



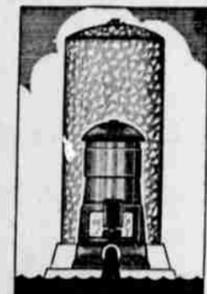
FARM and GARDEN NEWS



Bitter Weather Of January Disposes Marketing Problem

By HAROLD ROGERS
WALLA WALLA.—P.—L... January's bitter cold seems to have disposed of the marketing problems which were vexing the Northwest's soft fruit growers six months ago.

Growers last fall were talking about marketing agreements which would limit shipments, either by volume or quality. Now a good many of them do not even know whether they have orchards.



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Traces Of Potato Ring Rot Seen Near Redmond

REDMOND.—P.—Traces of potato ring rot have been discovered in this area, Ben Davidson, Oregon potato commission administrator, has disclosed.

He urged growers to report immediately to the Central Oregon Potato Growers Association any cases of ring rot. A serious infestation, he said, could cut returns from the region's \$5,000,000 potato industry in half.

This is the only commercial potato producing area in the nation which has been kept free from the disease, Davidson said.

INSPECTOR APPOINTED
SALEM.—P.—The State Agriculture department has announced it has hired Frank M. Turner, superintendent for Alderman frozen foods at Dayton, as a food sanitarian.

He will check food sanitation in canneries and freezing plants.

of the stone fruits. Grave concern is felt about winter-damaged peach and apricot trees. Many acres have already been cut down or pulled out, although state college experts feel such action may be too hasty.

Three Meetings Set For Local Owners Of Sheep

Oregon Wool Growers association officials and prominent livestock men will visit Douglas county during the week. Three meetings have been arranged for local sheep owners to meet and discuss production and marketing problems with the visitors, according to J. Roland Parker, county extension agent.

Meetings will be held on Wednesday, April 5, at the Kellogg grange hall; Thursday, April 6, at the Rice Valley Grange hall and Friday, April 7, at the Knights of Pythias hall in Roseburg. All meetings will start at 1:15 in the afternoon.

W. H. Steiwer of Fossil, president and Victor W. Johnson, Pendleton, secretary of the Oregon Wool Growers association will speak on the wool situation and government support program. R. L. Clark of Portland, a prominent livestockman, will discuss how producers can get full market value for fat lambs and review the trend of sheep and wool production in Oregon and the United States.

Oregon Chick Hatcheries Recommended By Office

SALEM, April 3.—P.—Chick buyers have been warned by the State Agriculture department to be careful in buying their baby chicks this spring. The buyers should make sure the chicks don't have the fatal Newcastle disease.

There have been 51 cases of Newcastle disease found in Oregon in the past three years, but no new cases have been discovered since last February 14.

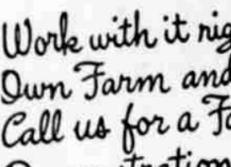
The department recommended that all chicks be bought from Oregon hatcheries.

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Plant Roots 'Shop' For Food, Use Atoms As Cash

BERKELEY, Calif.—P.—The root of a plant shops around in the soil for the food it needs. For money it uses hydrogen atoms, which it takes from water. Two University of California soil scientists demonstrated this peculiar root activity by using chemicals which change color in acid-alkaline reactions.

These tests gave additional support to a new theory that plants can take nutrients directly from solid particles in the soil and are not entirely dependent upon food elements that have been dissolved in ground water.

On negatively charged surfaces of the plant root, positively charged hydrogen atoms accumulate. These hydrogen atoms constitute the root's "wad" of cash. Each atom bears a single positive electrical charge. Nearby on a particle of soil there may be calcium atoms which the plant can use. These calcium particles are chemically bound to chlorine, forming calcium chloride, and each of them bears a double positive charge. The root releases hydrogen atoms and gets calcium atoms. The released hydrogen teams up with the leftover chloride particle and forms hydrochloric acid. The root can pick up other food elements the same way.

Asparagus Crop Goes To Market

SAN FRANCISCO.—P.—California's multi-million-dollar asparagus crop, largest in the nation, is moving into markets all over the country.

The tender sprouts are hitting dinner tables about a week earlier than usual, although recent rainy weather has been a deterrent.

A Department of Agriculture authority said growers are receiving about the same prices as last year and quality is good. Shipments now are going into the fresh market, with canning to start later, are available for cutting. The national acreage, scattered through 22 states, including California, is estimated at 132,570.

California harvested 69,130 acres of asparagus last year. The crop brought growers \$16,178,000.

