

TUALATIN VALLEY FARM NEWS

Soil Fungus Drug Shows Promise But Not 'Cure-All'

In the last few years, many of us have read and heard a great deal about streptomycin, a newly developed drug derived from a soil fungus. Streptomycin and its derivative, dihydrostreptomycin, have thus far shown much promise in the treatment of certain diseases, particularly some forms of tuberculosis.

Streptomycin is the drug which shows the greatest promise of any drug yet used in tuberculosis treatment, but it is not a "cure all" and it has certain limitations. It is not a specific cure for tuberculosis, but rather a valuable adjunct to other forms of treatment for certain types of tuberculosis. When used, it is always a part of the whole program of treatment and should be given only under strict medical supervision.

Streptomycin has been used with particular success in miliary tuberculosis and tuberculous meningitis—forms of the disease which until streptomycin was discovered were almost invariably fatal. Even with these forms of the disease, however, recovery is not always absolutely certain following streptomycin treatment.

There are certain handicaps to using streptomycin. One is the fact that the tuberculosis germs of the patient receiving the drug frequently develop resistance to it and the drug then loses its effectiveness. Another handicap of streptomycin is the toxic reaction it causes in some patients, such as disturbance of equilibrium.

Dihydrostreptomycin, which has been in use for the past year and a half, appears to be less toxic than the parent drug. Studies are also being made to determine the dosage of streptomycin which will cause the least toxic effects.

Streptomycin cannot be considered a substitute for other proved forms of treatment for tuberculous patients. It will not effect a "cure" for tuberculosis. To date, there is no such thing as a "miracle drug" which constitutes a specific, quick cure for tuberculosis, but streptomycin is the most effective drug known today in tuberculosis treatment.

This column is prepared by: Washington County T.B. & Health Association, Inc.

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Friday, January 20, 1950



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Now you Know!

The answers to everyday insurance problems*
By Leonard Adams



QUESTION: If we carry a public liability and property damage insurance policy on our car and are sued as the result of an accident, who defends the suit? I mean does the insurance company defend the suit or is their liability limited to the payment of any damages awarded if the case is decided against us?

ANSWER: Under terms of a public liability policy, the insurance company assumes full responsibility for defending any suits brought against the insured as well as for payment within the limits of the policy, of any damages awarded against the insured person. Also within the policy limits, the company will pay other costs legally assessed against the insured as a result of the suit.

* If you will address your own insurance questions to this office, we'll try to give you the correct answers and there will be no charge or obligation of any kind.

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MAKING TEST FOR BUTTERFAT



FIRST STEP

SECOND STEP



THIRD STEP

FOURTH STEP

DETERMINATION OF BUTTERFAT, by which cow and herd records are obtained, is demonstrated by Joe Bilyeu, tester for the Washington county Dairy Herd Improvement association. Four steps are shown above, for illustration purposes.

In the first step, Bilyeu is shown drawing 17.6 cc's of milk sample into a pipette for transfer to a long-necked test bottle. Second step, he is pouring 17.5 cubic centimeters of sulphuric acid into the test bottle. Effect of the acid is almost immediate, as is shown by the clear portion at the bottom of the bottle, below the milk. Water is added in quantity required to bring the level into the test column neck of the bottle.

In the third step, the bottles are shown in the 24-bottle capacity electric centrifuge, where they go after preliminary agitation by hand. The machine action thoroughly mixes milk and acid and results in complete disintegration of milk solids.

Fourth and final step of the test shows Bilyeu with callipers reading butterfat content floating at the top of the bottle neck. This figure is translated to percentage, by which the volume of milk from which the sample was taken is multiplied to obtain the pounds of butterfat.

The advantage of herd lactation records is the check they give on production, making it easier to cull unproductive cows and single out most productive ones for calves.

(Photos by Wally Kain)

County Dairymen Expect To Attend Bred Gilt Sale Set For Feb. 4th

A delegation of Washington county dairymen are reportedly planning on attending the 56th state dairymen's convention which will be held at Eugene, January 23, 24 and 25. Arthur Ireland, of Forest Grove, is chairman and A. W. Lindow, of the Bethany district, near Cedar Mill, is first vice president.

The state dairymen's association is of an educational nature, concerned with all dairy problems. It is setting up convention headquarters in the Osborne Hotel but all general business sessions will take place in the Lane county circuit courtroom. The convention is open to anyone interested.

Included in topics to be discussed are dairy products promotion, disease control, herd improvement, artificial breeding, future state program, marketing problems and Agriculture's public relations problem. A report, with colored slides, will be made on a trip to the World Dairy Congress last year, in Sweden.

Henry Hagg, of Reedville, is included as one of the convention speakers. Senator Wayne L. Morse will also discuss the all-out fight on the reduction of oleomargarine taxes, as is being carried out in Congress this session.

County Extension Unit Meet For Facts On Cancer

On January 23 at 10:30 a. m., project leaders from the extension units of Washington County will attend a meeting on cancer control conducted by county health director Carl F. Tarlowsky. Dr. Tarlowsky will give these project leaders information on the detection and control of cancer, and show a film on the subject.

