6-The Statesman, Salem, Oregon, Thursday, January 20, 1949

## Weed Control Lessens Costs In Production

One of the biggest headaches in strawberry culture is on the way to being licked. Control of weeds in strawberries has always con-stituted one of the major costs of production. At present high labor costs, weed control by hoeing and cultivation may run up as much as \$75 to \$100 per acre per season.

The licking of the problem will likely come through chemical control. In the past two weed years great interest in the possibility of this has been shown. It has been found that hoeing costs may be reduced from 50 to 75 per cent through the proper use of the appropriate chemical. And these findings are still only in the experimental stage.

Information to date on weed control in strawberry fields is contained in a pamphlet just issued by the state college extension service and prepared by Virgil H. Freed, Rex Warren and R. Ralph Shepherd.

#### Leaves Make Berries

Berry production in strawberries is dependent to a great extent on the late summer and fall growth of the plant. Yields are generally correlated with the leaf area produced from late July until late November. Nothing should be allowed to interfere with the maxmum production of leaves at this time

During the dormant season, usually from late November through February in the Willamette valley, the crop can be treated with the chemical without injury to the subsequent crop. It is at this season of the year also that our most troublesome weed plants make their growth. These weeds Include ryegrass, chickweed, vetch, groundsel, mustard, annual bluegrass. The coincidence of the growth-habit of these so-called winter annuals with the dormancy in strawberry growth is very opportune for application of chemcals for weed control. Eliminates Some Work

Through the use of chemical weed controls in strawberries, spring work will not be needed as early as where they are not used. The soil will be in better condition for cultivation at a later date and fewer of the feeder roots will be destroyed. Later cultivations need not be deep. It is generally agreed that strawberry production is lowered quite materially by damage done to feeder roots by hoeing and cultivation

#### Spray Materials Listed

materials which have The shown the most promise for use as dormant sprays on strawberry fields are various phenolic weed eral weed killers combined with oil. The formula suggested for use





Conserving Oregon's soil is one of the big problems in Oregon's biggest industry. The group of men pictured here are attacking this problem at the first annual meeting of the Santiam soil conservation held recently at Aumsville. Seated, from left to right, are Roy Porter, Aumsville: Fred Comstock, Marion; William Tuetsch, Oregon State college; Henry Ahrens, Turner, chairman of the district and Harry L. Stewart, West Stayton. Standing. left, is Ronald Elms, soil conservation service; right, Harry Riches, Marion county agent. (Farm Photo for Statesman.)



killers such as the dinitro gen- Thousands of farmers (and some of their town cousins) attend the annual "farm family" parties given each year by Willamette valley farm implement and machinery companies. Noon lunches are served, motion pictures are shown. Sometimes new machinery is also on display. This picture was taken at the

## **Death Causes** In Walnut **Trees Studied**

Consistant use of a wound dress- vere from side dressing with 700 Christenson ,chairman of the board death the human spirit passed ing on large pruning cuts will eli- pounds of treble phosphate per of supervisors, to attend the dis- into the body of an owl. To assist minate one of the two diseases acre, five inches under the trict's annual meeting in the Har- in the transfer, the Indians gave that cause decline and death of ground, John J. Inskeep, Clacka- risburg city hall on Wednesday, owl feathers to the dying person. walnut trees in the Pacific north- mas county agent, told The States- January 26. The starting time is west according to findings of a man farm editor this week. cooperative federal-state research conducted by Dr. Paul W. Miller ed, were noted on the Pete Packand the late C. E. Schuster, feder- ard farm at Boring and evidence Tuetsch, assistant director of exal specialists stationed at Corval- in this case was conclusive. Fertilizer placement was made in

Mushroom root rot and wood rots April as a deep side-dressing with are the only two "decline" diseases caused by specific organisms, but creased yields came with the sec- of soil conservation service. One there are at least six non-parasitic ond crop. disorders that are responsible for

Many growers side-dress strawdeath of walnut trees or serious berry rows with a complete fertilizer in the fall or in spring.

or both, said Inskeep. These are

the soil is one thing, while plac-

**Dressing Formula Told** 

loss in productivity.

ble.

