



HORSE SHOW ACTIVITIES — Honors were handed out in the recent Klamath County 4-H Horse Show conducted at the Klamath County Fairgrounds. At far left, Terese Nicholson of the Wood River Wranglers was named champion of junior horsemanship. The Wranglers are led by Jim Zeller and Ed Scott. Second from left, Diane Atwood of the Langell Valley Sage Riders (at right) was selected champion of intermediate horsemanship. Robert Goding, left, of Malin Juniper Jumpers was named reserve

champion intermediate horsemanship. Goding was named grand champion in horsemanship later. Mrs. Evelyn Seater and Luther Noble lead the Langell Valley group and Mike Lindauer and Mrs. Goding the Malin group. At far right, Mary Drace of the Silver Spurs was selected champion of senior horsemanship at the show. Roy Drace is the leader of this group. — County Agent Photo

Best Forage Production Revealed By Research

For maximum forage production from perennial grasses, proper management of subclover planted in combination with the grass is a "must," says Dr. D. W. Hedrick, Oregon State University professor of range management.

Five years of research just ended by OSU on management of orchardgrass and subclover mixtures on improved pastures in Western Oregon shows the need for maintaining a proper balance between the grass and legume. Hedrick explained that subclover is valuable for two reasons:

First, it supplies nitrogen to the grass wherever the legume makes up a substantial part of the stand, and second, it improves the nutritive value of the forage. Close to 50 per cent subclover seems desirable, he reports.

He pointed out that many farmers have been unable to maintain good grass-legume mixtures because of failure to manage them properly.

As a result of the OSU study, Hedrick makes the following recommendations for maintaining the proper amount of subclover in combination with orchardgrass:

1. Remove all material (both green and dry) from the area before fall rains start.
2. If nitrogen fertilizer is added, apply 40 pounds per acre in the spring. Reapply twenty pounds at least once a year before Sept. 1 by clipping or other means.
3. Although maximum yields of grass can be obtained by two clippings or grazings per season, at least three should be used on subclover.
4. Grazing management and addition of nitrogen fertilizer have only a slight effect in shifting the proportion of production to an earlier or later part of the growing season.
5. Close grazing or clipping periodically, together with adequate phosphate fertilizer, is essential for maintaining productive subclover-grass stands.



WINN HORSE SHOWS — At left, Jan Holliday of the Vaqueros showed as champion of intermediate horsemanship and was named reserve grand champion showman at the recent Klamath County 4-H Horse Show at the Klamath County Fairgrounds. In this view with Jan Holliday is Linda Goehring (at right) of the Silver Spurs who won honors as champion senior horsemanship and grand champion showman. In view at right, Marilee Willis of the Dairy Bough Riders was named champion junior showmanship at the show. — County Agent Photos



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Research Being Done At OSU May Open Door To Control Douglas Fir Beetle

Basic research being done by Oregon State University forest entomologists may open the door to practical control of the Douglas-fir beetle, the insect which periodically ravages Pacific Northwest forests.

The work being done at OSU has taken on new importance this year in the face of an expected bark beetle "population explosion" next spring due to the large amount of timber topped by the Columbus Day windswept. Douglas-fir trees that a year old is the favorite breeding place of the beetles.

Although scientists will be helpless to stop next year's expected outbreak, they are hopeful that some control method can be found before the stage is set for another epidemic. The last outbreak following severe winds in 1959 and 1967 destroyed some 300 million feet of standing timber before the population returned to "normal" in 1962.

Dr. J. A. Rudinsky, forest entomologist in the OSU Agricultural Experiment Station, is now in the eighth year of concentrated study on the biology and behavior of bark beetles. Work is supported by two grants from the National Science Foundation.

Utilizing both laboratory and field studies, Rudinsky is concentrating this year on flight patterns of the beetles as well as the attraction which brings them together in a localized area.

Rudinsky and research assistants, Olo Jantz and Gary Doster, are studying beetle behavior in the field in a forest plot high on the eastern slope of Mary's Peak. Using sampling nets, field observations and other research tools, they are studying the flight patterns of the insects and the factors which influence their movement.

"Through observation and use of the mechanical devices, the researchers hope to learn more about temperature, light, wind and other conditions which affect dispersal flights of the beetles from their breeding grounds to new areas.

Scientists already know that the beetles won't fly when the wind flows continuously at more than 5 m.p.h. They are now more clearly pinpointing the necessary conditions for the dispersal flight.

Last year, Rudinsky found the beetle's attraction to new areas by an "attractive" substance produced by sexually mature, unmated females when they first invade a new log. The attractant produced by the "pioneers" causes mass invasions of beetles in a particular forest area.



TOUR FIELD — Members of the Klamath Experiment Station Advisory Committee toured grain variety specialty crops and forage and pasture trials recently and reviewed extensive potato experimental work being carried out by George Carter, experiment station potato specialist. Shows here on tour, left to right, are Gene Grimes, experiment station superintendent; Earl Mann, Walt Jenkinson, Louis Kendall, Laverne Haskies, Leland Cheneay, Dick Haggard and Dr. William Swanson of Oregon State University. — County Agent Photos

Official Issues Reminder Of Law To Growers, Warehouse Operators

With harvest moving into high gear, the State Department of Agriculture's grain division has called attention of Klamath County warehousemen to certain provisions of the public grain warehouse law.

Grain Division Chief T. Ralph Harry points out that the 1963 amendments to this law do not relieve warehouse operators of the responsibility to obtain written approval of grain depositors with minor exceptions.

