

Seed, Chief Smut Factor
Treated seed this fall is the chief factor in smut control on late plantings, since the early rains have germinated the smut spores in the soil so early that they will have died for want of host plants. One pound dissolved bluestone to each 5 gallons of water, followed by a lime bath to prevent excessive seed injury, is recommended by the O. A. C. plant pathologists. Formaldehyde, 1 pint to 40 gallons of water, is recommended where germination is likely to be prompt.

Careless Beeman Gets Dig
"The man who keeps bees 'in any old box' is in a glass with the one who lets his chickens find their feed in the grass with the one who trol in the grass and looks for eggs in the brush pile."—O. A. C. bee specialist.

Trellis System Best
The trellis system of training Cuthbert raspberries is said to be the best by Ed. Spath, a big Multnomah grower, reports the Farm Bureau News. This method will produce from one-half to one ton more says Mr. Spath.



Hermiston Hotel

SPECIAL SUNDAY DINNER

MENU
Cream of Tomato Soup
Fruit Salad
Fried Spring Chicken
Cream Gravy
Mashed Potatoes
June Peas Drawn Butter
Hot Biscuit
Sliced Peaches, Nut Cake
Apple Pie with Whipped Cream
Coffee Tea Milk

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DRUGS INJURE DAIRY CATTLE

Iowa State College Experiments Show Decrease Rather Than Increase in Fat Production.

The use of drugs with the idea of increasing the fat production of test cows has been tried out by Iowa State College dairy section. In most cases it was found that drugs decreased rather than increased the fat production.

Such drugs as alcohol, castor oil, pituitrin, aloes, magnesium sulphate, nux vomica and sodium chloride were tried and in all cases they were detrimental to the cows. All cows used were in good normal condition at the start of the tests, and various sizes of doses were used.

In some cases it was found that the flow of milk and butterfat was increased slightly but this soon fell off and in the end a decrease was noticed.

Up to date no drug has been found that will increase and it is strongly advised by the dairy men not to resort to this method as it injures the cows and is not a fair way to gain a record.

WHEN MILK TEST IS HIGHEST

Faculty of Milking Off Fat is Used in Pushing Cows for Short-Time Records.

In pushing cows for short-time records, this faculty of milking off the fat is used; that is, the cow is allowed to freshen in very fat condition and will test very high when her record is being made two or four weeks after freshening. There have been cases where cows have tested from two to three per cent higher during this period than the normal test for her discloses and this test would be much higher than during the last part of her lactation.

MILK-CREAM WEIGHTS

Skim milk weighs 8.63 pounds a gallon.

The foregoing figures were based on milk with a fat content of 2 1/4 per cent at 68 degrees temperature. Similar milk testing 3 per cent weighs 8.6 pounds.

Mixed milk and cream of 10 per cent butterfat content weighs 8.53 pounds.

The general rule is to estimate milk testing from 3 to 5 per cent as weighing 8.6 pounds a gallon.

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At 1:00 P. M.

CANDIDATES FOR LOCAL COUNTY OFFICES
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Hear Chamberlain--Oregon's Own Senator