HOME AND FARM MAGAZINE SECTION

## Oregon Agricultural College Is the Friend of the Farmer

HOME MADE APPARATUS FOR

TESTING SEED CORN

Complex cared for " says Prof DAIRY HERD PROFITS VARY

D'oregon is too large and too poorly cared for," says Prof. C. I. Lewis, O. A. C., horticulturist. "It produces more fruit than the fam-ily can use and it is often of inferior quality. "As a result of this policy the fam-ily orchard is often declared to be a form the sale of milk or cream is in-cluded in the item. In reality al-lowance should be made for the value of skim milk in addition

trying to have a whole tree for every variety desired, it is better to plant fewer trees and later graft four or five varieties upon them. All the varieties needed for the family use every month in the year can be neo varieties needed for the family use every month in the year can be pro-vided in this way, and by having fewer trees to care for the owners will care for them much better. In for a family of four adults was also will care for them much better. In for a family of four adults was also

SPRAY NOW FOR CURRANT

WORM

GGN OW is the time to spray for the green currant worm," says A. L. Lovett, crop expert at the Oregon Agricultural college. The adult insects are busy in the field at L. Loveit, crop expert at the Oregon Agricultural college. The adult insects are busy in the field at this time depositing eggs in the leaves. If lead arsenate spray is used in the near future the young worms will de-vour poison with their first meal. In this way later injury by the mature worms often strip the leaves of the currant and gooseberry bushes at about the time the fruit is bushes at about the time the fruit is along the side. Any shallow box of the size wanted will do. Shave sides and ends down until they are about two inches above the bottom. Fill near to the top with clean sand. Measure both sides and obth ends into two-inch spaces, driv-ing tacks about half way down on the and none of the sign and alfalfa, require so much lime for their development that they are called 'lime plants. 'The potash and phosphorous are likewise indispensible to plant growth, and ashes offer a cheap and convenient source of supply.'' DRAINAGE A REMEDY bushes at about the time the fruit is ripening. The advantage of spraying early is apparent. It takes less poison along the side.

to kill the small forms and discoloring the mature fruit with a later spray may be avoided. "The adult currant worm is a sowfly —Diphoduus appendiculatus. Hartig. The female sowfly deposits eggs be-tween the two surfaces of the leaf. These eggs hatch into small green tween the two surfaces of the leaf. These eggs hatch into small green These eggs hatch into small green worms with a black head much too large for the body. These worms feed greedily on the leaves of the currant planted, with a few extra for bad ears. May, occurring at this time as velvely green worms about one-half inch in length. The mature worms apin small brown capsule like coocoons in the pollen leaves and trash at the sur-face of the ground. A second genera-tion of adults emerge in a few days and deposit eggs for a summer gen-eration of worms. "Spray the foliage with lead array.

dered arsenate is used, dilute 1-20). This solution should be applied as soon as the berries are set. Both gooseberry and currant bushes should be treated."

NATIVE PLANTS BEST

66 ARMERS could often improve

THE only apparai needed to test seed corn by the rag doll method are a strip of white cloth a foot wide and three to five feet long, a pen-

Oregon Agricultural college, because

HARDWOOD ASHES RICH IN

PLANT FOOD MATTER OMMON hardwaad ashes have a value of about \$5 in plant food, and \$3.50 in lime per ton, accordily orchard is often declared to be a menace to the commercial industry. Some growers have gone to far as to say that the day of the family or-chard is about up. Unless the men who own family orchards take better care of them they will be legislated it would be a great mistake to pre-vent the growing of home orchards on the family of the family or the family orchards take better out of existence. It seems to me that it are are few things an average in come of \$29,26 from of several for the several several of the several for the severa

vent the growing of home orchards on Oregon farms. There are few things that contribute so much to the de-lights of farm life as the family or-chard. And I believe that we can establish much better family orchards than any we now have. "The number of trees should be reduced quite materially. Instead of A select herd of Jerseys in Linn

tected from rain, as most of the pot-ash is soluble in water and is lost by at all positive as to this. There are will cost much better fruit, it this way they will have better fruit, it will cost much less in room and money and his orchard will not be a source of insects and diseases for his neighbor's twee." SPRAY NOW FOR CURRANT

