

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

DEVELOPMENT PLAN NEED OF AGRICULTURAL COLLEGE

Oregon should unite on a program of agricultural development says Paul V. Maris, director of the state college extension service. Important features were listed as follows:

1. Adoption of sound land settlement policy; 2. reclamation of arid, wet and stumpy lands; 3. balancing production with utilization and market possibilities; 4. constant improvement in production and husbandry methods; 5. bulking commodities for effective marketing.

"In less than a century we have developed an eight hundred million agricultural industry, yet our improved farm area is less in extent than Lake country," says Mr. Maris.

"To compete with other states we must provide the ex-service man and settler with land at fair prices, finance him on a basis of easy payments over a long period of time, and deal with the problem on a community as distinguished from an individual basis."

"The reclamation policy completed would double the agricultural production, since it applies to 2 1/2 million acres needing drainage, same area by irrigation and nearly 1 million by stump clearing. Profits were increased \$8.32 per acre a year over a period of 7 years on the college station farms by rotation. With manure these added profits were lifted to \$9.71 and with irrigation added to rotation and manure the profits averaged \$23.02 greater than on the check plots."

Assembling commodities for grading and standardization is said to be essential to distant marketing. Cooperative associations are a move in the right direction and entitled to support.

"Financing and transportation are the farmers' paramount problems," said Mr. Maris. "They are national in scope and we should join in the national effort for their early adoption."

FARM REMINDERS

Potato Treatment. Directions for applying the corrosive sublimate treatment to seed potatoes may be had free by writing to the O. A. C. Experiment Station. All potatoes should be given this treatment before cutting. After cutting they should be shoveled over with land plaster previous to planting.

Leaf Curl. Spraying for peach leaf curl should not be delayed longer as applications after the middle of February sometimes fail. One thorough application of Bordeaux 6-6-50 put on while the buds are entirely dormant will rid the trees of this disease.—O. A. C. Experiment station.

Lambs. Young lambs that are to be sold for meat should be docked and castrated while still young. Neglect of this important practice will often result in a reduction in price amounting to 25 cents to a dollar a hundred.—O. A. C. Experiment station.

Tree Powders Fakes. No tree powders or other chemical substances intended to be introduced into the bark or wood of fruit trees have ever been found of any practical value, and many are actually injurious. Thousands of dollars of hard earned cash are wasted annually, or even worse than wasted on such nostrums for which all sort of powers against diseases and insect pests are claimed.—O. A. C. Experiment Station.

State Lime Plant. When the state lime plant was first established at Gold Hill, the Southern Pacific Railroad company granted a special rate for agricultural lime in carload lots which was said to be the lowest commodity rate ever granted by that company. This rate, it seem-

ed to the members of the board was very reasonable. During the war, however, this rate with all others increased 25 per cent and the original rate has not as yet been restored, I believe. If sufficient orders are received to justify any action whatever the board will attempt to have the original rate restored.

Practically all of the soils of western Oregon are acid and need applications of agricultural lime. The most urgent need, however, is found in the soils of the coast section, in those of the foothills on either side of the Willamette valley and the rolling section of the lower part of the valley. The level, flat lands of the valley floor do not respond so readily to applications of lime, probably because of their more or less waterlogged condition. Any farmer who so desires will up on application receive from the department of soils of the Oregon Agricultural college, directions for testing the acidity of his own soil, or if he prefers, he may send samples of soil to the department for testing.

Very truly yours,
A. B. CORDLEY,
Secretary, State Lime Board.

Hotbed Items.
Sow vegetable seeds about six to eight to the inch in the bed, covering the seed from 1-4 to 1-2 of an inch.

When the plants are growing their fourth leaf they should come out and go into the same hot bed usually 2 inches or so apart. Glass coverings over the soil in a bed should not be very far from the soil for in this way the plants will be nearest the light and will not be drawn.

