

In 1954 and 1955 field tests, an antibiotic formulation containing 15 percent streptomycin sulfate and 1.5 percent terramycin gave as good control as the copper spray materials now used. Big advantage of the antibiotic sprays is that they don't injure the trees. Foliage injury is a constant hazard when copper sprays are applied. But Miller says the antibiotics are the safest sprays he's ever used on walnuts.

While the antibiotics gave good results, the plant pathologist says the tests still aren't conclusive. The walnut blight disease was first reported in 1954 and 1955, and he feels the antibiotics need to be tested under severe disease conditions before definite recommendations for their use are made.

There's also the problem of cost. If a 25 parts per million concentration of antibiotics—the lowest concentration used in the experiments—can control a severe attack of the blight, cost of the antibiotic spray will be about the same as for the copper. But if it takes a higher concentration of the antibiotics to do the job, antibiotic sprays will probably be too expensive for growers to use.

In this year's field tests, Miller is checking the value of a new streptomycin dust, as well as the usual spray materials. The dust is lower in cost, and if it can control the walnut blight it may be just what the plant scientist is looking for.

## Lane Pomona Grange Approves Resolution on Truck Licensing

Lane County Pomona Grange approved a number of resolutions at a meeting May 26 at Elmira. Among these was a resolution from Union County Pomona Grange endorsing the following points on farm truck licensing: 1. That the farmers are paying a fair share of the road tax according to the miles they travel under the present system. 2. That the present system of hauling for a neighbor farmer be maintained. 3. That the load limits be the same as other trucks of the same size as long as the farmers comply with all regulations. 4. If one be a part time farmer, that he be allowed a farm license for the time being used for farm purposes. 5. If there are violations of this law that the penalty be enough to stop such violations.

Other action included: A resolution stating that the grange looks with disfavor upon publications.

## Witches Broom Disease Signs, Controls Told

Red leaves on one or more branches of a cherry tree may indicate a witches broom invasion of your home or commercial cherry orchard, advises Iain MacSwan, plant pathology specialist at Oregon State college.

First signs of the disease, which is caused by a fungus, are early appearing crinkled red leaves. These indicate the location of infected wood which is usually swollen and profusely branched, giving the weird appearance which led to the name of the disease.

Flowers aren't formed from buds on infected wood, so the diseased portion of the cherry tree will never bear fruit, he says. If the diseased wood isn't removed, the fungus will gradually spread to the rest of the tree and to other cherry trees.

This means that cutting out all diseased wood is necessary. And since the fungus spreads very slowly, pruning is the only control necessary. Just make sure all cuts are made in healthy wood, several inches below infected wood, he cautions.

Now is the time to get the pruning job done, MacSwan says. Later, the red leaves will fall and the diseased area will be hidden by the new green leaves. This makes pruning difficult and less accurate. Witches broom isn't a serious problem in Oregon, MacSwan says, although it is common in some parts of the state. It usually seems to be more noticeable after a wet winter.

## Root Weevils Curb Strawberries

If your strawberry plants aren't all they should be, it could be that root weevils are taking their expensive toll, says W. B. Parker, Lane extension agent in agriculture.

One of Oregon's most serious pests to strawberries, the weevils also do extensive damage to mint, cane fruits, nursery crops, and certain flowers.

"Weevils have a two-edged attack," said Parker. "The adult weevil eats semicircular holes in the edges of the leaves, and the larvae feast on the fibrous roots and crowns of the plants."

The adult weevil is about one-fifth inch in length, black to light brown in color, and has a snout or beak. The weevil cannot fly. Its larvae are white or pinkish, legless grubs with brown heads. Adults emerge during March and April and lay their eggs from May through June. The larvae feed on the plants from May through August.

Baits to kill weevils should be applied at 30 to 50 pounds per acre, said Parker, and may be broadcast over the field or followed by rain or irrigation, application should be repeated.

"The only way to determine the length of time to bait is to continue making examinations of the area to determine if adults are still present," he added.

Strawberry growers will find additional information in the bulletin, "Control of Insect Pests and Diseases of Strawberries in Oregon," available from Lane County Extension Service office, 1170 Pearl St., or by calling DI 5-8418.

## Soil Conservation Dist. To Meet at Creswell

The Upper Willamette Soil Conservation district will hold its June meeting at the Creswell Grange hall at 8 p.m. June 18.

Glen R. Purnell, executive secretary of the State Soil Conservation Committee will be in attendance to discuss the district program with the board of supervisors and to give information on assistance available through the state office.

Anyone wishing the district to be welcome and invited to attend these meetings.