AMENDMENTS EYED

PORTLAND.—P.—Amendments to the west coast winter pear marketing agreement will be reviewed in public hearings starting this month.

The Department of Agriculture said the first will be at Portland April 10-11. The others will be in Yakima, Wash., April 13-14 and at Sacramento, Calif., April 17-18.

GROWING CHILDREN

WASHINGTON.—P.—School children ate 167,971,000 pounds of the government's surplus farm products during the last six months of 1949.

The foodstuffs were distributed free under the national school lunch program, the Department of Agriculture reported, providing more than a half billion "nutritionally balanced meals" to nearly 8,000,000 children.

Outlook For Truck Crops Only Fair, OSC Extension Economist Estimates

OUTLOOK FOR TRUCK 2-18
Oregon farmers will probably pocket less money from the 1950 harvest of truck crops and potatoes than they did last season, but market prospects in general are still fairly favorable, believes M. D. Thomas, O.S.C. extension economist. He bases his conclusion on information gathered for a new outlook circular being distributed by county extension agents to farmers and others interested.

Conservation Plan Helping Farmers

The agricultural conservation program provides assistance to individual farmers to help them in establishing conservation practices which will check and control erosion on their land and improve the productivity of the soil.

Briefly, this is how Fred Bonebrake, chairman of the Douglas county PMA committee, explains ACP and how farmers can use it to improve their farms.

Bonebrake says that at this time of the year farmers of Douglas county are signing up in the agricultural conservation program. The sign-up is to let the county committee know which practices are being planned so that funds which have been allocated to the county may be apportioned to get the most conservation for each dollar spent.

This "sign up," he explains, includes listing the conservation practices which the farmer intends to carry out and indicates he expects to carry out the practices in accordance with established conservation standards.

Sod Waterways Hinder Erosion

Sod waterways are proving to be one of the most effective means to control gullying in Douglas county, says J. F. Bonebrake, chairman of the county PMA committee.

Before the sod is broken, the waterways were protected by sod and a heavy vegetative growth.

After the sod is broken out of protective grass, too often these waterways become gullies. With the cover gone, excess water, loaded with silt, rushes into the only outlet, digging ugly channels through the farm.

The use of terraces as a means of controlling run-off often increases the need for grassed waterways because of the concentration of water back of the terrace.

Bonebrake suggested that one of the simple and easy ways to maintain a sod in the natural waterway on the farm is not to break out the sod in the first place. Where gullying has started or is well advanced, the land will have to be prepared for seeding. If sod pieces are used, they often will have to be protected by such devices as drop checks or partial dams.

Bonebrake explains that the agricultural conservation program in Douglas county has a special practice to aid farmers in establishing sod waterways. To qualify for financial assistance, the farmer must: (Give specifications, explanation and rates of assistance as given in your ACP handbook for 1950.)

Grass Crops Suggested For Surface Of Airfields

SALT LAKE CITY.—P.—Delbert A. Fuhrman, Utah aeronautics director, says low-growing crops like grain, alfalfa, legumes and grass might be profitable on many airfields. "Some farmed fields might be better to land on than they are in their natural state," he says.

"We can take a lesson from the Flying Farmers in the United States. Many have strips at their landing fields in growing crops. Their safety record is excellent." Besides the cash income from the crops, Fuhrman says, the airports would benefit in weed and mosquito control. He adds that if the land isn't fertile enough to support crops, grass could be grown and erosion reduced.

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Vol. XII, No. 14

April 4, 1950.

What About This A. P. F.?

First, what is A. P. F., this new product we're reading so much about? What is its purpose? Is it necessary? If it is necessary, why wasn't it necessary years ago? These and many other questions come to mind when we read the ads and articles about A. P. F.



SOME FOLKS CAN'T ENJOY WHAT THEY HAVE FOR WORRY ABOUT WHAT THEY AIN'T GOT.

And here's one for the book! Mrs. Alton Rice, Dillard poultry enthusiast, bought a case of eggs, had them custom-hatched, and brought home 335 chicks. At 10 days, two have died and one been stepped on. (She shoulda kept Alton out of the brooder house.) Carl's Hatchery hatched the eggs. Neal Meyer of Lookingglass produced them, and the hens ate UMPQUA BREEDER MASH, with APF in it.

After gazing admiringly at the chorus girl's costume, Hank mused: "Wonder who made her dress?" "I'm not sure," answered Bill. "I imagine it was the police."

Have You Tried It?

