

Herald and News FARM NEWS

CONRAD L. LOHOEFER
Farm Editor

Newcastle Disease Discussed at Poultry Meeting by Producers

Newcastle disease is a subject which has been causing considerable discussions in the Klamath area. It was given a thorough going over in a recent poultry meeting. Dr. E. M. Dickinson, department of veterinary medicine, at Oregon State college, gave a thorough discussion on this important disease.

The first descriptions were in England, in 1927, where poultry flocks were found infected with a contagious and fatal disease, and it was called New-Castle at that time. A number of years later, a similar condition was found in a few isolated cases in California.

Breathing Trouble
Newcastle disease, in the U. S., shows up mainly as a contagious respiratory and nervous trouble. This disease may result in varying degrees of mortality in brooding chicks. Death loss may run from 25 per cent up, but young birds on the range usually show much less loss, and in cases of laying flocks, death may be less than 1 per cent.

4-H Officers Hold Saturday Training Meet

Officers of all Klamath County 4-H clubs will have an officers' training meeting Saturday, November 12 at the pavilion at the fairgrounds, F. A. Skinner, county club agent, announced.

The hours will be from 10:00 until 3:00 and those attending are asked to bring a sack lunch.

Special training will be given to each group of officers. Skinner added. But, the meeting won't be all work and no play. Jesse Mae Malilleu, extension recreation specialist, will be on hand to give hints on recreation leadership as well as teaching club members games and songs.

Wheat Good For Fattening Cattle, Lambs

Let's keep more feeder lambs and cattle in the state and fatten them on Oregon wheat, writes an OSC extension animal husbandry specialist, Harry Lindgren, in a new extension bulletin, number 693, entitled "Feeding Wheat to Livestock."

Interest in wheat feeding increases whenever surpluses appear and when prices tend to stay no higher than support levels. Prior to the war the Oregon experiment station conducted extensive feeding experiments with surplus wheat supplied by the federal government and determined when it is economical to feed wheat in various livestock operations.

Feeders
Lindgren points out that it has been customary to ship feeder lambs feed wheat has been frequent. This despite the fact that surpluses and cattle to other areas for sale. Experimental results at the college showed that wheat is equal to corn and barley for fattening hogs. It requires about 7 1/2 bushels of wheat to fatten a 30 pound feeder pig to a 200 pound market weight.

With wheat as well as other grains, protein supplements—tankage, fish meal, or some other high protein concentrate—is required to make the proper balance between carbohydrates and proteins.

Feed With Hay
Lindgren says wheat may be used satisfactorily to fatten lambs and cattle. It will require about 800 pounds of ground wheat to put a 650 pound yearling feeder steer at market weight. The wheat is best fed with hay.

Use of good alfalfa pasture during the fattening period will reduce grain requirements as much as 25 to 30 per cent and animals will grade higher at market time, the specialist emphasizes.

Copies of the bulletin are available through county extension offices or by writing direct to Oregon State college.

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This disease may also cause paralysis or twisting necks and quite often birds go down in the legs, not able to walk and obtain food. Grown birds quite often lose body weight and are poor in condition, and laying flocks drop off very rapidly in egg production, for a considerable period of time.

Although difficulties in breathing are one of the most noticed indications of Newcastle, they are so similar to other diseases, that it is impossible to tell Newcastle from the inspection of a flock. Newcastle can be so easily confused with other types of poultry troubles, that blood tests are the only definite means of diagnosis.

Newcastle is highly infectious and can be easily spread by poor sanitary conditions, operators and field men, going from one flock to another, and exchanges of birds, which come from Newcastle flocks, and the use of infected crates. When Newcastle is suspected in the area, the flock should be isolated and visitors should not be permitted.

Vaccinations
Vaccination with dead vaccines, or modified vaccines are not recommended at this time. In fact, it is against state regulations to vaccinate without written permission from the state department of agriculture. The use of vaccinations is illegal, unless a representative of the state department inspects the situation and allows a permit. The vaccination for Newcastle with the present vaccines on the market, can be more serious, in some instances, than the contraction of the disease.

With vaccination, young birds will be retarded in development for at least two weeks, or a laying flock will be reduced to practically nothing for a period of several weeks.