After the seed has been sown and the soil watered with tepid water, the bed should be kept at a temperature of 80 degrees. A slight amount of air should be given daily but only a very little. As the plants come through the soil the same temperature should be kept but enough air given during the day so that it will never be stale and the water collect in drops of condensation on the under side of the glass sash.

Overwatering, under-airing and close muggy atmosphere are three things that cause more little plants to die in the hotbed in the spring than any other thing. Plants can not live in an unhealthy atmosphere without becoming diseased. As a result many are affected by the rot at the surface of the ground and die because they are not stout enough to stand up against it. Later on when the plants are bigger they rarely "damp off."

"THE OLD HEN CAN NOT BE CHEATED"

The poultry business must be founded on business principles. H. E. Cosby, extension specialist in poultry husbandry, before a Farmer's week audience emphasized this point and also that the factors which limit egg production should be more carefully studied.

"The old hen cannot be cheated," said Mr. Cosby. "An egg has certain definite and unvarying constituents, and if these are not supplied,

eggs cannot be produced. Breeding for egg production must always precede feeding for egg production. Feed is the last consideration. If the fowls are crowded, have damp or dark quarters or are infested with lice or mites, the best feeds will be of no value for egg production."

Mr. Cosby has observed that the difference in flocks is not so great as the difference in flock owners and that the most common reasons for failures of poultrymen are overcrowding of birds and the feeding of wet mash. He did not condemn the latter feed but showed that it should not be left before the hen until it soured.

"Examine the fowls after they go on the roost at night," said Mr. Cosby. "If their crops are not full they are going to get very hungry before daylight, and must draw on the stored up fat on their bodies. This will limit egg production. The hen uses 75 per cent of all her feed for body maintenance. She must have oyster shell when she wants it, and it has been found that eastern shell is higher in lime than the western product."

"A uniform flock shows that the owner has a definite aim," said Mr. Cosby. "Each hen should have at least 2 1/2 square feet of floor space. The dry mash should have a nutritive ration of 1-4 or 1-5. All the components of the mash should be palatable and should not have more than 5 per cent of crude fiber. Part of the protein must be derived from animal sources."

MORE BALANCED FEEDS

To assist dairymen in buying good balanced dairy feeds suited to the different feeding conditions, two additional dairy rations have been computed in cooperation with the experiment station. Their use is recommended according to the kind of roughage and succulent feeds the dairyman has and is feeding.

Ration No. 2 is being used by a large number of dairymen. Because one ration will not fit all the feeding conditions of the county, two additional ones have been computed. Some dairymen are feeding roots, other silage, some feed alfalfa hay, while others feed native hay. With this fact in mind, three rations are suggested that may be obtained by asking the local feed dealers for them by ration number.

- Ration No. 2 to be used with native hay and roots or silage:
- Mill run 1200 lbs.
- Barley 500 lbs.
- Cotton seed 300 lbs.
- Ration No. 3 to be used with alfalfa hay and roots or silage:
- Mill run 1200 lbs.
- Barley 500 lbs.
- Cotton seed 100 lbs.
- Corn 400 lbs.
- Ration No. 4 to be used with native hay where neither roots or silage is fed:
- Mill run 1200 lbs.

- Barley 200 lbs.
 - Cotton seed 200 lbs.
 - Corn 400 lbs.
- All these feeds are computed, so that when brought in ton quantities even sack lots will be necessary for the dairymen to do will be to mix. At the present feed costs, these rations can be purchased for less than \$30 a ton.

RECIPES

Cream Tomato Soup
One and a half cans tomatoes; one generous quart water; three-fourths quart cream; chop coarsely one medium size onion, one small bunch parsley, one small head celery, one carrot and boil slowly with the tomatoes and water for an hour and a half. Then put through wire strainer and return to stove. Stir into this a little baking soda, just as much as the point of a table-knife will hold, adding the cream at once. Season with salt, pepper, and butter; add two finely rolled crackers, and when thoroughly hot through serve at once.

