

Tissue Culture Vaccine Suggested For Chickens

The Poultry Disease Committee of the Oregon Poultry Council has proposed that the Oregon Department of Agriculture permit the use of only tissue culture vaccine and killed virus vaccine for the prevention of Newcastle disease in chickens.

This recommendation was made to the department at a meeting of the committee with representatives of the department of agriculture and Oregon State University in the Agriculture building, Salem.

The restriction would not apply to turkeys because the efficacy of the tissue culture product has not yet been well established in this species.

However, some Oregon turkey producers have been using this product and have not reported any very serious problems.

Dr. Glenn B. Rea, state veterinarian, Oregon Department of Agriculture, said the use of tissue culture in chickens has been widely researched and proven highly effective and efficient.

Tissue vaccine is made from the culture of tissue media as opposed to recovery organisms from diseased birds. It is a live vaccine but the process used in its production has eliminated the potential of spreading the disease through its use.

The other live vaccine presently in use poses the danger of the disease spreading from birds on which it has been used and from the premises where the vaccine was used for a period of two to four weeks.

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PPL Fetes Leaders At Banquet

ALTURA—Over 100 4-H leaders and guests were honored in Alturas at the annual 4-H Leaders Dinner given by the Pacific Power and Light Company recently.

Novel Eastin, manager of PPL, told the leaders, "The organization of 4-H depends on you leaders, and we (PPL) like to give you recognition for the many hours spent in teaching the young people."

Nine of the 10 clubs in Modoc County were represented at the large gathering. Guest of honor was Modoc County's two "4-H All Stars," Carol Jackson and Bob Carman of Tulelake. Carol, who is a senior at Tulelake High School, has spent eight years in 4-H work. She told the guests that, "4-H has meant much more to me than money from the club."

She also emphasized the importance of leadership learned in 4-H and stressed the common bond of 4-H throughout the world for all members.

Bob Carman is a member of the Cascade 4-H and is a junior at Tulelake High. He told the leaders that he is in his seventh year of 4-H at Tulelake and is the third generation in 4-H to participate in the 4-H program.

"From the wonderful experiences I have had with 4-H and the things of value I have been taught, I am now sure that I will find my children eventually be the fourth generation of our family working in 4-H."

A total of 161 years of service in the club work has been given by the Carman family to 4-H according to family figures.

Caution Urged At Power Line

One of the easiest and most effective ways for a farmer to control weeds is to pick up a section of aluminum irrigation pipe, hold it vertically, and walk under a power line.

Aluminum is an excellent conductor of electricity, points out Marvin Shearer, extension irrigation specialist at Oregon State University. Each year, several newspaper headlines from different parts of the nation tell of farmers electrocuted when they touched a power line with an aluminum irrigation pipe.

This type of deadly accident is absolutely unnecessary, according to Shearer.

Standard operating procedure for anyone moving irrigation pipes should include the cardinal rule, "always hold the pipe horizontally, and watch out for overhead electrical power lines."

Water and electricity are a dangerous combination anytime, warns Shearer. Never set sprinklers so that water hits power lines. Keep water from collecting near your pump. Be sure the pump and electrical system are properly grounded, and have them inspected regularly for safety, by your power company, he suggests.

He points out that if wheat is to be the only grain used in poultry rations, its price must reflect the difference in feed efficiency between wheat and corn. OSU trials show that an all-wheat ration for broilers is 98 per cent as efficient as a corn ration. For layers, the wheat diet was 85 per cent as efficient. However, a combination of equal parts corn and wheat was as efficient as corn alone. At present, it appears that the price of feed wheat compares quite favorably with that of corn.

Copies of the poultry feeding research report may be obtained from the Department of Poultry Sciences, Oregon State University, Corvallis.

HERALD AND NEWS, Klamath Falls, Oregon

Tuesday, March 20, 1965 PAGE-13



TULELAKE ALL STARS HONORED — At the recent annual 4-H Leaders Dinner, given by Pacific Power & Light Company, over 100 4-H leaders were in attendance with the guests of honor being Modoc County's two "4-H All Stars," Carol Jackson and Bob Carman, both of Tulelake. Shown above, left to right, are Novel Eastin, PPL manager, Bob Carman, Carol Jackson and Robert Savage, county 4-H adviser, discussing 4-H work after the dinner.



Combining Corn Makes Good Feed

Wheat is a good poultry feed—but combining it with corn uses it even better.

Results of wheat feeding trials at Oregon State University show that complete replacement of corn with wheat in poultry rations will result in some decrease in overall performance. The research is reported in the fall issue of Oregon's Agricultural Progress, published by the OSU Agricultural Experiment Station.

According to George Aracot, OSU poultry scientist, a corn and wheat ration fed to broilers showed a 98 per cent efficiency in feed conversion compared to a wheat-only ration.

This type of feed efficiency is important, he says, because of the increase in carcass pigmentation, which is also a problem with wheat-fed broilers.

The broiler study showed a significant decrease in body weight, poorer feed conversion and less shank pigmentation in broilers fed wheat compared to those fed corn. However, the studies showed no significant difference in egg production between layers fed wheat, corn, and a combination of both.