It should be emphasized that ear-cases or live birds suspected of having Newcastle, should not be sent by express or parcel post. If the birds are to be inspected at the Oregon state poultry laboratory, the birds should be taken there in person, or better still, blood samples sent. Birds with infection, either dead or alive, can be a source of disease spreader in airborn cars, or other shipping means, when there is a possibility of live birds also being shipped by the same carrier.

There is no known medicinal cure for the disease at this time. Make it as easy as possible for the birds to get food and water, by placing the container on the floor. Use all sanitary precautions while the disease is running its course. Do not spread it by going to the poultry farms or allowing others to go from flock to flock. Use self quarantine methods on your flock, which will be one of the greatest helps in reducing this and other poultry disease problems.

Portland Cow Holds Record

Linnere Hazel Lols (G.P.), registered Holstein-Friesian cow owned by Lindow Brothers, Portland, has set a new state production record, according to The Holstein-Friesian association of America.

"Lols" takes the lead for all of Oregon's junior 2-year-old Holsteins milked three times daily in the ten-months' division, with the production of 577 pounds of butterfat from 12,463 pounds of milk testing 4.6 per cent.

Qualifications for the ten-month division of the advanced registry include special calving requirements in addition high production records. These requirements are intended to place emphasis on reproductive qualities as well as productive ones.

The U.S. Bureau of Mines estimates zinc-lead deposits in the tri-state district of Missouri, Kansas and Oklahoma at 66,100,000 tons.

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CHEMICAL SPRAYING FOR CATTLE LICE—Robert W. Every, Oregon state entomologist, is pictured administering a spray to kill cattle lice on cattle at West Lyon's farm near Merrill. Several spraying demonstrations were held by the department of agriculture in this area last week.



DOES EVERYTHING BUT GIVE MILK!—This miniature Guernsey looks like a cow, breathes like a cow, turns its head like a cow, wags its tail like a cow, and formerly chewed its cud like a cow, except that Bud Franklin of Lost River Dairy, Bossy's sponsor, can't make it chew any more. Bossy, the kiddies' delight wherever she appears, will be moved from store to store as a display piece.

Achievement Week Winds Up 4-H Year

National 4-H club achievement week, November 5 to 13, marks the close of the 1949 and the start of the 1950 club year. The local 4-H club office reports that Oregon had 28,000 boys and girls organized into 3400 local 4-H clubs during the past year. Klamath county had some 1000 club members in 101 clubs throughout the county.

4-H club work, open to any Oregon youngster between 9 and 21, is based on project work which is started and completed during the course of one club year. It may include anything from membership in a health club—one of the popular projects last year—to feeding and caring for a market steer. Club members may choose one or more of about 25 different projects. F. A. Skinner, Klamath County club agent, explained.

Backbone of the Oregon as well as any other state's 4-H club program are the volunteer local 4-H club leaders. In Klamath county some 150 volunteer adults and older club members joined in making the program possible. At the present time clubs are being organized for the coming year.

During the club year just completed, members of clothing clubs made 30,000 articles which includes 3500 remodeled garments. Cooking club members prepared 140,000 dishes and served 35,000 meals. Six hundred members of food preservation units froze or canned 75,000 quarts of meats, fruits and vegetables.

Livestock club members owned 8200 head. Poultry and rabbit club

Quotas Urged For Potatoes Next Year

There can be no doubt that a strong effort will be made in the new congressional session to provide marketing quotas for potatoes reports Whitney Tharin, executive secretary of the national potato council.

Several congressional leaders have all advised the national potato council that they will press for marketing quotas for potatoes in the next session.

The department of agriculture has long advocated a marketing quota for potatoes, so its recommendations along this line undoubtedly will be given considerable weight by the members of the senate and house who are also insisting upon marketing quotas for potatoes.

In view of this, the national potato council will be required to take a position one way or another in regard to quotas. The council meets

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Spraying May Check Cattle Lice Increase

Lice conditions on livestock are bad this year and the department of agriculture is now taking steps to check the spread of these conditions by cattle spraying in the Klamath area.

Last week several spraying demonstrations were held by J. D. Vertrees, assistant county agent, and Robert W. Every, extension entomologist from Oregon State.

Chemicals Used
Every pointed out as the spraying cattle is almost as good as the dipping process and much easier and faster. By use of the portable spray, a mixture of rotenone and methoxychlor or sometimes DDT is sprayed on a small group of cattle from 10 to 12 in a day. All of the insecticides are safe materials, however, DDT is not recommended for use on dairy animals.