A good semi-permanent wound usually surface, or at least shaldressing for walnuts or other tree low applications. Inskeep's obserwounds is easily made by mixing vations have caused him to beone pound of commercial bordeau lieve that this is a rather futile powder with one quart of raw lin- practice. In the first place, he seed oil. The authors recommend said, phosphorous-bearing fertilizthis for any cuts of one inch or ed in bands beneath the root area more in diameter. and at the side of the plant. In

Mushroom root rot occurs in cer- the second place, these surface tain infected soils but only seri- or shallow applications usually ously on trees that have Persian usually increasedweed growth and (English) walnut root stock. When result in higher labor costs for Hinds black walnut -root stock is the season. Mixing phosphates with potash, used this disease causes little trou-

**Prevention Described** 

ing in bands at the side of the row is quite another, with all bination of black walnut root stock evidence in favor of the bands. The bands should be placed three grafted with Franquette top wood inches from the row and three gives rise to occasional walnut girto six inches underground. At the dle, one of the non-parasitic troutime of setting out plants, 1000 bles that kills some trees. If a pounds of 20 per cent super phosplanting is made on soil infected phate or 450 pounds of treble with mushroom root rot it is safer phosphate should be used per to chance losing a few trees by

sian roots stock will prevent girdling.

nutrition or other factors not re- County fair board and will serve ated to actual disease are boron three years. Other members of the two or more of these factors.

All of these are discussed in the bulletin, which is available free from county extension offices or direct from the college.

Owls range in size from tiny elf owls about the size of a sparrow, to horn and eagle owls which are two feet or more in length.

BRING

#### Inskeep Comments Soil Conservation **District to Hold** About Fertilizing **Annual Meeting Strawberry Fields**

Only tangible results that have been noted from use of commer- acre Linn-Lane Soil Conservation cial fertilizers for strawberries district are being urged by Ben

> 10 a.m. Charity grange women are serving a ham dinner at noon. Principal speakers are W. L tension, Oregon State college; Mrs. Ethelmae Thomas of the food technology department, OSC; and

supervisor will be elected Christensen's term expires, Holdovers are Randall Grimes, Noel Pirtle, Reese Jarnagin and John Miller. O. E. Mikesell, Linn county extension agent is secretary.

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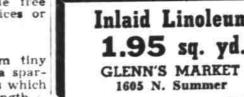
## **OLYMPIC RADIOS**



DENIITINIC

deficiency, poor soil drainage, cold fair board are Ned Callaway of injury, low soil, fertility, lack of Brownsville and R. A. Talbott of moisture and the combination of Albany, O. E. Mikesell, county extension agent serves as secretary. Inlaid Linoleum 1.95 sq. yd.

acre. About 100 pounds of muriate girdling than to risk the more gen- of potash might be included, Inseral root rot disease. For clean keep said. soils, Franquettes grafted on Per-FAIR BOARD MEMBER NAMED L. E. Arnold, Lebanon, has been Other disorders caused by poor' appointed a member of the Linn



consists of one and one-half quarts of general weed killer or dinitro plus 30 gallons of diesel oil plus 80 gallons of water, and this mixture applied at the rate Aurora Hens of 110 to 120 gallons per acre,

For the pentachlorphenel weed killer, the formulation is some-what as follows: Pentachlophenol Make High formulation equivalent to 8 to 10 Lay Average ons of diesel oil, and 60 gallons or water. This total mixture is applied to one acre. It should be noted, say the authors of the pamphlet, that the phenol is first mix-ed with the oil and then may be added to the water, or if they are added to the water, or if they are may be added later. Pressure Needed

Ine spray rig used for apply-ing these materials to the straw-betries should be equipped with a new group of pullets each year, School, OSC campus. Feb. 5 — Fourth annual Ore-dry to the hay stage, loss in oil is berries should be equipped with a new group of punets each year, an efficient agitator and have from 75 to 150 pounds pressure which have been conper square inch. When applying verted into poultry houses. Many tion sponsors. State fairgrounds. The studies showed. If the mint is features of good management can spray procedure, nozzles deliver- be observed in this one set up, day. Lebanon. The form three fourther to go beyond that point. ing from three-fourths to one and says Mr. Newell.