Hens fed wheat ate a little more feed, which meant more feed required per dozen eggs. Feeding more wheat also decreased egg size and yolk color. However, the appearance of the yolk from the wheat-fed hens is not objectionable, according to Aracot.

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CLIPPING NEEDLES A special meeting was held on grooming and changing your personality at the home of Mrs. Dale Jefferson, leader of the Clipping Needles.

All the members continued knitting on their projects in preparation for Spring Fair, June 10.

LEAH HALL News Reporter.

4-H Activities

HAPPY APPLE TARTS The Happy Apple Tarts Foods and Clothing Club met at the home of their leader, Mrs. Frank Gannog, on March 12. Mrs. Buck was a visitor at the meeting. Mrs. Gannog gave a demonstration on how to make a skirt.

BUSY BAKERETTES The Busy Bakerettes met at the Bonanza School. Activities included the choosing of a committee to figure out a community project. Mrs. Ruth Rice gave a demonstration on how to make a pie. Mrs. Drew made muffins to show to the Easy Meals group who make muffins as their project. Mrs. Willis made some raw vegetable snacks for the group.

At the end of February the group toured a local meat market in Bonanza and at the meeting two people brought cookies and a thank you letter was written which Mrs. Rice delivered to the owner of the meat market.

KATHY RICE, News Reporter.

NORTH KLAMATH LIVESTOCK CLUB Jeff Hagelstein was host to members of the North Klamath Livestock Club at his home on March 10. Mr. and Mrs. Hagelstein and Glenda Buchanan were visitors. Roll was called and the flag salute was given by Jeff Hagelstein and Angie Bonetto.

Bob Burris gave a report on sheep diseases and Bob Buchanan gave his report on cattle diseases including blood, red rot, grub, ringworm, etc. The next meeting will be at Shaker's at 7 p.m. on April 14.

KENTUCKY COAL HARLAN, Ky. (UPI) — Kentucky produced its three-billionth ton of coal during January, 1965. Harlan County produced about one-sixth of this total.

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OSU 4-H Field Day Scheduled

Several Klamath County 4-H club members will give Oregon State University animal science research projects first hand on Tuesday when they attend the OSU 4-H Field Day at Corvallis on Saturday (April 3, April 10).

The event sponsored by the OSU Cooperative Extension Service and animal science department. The program was planned by the department under the direction of Dr. J. C. Miller, department head, and is open to all 4-H beef, sheep and swine field day club members.

Part of the day will be spent in the OSU animal barns where club members will learn about management practices, equipment and research programs at Oregon State. He noted, in addition to having an opportunity to inspect OSU's beef, sheep and swine herds.

The remainder of the field day will feature lectures emphasizing nutrition and genetics. The OSU faculty members will use animals from the Small Animals Laboratory to illustrate lessons in both areas.

The lessons on genetics and nutrition reflect the increasing emphasis on science in 4-H club projects. Participants will be given a tour of the OSU extension agent, as well as the increasing number of 4-H beef and sheep breeding projects.

All instruction during the field day will be presented on two levels. Morning reports classes will be held for club members age 9 through 11 and for those 12 and older.

All Klamath County 4-H club members enrolled in beef, sheep or swine projects and their club leaders are eligible to attend. Francis Skinner pointed out. Those wishing to attend, but who have not yet made arrangements for going should contact him at the county extension office.

PROVIDES BIRD HOUSES THETFORD, England (UPI) — The Forestry Commission has gone into the home building business here—putting up bird boxes to replace the natural nesting places which have disappeared during a drive to cut down hollow and dangerous trees.

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Feed Grain Participants Qualify For Price Aid

Growers who participate in the 1965 feed grain program support their 1965 crop of barley, Earl Wilson, chairman, Agricultural Stabilization and Conservation County Committee, has announced.

As for the past two years, support for the crop will be made available partly through loans and purchases and partly through price support payments. While rates of aid vary by counties, rates of the price-support payments are the same throughout the county. Loans and purchases for the 1965 crop will reflect the national average rate of 80 cents per bushel for barley (except eligible barley produced under the marketing barley exemptions, for which the rate will be 90 cents per bushel). Participating farmers will be able to put all of their 1965 crop of barley under the price-support program.

4-H NEWS Feb. 17 was the meeting date of the North Klamath Livestock Club which met at the home of Joe Leonard. Harold Brown was a visitor at this meeting. Mrs. Nigus gave a report on the Officer's Meeting. Roll call was suggested.

Beef and sheep advancement and enrollment cards were filled out. Reports on diseases (beef and sheep) were assigned.

Rope halters are to be made in May, a meeting at Shaker's in April, and continuing development of a community project are all on the agenda for the future.

GRUBSTAKE NEW YORK (UPI)—Chemical companies will put up a \$100 million grubstake this year to hunt for new sources of phosphorus, rock, potash, salt and similar inorganic raw materials, according to Chemical Week.

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Plan to use Diazinon for effective wireworm control this season and you'll solve the residue problem at the same time.

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