"We cannot completely kill all the lice by this spraying method, but we can check their multiplication and keep them in control," Every said.

Any information desired about the spraying system or lice control may be obtained by contacting the department of agriculture in Klamath Falls.

Farmers Boosted By New Drug

WASHINGTON (AP)—The development of penicillin has proved a boost for farmers according to reports of the department of agriculture. Corn steep liquor and milk sugar are used to make penicillin.

Studies are being pushed to develop other fermentation products in antibiotics, feed yeasts, vitamins and alcohol, the department says. One project is growth of mushroom spawn which is said to have as good food qualities as yeast and taste better.

Other projects now try to find ferments that will use fruit pulps, dairy by-products, and cannery wastes.

VIDEO SET GOES
ARLINGTON, Va. (AP)—Everybody had a good time at the television party Ronald Macdonald gave at his home—especially the guest who walked off with the television set.

In Washington, November 28 and 29.

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Nursery Authority Gives Tips, Advice For Trees, Shrubs

By MRS. W. P. MYERS
Of Lakeshore Gardens Nursery

Trees are like people. They are known by their characteristics and important contributions to society. The groves were God's first temples: in the cool and silence, man knelt down and offered solemn thanks. The tree is a friend of man. It gives him shelter from storm and shade from burning sun, and he owes it to himself to see that street and roadside shade trees are given their well-earned place in the universe.

There is a constant demand for information as to best variety and the time to plant trees and shrubs in this area. It is true that climatic conditions limit the variety to some extent; however, there is an abundance of material from which to choose the tree or shrub you need.

Altitude
This high altitude of over 4000 feet requires a hardy, cold resistant type of tree or shrub. Time and experience has shown us what, when and how to plant and until they are good planting time. The advantage of fall planting is that the plants may have the winter to become settled in the ground and be ready to start growing in the spring without shock or setback from handling.

Deciduous trees and shrubs should be planted when they are dormant or partially dormant. Plant them any time after they stop growing in the fall and until they begin new growth in the early summer. The best time to plant over-sized trees is during the winter months, while they are completely dormant and may be dug bare root and transplanted to their new setting without permanent injury.

Evergreen trees which are not too large may be planted any time, since they are balled in earth and roots are not exposed to the air. Even deciduous trees and shrubs if balled in earth may be planted almost any time with success.

Planting
After selecting the place to plant the tree, dig a hole larger than the outer edge of the roots or the ball of earth, place the tree in it, fill the hole half way up with top soil and turn in water to wash the soil down around the roots, then fill in soil to the top and water again, after which place a mulch of dry dirt on top. Use fertilizer very sparingly, but a mulch of barnyard fertilizer may be spread around the tree after it is planted.

When planting choose the tree best suited for planting in a particular soil and location, keeping in mind whether it is for shade, shelter or strictly ornamental.

Shade
If a dense shade is needed, choose Chinese Elm, Black Locust, Weeping Willow, Norway Maple, Silver Maple, Green Ash, American Elm and Black Walnut, all of which are rather fast growing and resistant to winter breakage, but is perhaps the fastest growing of all shade trees.

Other shade trees which are slower growing, but ultimately reach a large size, are American Linden, Horse Chestnut, Tulip Tree, White Red, Scarlet and Pink Oak.

Of the smaller growing shade trees, we have Schwidder Maple, Sugar and Scarlet Maple, Mt. Ash, Variegated Box Elder, and Crispin Maple, which made its appearance on the market last year but were in such demand that all the stock was sold out and are not available this year.

The most outstanding of all flowering shade trees is Paul's Scarlet Hawthorne. The many Hawthornes which were planted in Klamath fallowall TV.

Falls last spring in answer to the campaign promoted by your Garden club is most gratifying. We are well on the road to becoming the beautiful Hawthorne city of our dreams!

Flowering Trees
Nothing adds so much to the beauty of the landscape as lovely flowering trees in their season. The small flowering and shade trees are desirable for parking space or front lawn and should be used when a heavy shade is not needed.

The smaller growing tree has many advantages. It does not grow into overhead wires, requires very little trimming, and does not shut off the view of the street as does the larger growing shade trees.

We have many beautiful flowering shade trees. The purple leaf flowering plum comes in single and double pink blooms. The single variety blooms before the leaves appear, while the double flowering blooms in May when leaves are out. Flowering Plums with their purple-red foliage present a gay atmosphere in the landscape throughout the summer.