Holders of warehouse receipts or load slips must still be given written approval for the sale, shipment, transfer, accumulation or removal of their grain from a warehouse, Harry says.

He said the responsibility of growers and warehouse operators to comply with the law and recent amendments to the law and believe that all requirements for written consent were stricken from the law. This is not correct.

The section (ORS 306.423) repealed by the last legislature simply waived written instruction for processing and cleaning of a grower's grain.

Another section (ORS 306.415) of the warehouse law makes this requirement:

"No warehouse shall sell, encumber, ship, transfer or in any manner remove or permit to be shipped, transferred or removed from a warehouse any grain received by it for deposit or handling, without the written approval of the holder of the warehouse receipt or load slip."

Fair Slates Market Plan

A new 4-H livestock marketing program is planned for the 1963 Oregon State Fair in an effort to increase understanding of livestock standards for meat animals among 4-H Club members, reports Glenn Klein, Oregon State University state 4-H extension agent.

For the first time, 4-H members who will show hogs, sheep or swine will have a chance to see how the animals are evaluated, Klein said. All 4-H animals will be sold to Mt. Angel Meat Company on the basis of live grade. In the past, 4-H animals have been sold through the North Portland livestock yards.

The animals will be taken to Mt. Angel from the fairgrounds Thursday, Sept. 5. On Saturday, Sept. 7, the animals and their owners will go to Mt. Angel to learn why their animals graded out as they did.

Conducting the evaluation program, starting at 10 a.m., will be John Lammers, OSU animal science specialist, and Ed Eber, meat company owner. They will use light carcasses as well as meat animals cut up to illustrate how livestock is graded after slaughter.

Using the finished product as an example, the Saturday program is designed to increase the club member's knowledge of livestock production and marketing, Klein said. Such factors as selecting the right animal to feed and the importance of proper rationing for best results to suit market demand will be stressed.

Prices Down

WASHINGTON (UPI) — The Agriculture Department said Friday that prices farmers received for crops and livestock dropped by one per cent during the month ended Aug. 15.

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4-H NEWS

SHASTA CHAMPS

Aug. 13 the Shasta Champs held a meeting at Mr. Wagoner's home. We discussed the fair, where our pens would be, and made some conduct rules. Lloyd Wagoner gave a demonstration on how to show hogs. We turned in our completion cards and the meeting was adjourned.

The Shasta Champs had a weighing tour for their monthly meeting. We started by weighing Dennis Crowell's hog and then weighed the other members' hogs. We ended by having a picnic at our leader's home.

Ricky Schmeck, News Reporter.

LANGELL VALLEY CHAMPS

The Langell Valley Champs held their ninth meeting at the Bonanza Big Springs Park on Aug. 4 at 5 p.m. This was a pot-luck picnic.

The business meeting was held after a game of baseball. During the meeting the members worked on their records and received their completion cards. Club leader, Dick Botens, explained the reason why the exhibit entry blanks should be sent in immediately.

After the business meeting, the members and guests enjoyed more baseball.

Lydia Rosandich, News Reporter.

PINE GROVE LIVESTOCK CLUB

The eighth meeting of the Pine Grove Sheep Club was held at the home of Dr. W. F. Dean on July 23. The community project committee gave a report on the bulletin board. Dr. Wedam will find out how much it will cost to have a bulletin board. Mrs. Dean, who was present at the treasurer for the picnic. Dr. Dean then showed us how to fill out the record books. Record books will be checked and corrected at the next meeting.

Marilyn Reed, News Reporter.
By Karen Eden.

Expert Sees Boost In Wheat, Hay Crops

When the 1963 harvest is over and final counts made, Oregon growers expect to find smaller fruit, nut, vegetable and feed grain crops, but more wheat and hay, reports Mrs. Elvera Horrell, Oregon State University extension agricultural economist.

Apples and walnuts appear to be the only tree crops in the state with prospects for a larger harvest this year, she noted from U.S. Department of Agriculture reports and other information Oregon's apple crop may top 1962 by nine per cent and there may be 17 per cent more walnuts than last year's short crop.

This would result in an above-average crop for apples, but still much below average for walnuts, she pointed out.

Oregon's peach production looks to be the smallest since 1950. Bartlett peaches are only half of last year's record crop and winter peaches may have been cut by nearly a third. Western Oregon's prune crop was practically wiped out by April's poor pollinating weather. Young orchards in Milton - Freewater will account for the state's prune crop this year.

Poor pollinating weather reduced sweet cherries to only about half of 1962's output and sour cherries amounted to only little more than a fourth of last year's record high. Mrs. Horrell noted. Fibers, hard hit by a mid fall, appear to be down some 15 per cent, the lowest since 1956.

Unfavorable growing weather cut strawberry production 11 per cent under 1962 and three per cent below average. Fewer boysen, young and loganberries are expected this year, but more black raspberries and about the same volume of red raspberries. Sweet corn and snap peas, two of Oregon's major vegetable crops for processing, may also be lower. However, the expected one per cent drop in snap beans

would still leave this crop the third largest of record and a fifth above average, she continued.

Green peas may turn out as much as six per cent below last year's near average crop. No estimates are yet available on beans and sweet corn for processing, but beet acreage is up this year and sweet corn is in better condition than this time last year, Mrs. Horrell observed.

Oregon's late summer potato crop looks to be six per cent below last year and 11 per cent below average. Fall acreage is down 1,000 acres or four per cent from last year. Prospects are for fewer sugar beets in the state.

Oregon feed grain production is expected to be down 12 per cent this year, as less oats and barley more than off-set gains in corn. Food grains may be up four per cent, with both wheat and rye topping last year.

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