to the soil. "On soils that are poorly drained

FEED ON SMALL FARM

tace of the ground. A second genera-tion of adults emerge in a few days and deposit eggs for a summer gen-eration of worms. "Spray the foliage with lead arsen-ate at the rate of one pound of arsen-ate to 15 gallons og water. (If pow-dered arsenate is used dibuts 1 and 1 and plaster will change for seed. There are none word more hunter in the best ear of the direction of the point of the best is produced, the producers should breed along best erally stand at the head of the best "The best for m. "There are other things, however, "The best for more builts the best for m. "There are produced by the best for m.

PLANTING FAMILY ORCHARD.

6617 starting a family orchard

hope that you will put out what may be called an ideal family orchard," said Professor C. I. Lewis, horticulturist of the Oregon Agricul-tural College. "I am sure that we can learn a very profitable lesson from

"One way to improve the orchards

The average income per cow in oregon as shown by reports from 3,609 cows, was last year is easily secured anywhere. ber of trees planted. If it is felt that it is necessary to have every variety you desire, fewer trees may still be planted and later four or five varieties grafted onto a single tree. Many varieties of fruit are very desirable for the home orchard, but an entire tree is not required to furnish enough of each variety for family use. By setting out fewer trees and using more By varieties a supply of fresh fruit can be secured for the family for practically every month of the year. Having a small orchard encourages the owner to take better care of it.

"In shaping the trees they should be headed low, and since there is plenty of room on the farm the trees should be given plenty of space. Ap-ple trees should be given at least 30 feet; pears, 25; sweet cherries, 35; walnuts, 50; prunes, 22; peaches and sour cherries, 20. "The trees should be planted in the

orchard a little deeper than they were in the nursery row.

"In this valley it probably makes little difference whether the trees are planted in late fall or in early spring. I have always felt that fall planting

"In choosing varieties for the home orchard there are several points to be and acid, ashes have an excellent ef-fect. The land becomes more amen-which are liked by the family should TESTING SEED CORN TESTING SEED CORN TESTING seed corn may be done without expense by using ma-terial about the place and work terial about the place and terial teri STING seed corn may be using ma-tith, retaining its moisture in dry sea-terial about the place and work-seasons. In the place and work seasons and fuvoring drainage in wet seasons. In the place and work seasons are seasons. In the place are seasons are seasons are seasons are seasons. In the place are seasons are seasons are seasons are seasons are seasons. In the place are seasons are seasons. In the place are seasons are

## DRAINAGE A REMEDY FOR ALKALI IN SOILS.

FEED ON SMALL FARM THAT beef cattle on the small farm will make but a small profit, if any at all, is the belief of Pro-fessor E. B. Fitts, extension livestock man at O. A. C. It is advisable to produced more cheaply during the first two years of the animal's life than at any time afterwards. "There is no profit in feeding beef

his It on are also good beef animals." "Air circulating freely in the soll Will render the alkall less harmful. Therefore, the addition of any or-Therefore, the addition of any ganic matter that will open up the soll will be beneficial. This matter, whether manure or straw, should be well disked into the ground."



## Sug

F WE differ ceed? How n missed? roads tra What traveling doctor, tl thief, the the begg: Some of hope thwarted We we to the lis to the C We ho with her hard stre instead ( kind frie and remi Prince ever afte Even often sic folks she eyes long sounds music to the clang Some in sadner stories of to the C Back. Stories wages nough t ings, ins Think home. Father the girls or carele Think Back.

simple e against eager the The re fly, of ce Father subject. "How poor, litt Then ded our endeavor fly to us And f meals sti It's so "If yo the mod 'Swat teacher. The m teacher a There killing a The fl: It is a If you You. It is po and child No, it er does the side But w fly has than the world. It is n

firing m

may loo sance th

face and to get f

noon. The f

hairlike

carry-a found in diseases.

filled it

Where fly. It thr

These disease There

Of con don't see and help

B ow In were

ber our