We have a rather new product at the Mill that should interest all dairymen who like to raise their replacement heifers. And also those folks who like to raise a fine veal or baby beef for the locker.

This is called KAF-KIT. It is a replacement for the whole milk. Mother Nature intended for calves to have. But milk is worth a heap to sell, and butterfat, too. And a feller needs all the income he can get.

So with KAF-KIT for a very few dollars, you can raise just as good a calf as if you let the little rascal suck the cow. We wouldn't have believed it either, only we saw it proved the other day. John Harrison has a beauty of a calf, a month old, and looks as fat and sassy as any calf we ever did see. If you try it once, you will never feed whole milk again.

Jack: "Let's give the bride a shower."
John: "Count me in. I'll bring the soap."

Calling All Bargain Hunters

UMPQUA MILK EGG MASH went up a bit in price, along with the rest. But it is still the best buy in the feed line for anybody who's laying hens. \$4.05 per 100-lb sack, 18% protein, has APF, and a rich vitamin concentrate, assuring that your layers get everything they need.

Well, first, A. P. F. happens to be the alphabetical conglomeration that means Animal Protein Factor, hereafter called APF. Animal Protein Factor is not, as the name might imply, a protein. On the other hand, it is a vitamin, or more properly, two or more vitamins, needed by people, most animals, and birds.

Like all other vitamins we now know, it has always been needed for growth and health. But only recently has it been isolated, so we could study it separately from other vitamins.

For that matter, though we are all vitamin-conscious nowadays, and take Vitamins A, B, C, D, or a mixture of all, we glibly boast that Grampan and Gramman lived in fine fettle without ever having heard of vitamins. Our forebears had their vitamins. Just the same. They took their vegetables from their own gardens and ate them the same day they plucked them. We get ours off the vegetable stands days or even weeks after they have been harvested.

Gramman lived hale and happy, and never saw a can-opener. Nowadays if a bride lost her can-opener, she would have to eat out, or go to the neighbors. (Some of them, at least.)

So, nearly everybody and everything got enough APF, without ever knowing they needed it. But a few people, and some animals and birds developed pernicious anemia, and eventually died from it. Not enough red blood cells. If one could have eaten a dozen pounds of raw liver every day, this disease might have been overcome. But the treatment was worse than the disease.

In APF, one of the vitamins is B-12, which cures people suffering from pernicious anemia, and makes them strong again. This vitamin is so powerful that a dose weighing as much as a human hair 1/200 of an inch long will bring noticeable relief. Or 1 lb. would be enough to fortify 54 thousand tons of chick starter mash with ample B-12.

FEEDS, UMPQUA PIG RATION and UMPQUA CALF MEAL. It is needed for growth, and more urgently in very young animals and birds. Calves utilize it efficiently until they are old enough to synthesize it themselves. (about the time they begin chewing their cud). Your eggs won't hatch without APF from some source.

When you use UMPQUA FEEDS you may rest assured that your requirements for APF are taken care of. And the total cost of your insurance is about 3c per cent. of feed. For this 3c investment, you may feel certain your feed will give you double the efficiency that any feed not containing APF can possibly give.

"What is your birthstone," Dad? "The grindstone. Son, the grindstone!"
Modern Miss: "Grandma, did you ever flirt when you were young?"
Grandma: "Yes, dear, I'm afraid I did."
M. M.: "And did you get punished for it?"
G. M.: "Yes, indeed! I married your grandpa!"

Quick Watson, The Needle!

Several times a week now we get reports that the little chicks are getting vicious, and picking toes, feathers and vents. Murder often results, and cannibalism. Then profanity. But the little cusses don't care. We go ahead swearing and they go ahead picking.

But it can be stopped instantly, with very slight expense, not too much trouble, and with no bad results to the chick. The answer is an electric debeaker. We have them for sale at the Flour Mill. They don't cost much, and the relief to your feelings would be cheap at a hundred times the cost.

We also have lots of other equipment, including those popu-

Market Bigger Turkeys This Fall!

Feed those poult

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After you have invested in a good strain of poult, you will want to protect that investment by giving them the best feed obtainable. For more hearty birds with greater weight at market time, Fisher's Feeds are the feed for your flock. Fisher's Feeds are the result of many years experimenting and testing and it has been blended to give more meat on each bird at lower cost to you.

Start those young birds out on Fisher's Starter, then feed Fisher's Grower and then Fisher's Finisher up to the time you ship to market. You will notice the difference when you receive your market check this fall. Don't delay, start giving your flock Fisher's Feeds today.

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