100 pounds pressure will be re- requires cleaning only once a quired for economic spraying.

toxic oil, as the various contact of about eight inches. Lime, used weed-killing oils now available, 1 pound to 5 square feet of floor should be avoided in this spray space, helps dry the moisture and mixture. Oils have a tendency to keep the litter loose and fluffy. ercep by means of a wick action in plants. Should the strawber-Stratfords on cleaning eggs is a specialty crops has more than for generation of the strawber ries, even in the dormant stage, gypson trough. The trough is made tripled in the 30 years following Needy made 82.4 pounds of butbe sprayed with too heavy an by putting lath or other stripping world war I. In 1919, only a little terfat. application of oil, injury to the around the edge of the step en- more than five per cent of the crown might result. It is impor- tering the nest. This trough or crop land was used for tree fruits therefore, to limit the box is filled with lime which hens and nuts, small fruits, potatoes, tant. amount of oil used and to use must step into before entering the truck crops and seed crops. Now preferably such light oils as diesel nest. With a lime coating on her 16 per cent of the crop land is used and fuel oil for this purpose.

Further experiments are being soil eggs in the nest. earried on at OSC and as infor- Watering devices are always a out, the college extension heads Stratford has his water troughs feet. report

and Irish gorse will be discussed at a county-wide meeting of Clackamas farmers called for Wednesday, January 26, 10 a. m. at Cen-tral grange hall, Beavercreek.

recent Silverton Farm Implement store party. (Sta Farm Calendar Cutting Time,

Jan. 25-26 - Annual meeting of Western Oregon Livestock as-sociation, Gearhart hotel. Sets Mint Yield Jan. 29-Annual meeting Oregon Jersey Cattle club, Legion

Producing commercial eggs for president. Starts at 10 a.m. Jan. 29 - Quarterly convention prises on the J. R. Stratford and of Marion County Farmers Union, fected by weathering of the cut market is only one of the enter-

mixed in the spray tank the water this week, Mr. Stratford reported ers meeting, St. Mary's hall, Mt. a lay of over 80 per cent from his Angel, 10 a.m. Feb. 3-4 - Grange lecturers' 800 hen Parmenter Red flock.

of Oregon Farmers Union, Mapleone-fourth gallons per minute at First, deep litter is used and wood grange hall, Aurora. Feb. 26 - Third annual Junior year. Built up straw and hydrated The use of too much oil or too lime cover the floor to a depth fairgrounds, Hillsboro.

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feet, the hen has lidle chance to for these.

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mation develops it will be given source of much wet litter trouble, through the house on the birds'

built outside the main building All of these practices go toon a small slatted porch. This lets gether to be factors in the high WEED MEETING SCHEDULED excess water drop to the ground lay percentage of the poultry Elimination of Tansy ragwort rather than being carried back flock, says Newell.

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If a peppermint crop is allowed hall, Salem. Floyd Bates, Salem, to mature to the proper stage for cutting, yield of oil is little af-

This is being proved by research several years by the Oregon State college experiment station at the

request of the industry.

whether weathered or not.

### Jersey sale, Washington county JERSEYS MAKE RECORD

John Lienhart, Monitor, had two Jerseys this past month that proved good production. They were Irene with 80.5 pounds and Nancy

Feb. 22-24 - State convention there is material loss in oil yield,

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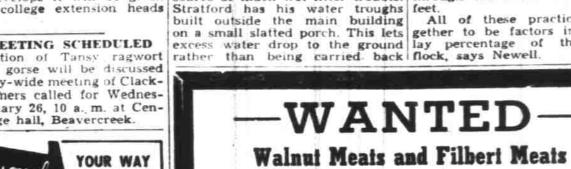
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