Cheese Souffle
One cup grated American cheese; two cups milk; three eggs; four slices buttered bread, cut into very small cubes; one teaspoonful salt; pinch of Cayenne pepper; one-fourth teaspoonful dry mustard.
Beat eggs, add milk and seasoning. Arrange bread and cheese in alternate layers in earthen dish, cover with milk, etc. and let stand 15 minutes. Bake 20 or 30 minutes and serve at once in dish in which it was baked.

This makes a very dainty luncheon dish and an excellent substitute for a vegetable.

BANNER THOUGHTS IN POETRY

Little Finger Prints
Little ones will write their names,
And make marks of every kind;
It's mostly on the window panes,
You've polished till they shine,
And have their play-things all around
And chairs tied up with strings,
To make a train of choo choo cars,
To carry all their toys and things.

I use to think the window panes
Must be polished clean and bright;
And all the house be spick and span
With not a bit of dirt in sight.
Then, if some company would come,
And find things out of place,
I always did the very same,
Apologize in greatest haste.

'Tis years ago, it seems but yesterday
Little ones, with laughter and with noise,
Made the home so happy and so gay,
My darling, naughty, girls and boys.
The boys and girls would all be grown
And every one would go away
And leave us in our home alone.

The house seems big and still,
There's not a bit of noise;
And yet 'tis such a little while
Since it was full of girls and boys.
No chubby hand to leave its print
On window pane or mark the wall;
No playthings scattered all about,
No racing up and down the hall.
If I could turn the page of life

And live the years again
The little finger prints and like
Would not annoy as they did then;
For I would know how soon the day
When little ones and all their toys,
Would be gone far, far away
The naughty, little girls and boys.
MINNIE E. BOND.
In Grange Bulletin.

OREGON INDUSTRIES

Weekly Record of Industrial Conditions Gleaned From Reliable Sources Over The State

The industrial outlook for 1922 is growing better. Big industries like sugar, copper, lumber are coming back to normal activity. Cooperative farm organizations are growing in favor.

Roseburg—Forest service lookout to be built on top of Mount Bailey. Portland—O. W. R. & N. Co. rushing \$2,000,000 freight terminal. Bend and Klamath Falls to have direct telephone line.

Lebanon wants Carnegie library. Tillamook county to build highway from Falls Creek to Netarts.

Portland broom factory turning out fifty dozen daily. Factories of city have daily output of \$630,000. The 846 plants employ 31,469 people.

Gates—Office Oregon Humane Society compels owners of livestock in this section to feed animals in danger of starvation.

Portland—111,000 boxes apples sent to Europe by steamer last week. St. Helens—17,000,000 feet lumber going to Atlantic coast.

Wallowa County has 26 per cent of 1921 taxes uncollected. Highway Biggs to Grass Valley under construction.

Amunville—Bids called for \$24,000 school construction. Baker—Big gold and silver strike made on Lost trail group 3 miles from Mt. Lookout.

Eugene may get furniture factory. Portland—\$103,000 contract awarded for 4-story office building.

Nyssa planning new \$5000 school.

The Time to Buy

Is when others are not buying—when money is rather close and prices are low.

When spring opens there is always a buyers' rush, and prices always follow demand.

If you want a city home, a farm or any property, look them over now and save money. Come in and see what I have.

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Eugene—\$50,000 creamery plant to be built here.
Bend—American Express Co. to construct new building.
Milton—Cold storage plant under way.
Wheeler—Bank being organized.
Lebanon—Cascadia road planned at cost of \$500,000.

Clatskanie—Benson Timber Co. resumes work with full crew.
Corvallis—Spaulding Lumber Co. presents O. A. C. with 160 acres of timber.

North Bend—Lumber company resumes work, employing 200 men.
Toledo—Big mill to be ready for operation June 1.