Japanese Flowering Cherry, which will ultimately reach the size of a cherry fruit tree, comes in all colors from rose to white. The double dark pink Kwanzan is the most popular. These are the flowering cherries of national fame, which were presented to Mrs. Taft by the Emperor of Japan during President Taft's administration and planted on the banks of the Potomac.

Crab Apples
There are so many different varieties of flowering crab apples, all of which possess a special beauty, that I have not space to mention all of them. The two most popular are Hope Crab, with single dark red flowers, reddish leaves and dark red fruit, which holds on until late winter; and Bechtel's Crab, a small tree with large double pink blossoms in clusters.

Of all the ornamental shade trees, I place Cut-Leaf Weeping Birch first. It's tall white-barked trunk with graceful leafy branches reaching to the ground suggests a pattern of rare lace with the sun shining through.

For specimen planting or screening background we have the charming Weeping Cherry, both single and double flowering in early spring.

Florabunda Crab is a small semi-weeping ornamental tree which is littered with single pink flowers over a long period and makes a pleasing picture in the landscape wherever planted.

Ornamental
Rose Acacia or Moss Locust is one of the most valued ornamental flowering trees, in either upright form or grafted standards. It carries long racemes of pink peashaped flowers in the spring, with continued blooms on new growth throughout the summer.

Other ornamental trees include umbrella trees, of several varieties, and Globe Locust.

Fruit trees are ornamental as well as useful. No backyard planting is complete without a few well chosen fruit trees. They give shade and beauty as well as fruit in season.

The tall growing evergreens, useful for specimen planting, windbreaks, or roadside planting, include spruce, fir, pine, cedar, hemlock and juniper.

Colorado Blue spruce is the most admired and widely grown of all American evergreen. It is a native of the central Rocky mountain region and is of rather slow growth, but ultimately may reach a height of 100 feet. It is the choice Christmas tree for the front yard and its pyramidal crown with silvery blue foliage makes it a striking feature of any landscape.

Spruce
Englemann spruce resembles Colorado Blue, and grows in the high elevations of the Rocky and Cascade mountains. Ordinarily it is deep blue green, but some are silvery blue. Its singular beauty of color and form makes it favored for landscape purposes.

Norway Spruce, the common spruce of Europe, is widely planted in this country. Because of its hardiness and fast growing qualities, it is favored for windbreaks and shelter belts in western prairies. It not only makes a good screen or windbreak but is regarded only

Land Bank Increases Loan Limit

The Federal Land bank of Spokane has increased its maximum loan limit from \$50,000 to \$100,000, Henry Matthews, president, announced recently.

"With the expansion of larger operations in the four northwest states, particularly in the past 10 years, the demand for financing in excess of the \$50,000 limit increased," Matthews said. "The \$100,000 limit now available places the bank in a position to more adequately serve those who, by reason of financing requirements in connection with their extensive operations, have been precluded from participating in this system."

Although the loan limit has been doubled, Matthews explained that the bank will continue to apply its normal agricultural value yardstick. The bank's loans, he said, are based on 65 per cent of the normal agricultural value of a farm or ranch as determined by appraisal.

second to the Colorado Blue spruce for specimen planting.

Oregon fir is available from our native forests or may be purchased from nurseries. White fir is the most beautiful of the first found on the Pacific coast. It is of pyramidal form, with silvery gray needles and tapering branches reaching to the ground. Balsam fir is another grand tree found in our native forests. It is of symmetrical form, with blue-green leaves, shiny on the upper side and grey green underneath. The arrow-headed deep blue green spruces of Balsam fir add a note of forest interest to the landscape.

Incense Cedar
California or Incense cedar is common in Oregon forests and easily transplanted. It is a rapid grower and is useful for either windbreak or specimen planting. The pungent aromatic odor of the leaves gives rise to the name of Incense cedar.

Scotch and Austrian pine are mostly used for screens or windbreaks. Their dense foliage and spreading habit places them among the best for this purpose.

Ponderosa pine is a majestic tree in the forest, rather slow growing and gets too large for ordinary use; but is suitable for roadside planting or woodland area.

The Sierra or common juniper is another interesting native tree which may be transplanted from the wild and become a valued item of the landscape.

Editor's Note: This article on trees and shrubs will be continued next week by Mrs. Myers.

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