We cannot always oblige, but we can always speak obligingly. —Voltaire

tions and publishers carrying advertising for alcoholic beverages; and a resolution asking Oregon's senators and representatives to work for measure permitting the re-districting of Lane county for the purpose of electing representatives.

Since the depth of the Willamette River is controlled by the Dorena and Cottage Grove Dams, a resolution was approved by the Grange asking that control of the lower Coast Fork of the Willamette be regulated by a gauge on the Seavey Loop bridge instead of the Coast Fork bridge on Highway 58 where the readings are now made a farm license for the time being used for farm purposes. 5. If there are violations of this law that the penalty be enough to stop such violations.

W. B. Parker, county extension agent, reported that blanks may be picked up after June 1 for refunds on gas used for the time being used for farm purposes. 5. If there are violations of this law that the penalty be enough to stop such violations.

Mr. Parker explained the Great Decisions Program and recommended it as a worthwhile project. He also distributed brochures from the polio foundation on polio vaccinations.

Ralph Rogers of Lane county planning commission, discussed the arguments for and against the removal of a gravel bar near Armitage Park. The commission is still working on this problem. The commission meets at 8 p.m. at the courthouse on the fourth Tuesday of each month; and persons interested in the work of the commission are invited to attend. Mrs. Lillian Petersen, Lane Pomona juvenile committee chairman, reported an increasing membership in the juvenile granges. These young grangers, ranging in age from 5 to 14, participate in many activities. Names of winners from this area in a number of contests, sewing, poster and declamatory, already have been printed.

Mrs. Mary Arne, chairman of the textile division of the Lane County Fair, asked that entries in the juvenile sewing contest, 5 to 9-year age group, be saved for display at the fair.

Robert Gibson spoke briefly about Pacific Growers, inviting membership in the association. Max Nielsen surprised many grange members when he announced that there are about 9,000 acres of wheat grown in Lane county. He said the wheat allotment is about the same as last year.

Mrs. Ed Sherrill, Lane Pomona chaplain, aided by members from 14 granges, presented a Memorial service in memory of 28 grange members who have passed away during the past year.

The afternoon program, in the charge of Mrs. Ralph Wither, was as follows: Reading, Paul Blazer; poem, "My Mother," by "My Papa," Karen Wither; Junction City; poem, Mrs. Nelson, Lorraine; song, Mrs. Clinton Chezem, Santa Clara; reading, Mrs. Webb, Franklin; pantomime, Phyllis Clayton; Spencer Creek who was the winner in both the county and district youth talent contests; accordion music, Mrs. Kennedy and Kay Kennedy, Jasper; and a style show. Corsages were presented to the oldest mothers present, Mrs. Walls and Mrs. Francis; and to the youngest mothers present, Mrs. Leroy Storey and Mrs. Ralph Cline.

At the evening program, in the charge of Mrs. Arne, music was presented by the Golden Age group. Vocal soloists with the group were Mrs. Ruth Clark and Mrs. Darrell Willer. The Elmira Quartette, which will be entered in the National Grange Quartette contest, presented several numbers. The quartette is composed of Mrs. Garrard Force, Mrs. Kenneth Moore, Ed Utter and Jack Nail, and is accompanied by Mrs. Bill Nichols.

Jim Walsh, first aid chairman of Lane County Red Cross, talked of the use of and need for first aid training, and urged granges to hold first aid classes during the fall and winter months. He gave a demonstration of the latest approved method of artificial respiration.

The program concluded with several numbers by the newly organized Pomona Chorus composed of 20 members from several different granges. Later, grangers watched the fifth degree was conferred on 42 members.

Next meeting of Lane Pomona Grange will be September 22 in the gymnasium of the Triangle Lake High school with Triangle and Goldson Granges as co-hosts. This will be a day session only.

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## CASHIER'S CORNER

Headquarters for the household accountant are tucked cleverly into this corner in the family room, with accommodations for telephone, typewriter, shelves above for statements, checkbooks and reference books. Drawers below hold stationery, pens, ink, and other writing paraphernalia. Easy to make and space saving, this handy little desk is built of lovely blond west coast hemlock to match paneling above the fireplace.

## Hazards of Illegal Milk Told by Beals

The health hazards of illegal milk constantly concern the foods and dairies division of the state department of agriculture, O. K. Beals, division chief, says in stressing the licensed dairies role in protecting the health of Oregon residents.

Milk is termed illegal, Beals says, when it is sold by producers who are not under state license and inspection for city inspection. If the sales are in Portland, Klamath Falls, Astoria, Salem, Eugene, or Medford, this practice was declared illegal years ago when the Oregon fluid milk law governing sanitation of milk was enacted.

