



These pictures show the operation of equipment that places soil fumigant in potato field soil to a depth of 6 to 8 inches as an eelworm control method. Picture on right shows Bruce Campbell discussing fumigant operation with Operator Jim Stepp. That at left shows Stepp checking the fumigant applicator. Knives set one foot apart apply metered fumigant accurately. Twenty gallons (400 pounds) to the acre do a good job, according to the county agent's office.

## Dowfume Is Good Control For Eelworm

By WALT JANDRZEJEWSKI  
Four hundred pound per acre applications of the soil fumigants, DD or dowfume, on over 300 acres of eel worm infested spud land this spring assure a marketable crop of potatoes on this acreage. A custom applicator is being operated this spring by Bruce Campbell and Jim Stepp. Campbell also operates a custom cattle spray outfit.

Trials carried by the Klamath experimental station have shown 95 per cent control or better in heavily infested land cropped to potatoes after spring treatment.

**Drop Dangerous**  
Experiments to date indicate that control efficiency drops appreciably with treatments lower than 400 pounds per acre. The 400 pound applications result in practically a 100 per cent marketable crop. Planting should be delayed 14 days after application. Planting too soon after application results in poor stands.

Considerable acreage of land in Klamath county is infested with eel worm. Control operations by fumigant application or cultural and cropping practices permit potato production ordinarily impossible on infested land.

Eel worm causes a rough, warty appearance in potatoes. Eelworm infested potatoes are not salable. Original land infection is largely the result of ignorance and carelessness. Most infested lands were originally inoculated by the planting of eel worm infested seed potatoes.

Spread from infested areas occurs chiefly from movement of infested earth or infested roots or tubers. Infected plant material may drift with irrigation water.

It has been established that two

broods of nematode are hatched annually in this area. Length of life cycle is affected mostly by temperature. Most rapid development takes place at soil temperatures of around 81 degrees.

At 81 degrees a larva may develop into an egg-laying female in 16 days. One female may lay from 500 to 1000 eggs.

Larva must enter roots of host plants in order to find food for development. Susceptible plants include clover and potatoes as well as most weeds. Grains and grasses are very resistant to nematode populations. The theory is a starvation prevention preventing development of females and production of eggs.

Complete eradication of eel worm under field conditions is not possible. Control is costly. New infection is guarded against by all farmers familiar with this pest.

Cull dumps north of Malin, on the hill road near the Lost River diversion dam, and southwest of Merrill, were established to provide disposal for cull refuse and eel worm infested culls.

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We are still selling Stout sprinkler systems in spite of the rain. Order your system now so that you will have it if summer comes. We will measure your field and engineer your system at no obligation to you.

If all the nitrogen, phosphate, and potash needed to make a 100 bushel corn crop were to be supplied in one dose to the soil, it would require the equivalent of about 1300 pounds per acre of a 10-10-10 fertilizer. Is it any wonder that the productivity level of the average farm is declining?

Look out for the frost that may follow this rainy weather. We have Hot Kaps to cover those early plants.

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## Serious Milk, Egg Shortage Predicted For Oregon In Near Future By Experts

By PAUL W. HARVEY, JR.  
SALEM, May 20 (AP)—Oregon State college dairy and poultry authorities are predicting that the state will have a serious shortage of milk and eggs in the near future.

There now are 345,000 dairy cows in Oregon, compared with 390,000 five years ago.

The cows have been turning out enough milk for the increased population by working harder, but that can't go on forever.

The egg shortage, which will be felt next fall, is caused by the fact there are 12 per cent fewer laying hens than at this time last year.

**Feed Cost High**  
High feed costs have a lot to do with the smaller numbers of cows and chickens. Another cause is the scarcity and high wages of trained dairy workers.

Harold P. Ewalt, OSC extension dairyman, says another alarming fact about the dairy industry's prospects are that the number of yearling heifers and calves is the lowest in several years. He said there is an urgent need for more dairy animals—and replacement cows are hard to find.

Noel Bennion, extension poultry specialist at OSC, says the number of hens on farms is below the average for the past 10 years. And poultrymen are not ordering young chicks. He says it's getting late, but there's still time to order chicks. He recommends replacing the entire laying flock each year.

**Higher**  
Oregon's farm price level is 95 per cent higher than the average for the past 10 years. Prices paid by farmers are up 75 per cent.

**Success**  
Charles R. Ross, OSC extension forester, has been trying to get farmers to supplement their income

by growing trees. And he's had some success.

He says there is an average of 40 acres of woods for each farm. The number of persons in Oregon who own woodland is 45,000.

**Bud Moth**  
The bud moth, which attacks fruit buds, is the worst in more than 18 years, says S. C. Jones, OSC bug man. It does most of its damage to prunes, but will attack cherries, apples, pears and peaches.

**Planes Used**  
Airtplanes are going places on Oregon farms. They are being used to dust crops, spread cricket bait, plant trees, and shoot coyotes. In the United States, there are 463 airplane dusting and spraying operators who work from planes.

**Warning**  
Hop growers shouldn't believe any of the claims of wonderful new fertilizers which prevent downy mildew, warns G. R. Hoerner, OSC hop specialist.

He said some fertilizer salesmen make lots of wild claims. He's been hearing them for years.

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## Wheat Support Price To Be Boosted Soon

WASHINGTON, May 20 (AP)—The government soon will boost wheat support prices an average of 15 to 17 cents a bushel over present minimum levels.

Agriculture department officials indicated today that the support price for 1948-crop wheat—on the farm—will average between \$1.98 and \$2 a bushel. This compares with a national average of \$1.83 for the 1947 crop.

The support price is required by law. It must be not less than 90 per cent of the parity price of wheat as of June 15. If the mid-June parity price is the same as that for mid-April—the last parity price that has been determined—the minimum support price for wheat would average \$1.98 nationally.

"Parity is a legal standard for measuring actual market prices. Farm law declares parity prices to be equally fair to farmers and those who buy their products."

The agriculture department said today 1948 crop wheat may drop or slightly below support levels shortly after harvest. But it added, the prices on the year's total crop are expected to average above the support level. Harvest of the winter wheat crop starts next month.

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## Herald and News FARM NEWS

### Agricultural Department Workers Get Long Service Awards From Top Officials

WASHINGTON, May 20 (AP)—Awards for distinguished and long service were presented to 108 agriculture department employees Monday.

Four persons received awards for distinguished service, 45 for superior service and 59 for 40 or more years service with the department.

### Range Aids In Chicken Farm

Portable range equipment is a valuable aid in raising good thrifty pullets or turkeys. Pullets or poulters are usually moved from the brooder house to the range at about eight weeks of age.

It is desirable to have all range equipment built on skids and constructed so that it can be easily moved. If the shelters, feeders and watering equipment are portable, it is much easier to control diseases and parasites.

If the birds appear sick or droopy, it is always a safe procedure to clean and move to new ground. A move of all equipment 20 or 25 yards is sufficient.

The number of moves depends on the weather, size and type of range, and trouble encountered from diseases. On the average, a short move every two weeks will be enough.

Moving the range equipment will not only help control diseases and parasites, but it will avoid killing out of green feed, prevent soil contamination and provide better distribution of fertility.

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### Winter Wheat Crop Drop Expected

SPOKANE, May 20 (AP)—A 20 per cent drop in the Willamette valley's normal winter wheat yield is predicted by the farm credit administration.

The agency's directors said in their monthly report that continued wet weather kept farmers out of the fields last fall and cut down plantings.

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