Fern Hill extension unit will serve the lunch during the noon hour for the Azalea House project. Cancer, or more accurately that group of malignant diseases which we usually mean when we say cancer, has become the second most frequent cause of death. In 1948, 1886 people were reported to die of malignant disease in Oregon.

It is quite reliably estimated that each year there are two new cancer cases for every 1000 individuals. This means that about 3000 people in Oregon can be expected to develop cancer during the year.

Some of these cases have already been recognized and placed under treatment, but a fairly large number are probably not yet recognized and, what is more important, probably will not be recognized until too late for any chance of complete cure. This group of 3000 individuals may be divided statistically into three groups.

About half or 1500 individuals will die of this disease because there is as yet no satisfactory treatment or because the disease starts in an inaccessible area per-

Oregon Purebred Swine Breeders association, February 4, will hold the fifth annual bred gilt sale at the Oregon State Fair grounds in Salem. Swine growers wishing to take advantage of the event may obtain further information from the county agent's office, in Hillsboro.

This activity is a forerunner to the annual Oregon market hog and carcass show of the association, which will be held this year in the Pacific International Livestock Exposition building, in Portland, April 4 and 7. Purpose of the show is to familiarize producers with present swine market demands and the type of animals most readily wanted.

One entry will be allowed from each breeder. It will consist of one pen of three or a single market hog. From a pen of three, a breeder may select one animal to be entered in the single swine class. March 20th is the close of entries, being handled by Ben Newell, Marion county agent at Salem, who also serves as secretary of the association.

Live hogs will be shown April 4. The carcasses will be judged three days later, April 7. Weight limits on live entries approximates 180 to 220 pounds.

One hog from each producer will be slaughtered for the market on test. One half of the carcass will then be cut into primal cuts to determine yield. Any swine grower is eligible to compete whether or not he belongs to the breeders association.

C. E. Strecher, of Beaverton, is one of the members of the show committee.

mitting the growth to become too large for treatment before it is detected.

About one-fourth or 750 people can be expected to obtain adequate treatment early and will join the group we call "five-year survivors."

The remaining 750 can be expected to die of the disease because they fail to seek proper treatment as soon as dangerous symptoms appear. It is this group to which our attention should be directed if we are to attain any immediate improvement in the mortality of this malignant disease. Certainly any disease or group of diseases responsible for so many deaths constitutes a public menace and a serious public health problem.

Regular physical examination by your doctor is recommended, especially if you are over forty or if you become aware of any one of the seven danger signals frequently associated with malignant disease. No amount of medical, surgical hospital or nursing care can save the person who waits too long.

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Co. Agent Offers Testing of Soil In "Lull" Season

Testing of soil samples for acidity and for phosphate content is offered by the county agent at Hillsboro during the lull season before the beginning of spring work. Wilbur Burkhardt, assistant county agent, is in charge of the tests.

The purpose of testing is to determine lime needs of soil, as determined in computing acidity, and as a fertilizer guide through the test for phosphate.

Actual service requires about 10 minutes, Burkhardt explains. However, it is necessary that the sample be absolutely dry before the test begins. Wet soil must be air-dried, either by exposure to the air or through blast from a blower.

To take a sample, it is recommended to spade out a shovelful six inches deep. A slice the full depth should be taken, about one cup in quantity.

There is no need for more than two samples for a field. One is advised for poorly drained and one for well drained sections. Along with the test results, a sheet is returned recommending soil treatment according to the crop to be planted.

Farmers who plan to take ad-Marketing Administration schedule for use of lime are urged to have a soil test made for guidance.

Tests will be run once each week, until the start of the spring work season.

BLAMES THE PARENTS

A public officer, speaking in La-Grande, declared he knew full well where the blame of juvenile delinquency lays.

As covered by the EASTERN OREGON REVIEW, the speaker declared it is more a matter of delinquent parents rather than juveniles. He stressed the importance of religious training of youth and urged the introduction of youngsters to police officers as their friends.

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NATURAL vs. ARTIFICIAL INSEMINATION

NATURAL SERVICE:

Cornell University's 1943 study of comparative efficiency between 1000 natural services and 1000 artificial services showed one-tenth of one per cent higher efficiency with artificial methods.

Later studies give even greater advantage to artificial service.

ARTIFICIAL INSEMINATION

Washington Co. Average 67.3%*

Efficiency Report on
242 Cows

Oregon State Average 64.6%*

Efficiency Report On
1258 Cows

*Apparent conception rate for month of October, 1949.

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Building a new Kitchen?



Here is a practical folder chuck-full of exciting new ideas to lighten your work of meal planning and preparation. It contains a complete floor plan of an up-to-the-minute kitchen, together with scale drawings of 16 labor-saving ideas you'll want to build in your kitchen. Shows how to get the most out of every inch of space by using Malarkey plywoods. Come in and get your copy—only 10 cents.



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