Under this law anyone who sells milk for human consumption must have his dairy premises and equipment inspected regularly by a state department of agriculture representative. This is to check compliance with dairy laws and regulations. The only exception was approved by the last legislature and involves owners of one cow or three goats. In these cases, the owner must not advertise milk for sale or have more than one producing cow or three goats on premises where milk is produced and sold directly to the consumer.

This, in effect, legalized a prevailing practice since the state department of agriculture does not have enough dairy inspectors to include the family cow operation in sanitation inspections. But when milk production is not legalized, health hazards are involved, Beals adds. The milk sanitation law requires a license of anyone selling fluid milk. Before the license is granted the department first makes sanitation inspections of the quarters. Next, all fluid milk sold must be labeled as either grade A or B. The difference in grades is largely a matter of premise and equipment requirements. All milk must be clean and wholesome regardless of grade label.

The Lane County ASC committee through its chairman, H. H. Myers, reports that the wheat marketing work is practically all complete, there being just a few odds and ends to check over. Myers states that the committee is very enthusiastic because of the fine cooperation given by wheat growers again this year and that, as far as is known now, no wheat grower in Lane County is subject to penalty.

Myers advises that the mixed grain is yet to be checked and that this will be done later as the grain must be in full head in order to determine whether or not there is as much as 50% wheat in the mixture. He hopes that no farmer will have as much as 50% wheat in the mixture at harvest time in which case it would be classed as "straight" wheat.

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## Forrest Woods To Talk on Fair At Hebron Grange

By Mrs. Gale Roby  
HEBRON GRANGE—A talk on fair interests will be given by chairman of the fair board, Forrest Woods, at the June 16 Hebron Grange meeting. A HEC display table featuring hobbies promises to include a number of interesting displays. Summer grange meeting time is 8:30 p.m. Bring pie for refreshments.

Church Sunday at Hebron Grange was held Sunday with a potluck noon dinner. Visitors from London Grange and Hebron church attended. An afternoon program included group singing, with Mrs. Mildred Rohrer accompanying on the piano. A chalk sketch was made by Mrs. Archie Powell as "May the Lower Lights Be Burning," was sung by Mrs. Dean Martin and Mrs. Hugh Trunell. Piano solos were played by Richard Saunders and Marie Saunders. A short talk was given by the Rev. Shelley, telling of life and conditions at Seoul, in Korea, as observed during his work there as a missionary. Hugh Trunell welcomed visitors and members. Inez Kramer arranged the program.

## Extension Agent Prepares Fly Control Booklet

To a poultryman, flies are one of his most serious management problems, says Paige L. Hall, Lane extension agent. And to assist poultrymen with this problem, Mr. Hall has prepared a summary of newest proven insecticides to combat flies.

Some flies are very resistant to insecticides, especially DDT," Hall said. "For these super-flies the use of Lindane, Diazinon, Malathion and some other insecticides are especially effective."

Lists of these proven insecticides with directions on how to mix them for application, where to apply, and other pertinent suggestions have been sent to all poultrymen on the Lane County Extension Service mailing list. Copies of "Fly Control Insecticides for Poultrymen" are available from the Lane County Extension Service office, 1170 Pearl street.

## H. Myers Reports Wheat Check Over County Complete

The Lane County ASC committee through its chairman, H. H. Myers, reports that the wheat marketing work is practically all complete, there being just a few odds and ends to check over. Myers states that the committee is very enthusiastic because of the fine cooperation given by wheat growers again this year and that, as far as is known now, no wheat grower in Lane County is subject to penalty.

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## Leaf Rollers Infest Many Fruit Trees

The foliage of apple and cherry trees throughout the Willamette Valley and Portland again is heavily infested with insect pests called geometrids and leaf rollers, according to F. P. Larson, survey entomologist for the state department of agriculture.

These relatively new survey pests are recognizable when apple and cherry leaves are webbed and rolled together. They make the trees more unsightly and susceptible to other insect pests if not controlled, Larson says. County extension agents will provide information on control measures for these pests and the tent caterpillar which is hatching now.

Surveys are underway throughout the Willamette Valley and western Oregon to determine the extent of tent caterpillar infestation.

## Farm Home Convenience On Increase in Oregon

There aren't as many farms as there used to be but they're getting bigger. And the farmer's wife is coming into her own share of wealth from the increased large-size units.

According to reports from Elvora Herrell, agricultural economist at Oregon State college, farmers' wives now have many of the same conveniences that city women have.

Oregon's farm wives fare a little better than the national average. Most of them, says Mrs. Herrell, have electricity and piped running water. Almost three-fourths have phones and nearly half have home freezers.

Wives are working more outside the home to supplement the family income. Last year, 26 percent of the rural farm wives were working—an increase of 6 percent over 1948.

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