Newberg—New business block under construction.
Salem has joined the tax boosting cities. For two years levies declined but for 1922 millage is increased to meet salary raises.

Oregon authorized bond issues now total \$188,930,892.

Amunville planning to establish a flax scratching plant.
Oregon to receive \$1,875,644 federal highway money in 1922.
Oregon City—Red Men to erect a

modern fireproof lodge building.
Hood River apple industry for 1921 totaled 4960 carloads.
McKenzie highway from Sisters to Summit to be macadamized.
Seaside built 182 new residences in 1921.

Oregon spent \$18,245,281 on roads in 1921, \$2,181,956 of total being federal funds and counties provided \$955,831.

Enterprise—Logging operations to start with 150 men.
Trousdale planning new community and cold storage plant.
Roseburg—Building permit issued for \$10,000 garage.

The Dalles—6383 tons apples dehydrated in local plant.
Estacada—Plans being drawn for an electric power unit.

\$176,000 approved for improvement Albany-Cascadia road.
Astoria—Second quarantine station for imported cattle to be established at port of Astoria.

Marshfield—\$50,000 logging equipment purchased for local camp.
Corvallis—W. C. T. U. purchases 246-acre farm near here to be used as home for dependent children.

CLASSIFIED ADS

Advertisements in these columns are inserted at the rate of one cent per word. No advertisement will be charged for less than 25 cents.

STRAYED—10 head cattle; also 1 brindle cow with chain on horns. Brand P. S. on right flank. Address J. L. Smithson, Molalla, Oregon.

Beaver Creek Poultry Farm, Phone 22-15. White Leghorn baby chicks from vigorous free range, high egg producing stock. Taking orders for March delivery. Chicks \$16.00 hundred, eggs \$7.00 per hundred.

FOR SALE—Toggenberg milk goat 2 year-old. W. E. Cromer, Estacada, Ore., R. No. 3. 1-26-2p

NO. 1 RUSSELL MILL—All complete 40 hp. engine, 40 hp. boiler, 3 head block carriage, open 49 inches, 2 saws lower and upper, lower 48 in., upper 36 in., 1 cutoff saw, one log haul, one log turn, all belting and pulleys needed. A. J. Martin, Hoff Ore, Phone Beaver Creek 19251. 1-26-2p-PP

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WANTED—To hear from owner of good ranch for sale. State cash price, full particulars. D. F. Bush, Minneapolis, Minn.

FOR SALE—Ten horse power steam Russell traction engine, at Mulino, Oregon, for \$300 cash. Address J. F. Dix, Parkplace Lumber yard, or phone 723W. Oregon City. 1-19-22. P. D.

CEDAR POSTS FOR SALE—W. W. Harris, Phone Beaver Creek 1-4. 2-2-2t.

SECOND HAND GOODS—Bought and sold. Stoves and Ranges, Buffet and a Thousand and one other articles in daily use—we have on hand. We Buy Everything and Pay Cash for same. J. H. Mattley, 914 - 7th St.

FOR SALE—1700 lb. Team, harness and wagon; 1100 lb. mare; 950 lb. mare; Ford truck, chain drive; 3 shoats, 1 sow. Tel. Redland 710. McFarlane Bros., 1 mile South of Carver. 2-23-PP.

LOTS WANTED—In Gladstone or Oregon City. Will give a \$1,000 equity in new 4-room house in the Woodstock district in Portland. Located on good county road, modern in every way, including plumbing fixtures, electricity, gas, full concrete basement, garage and other improvements. Total value \$3,000. Balance of \$2,000 due at rate of \$25 per month plus 6 per cent interest. Inquire of R. E. Read, at Banner-Courier office.

BABY CHICKS—For Sale S. C. White Leghorns from heavy laying strain. \$15.00 per hundred. H. Cunningham, Holmes Ave., Oregon City, phone 15F12.

FOR SALE—1000 Frit Trees and Rose Buses, apples, pears, prunes plums, and peaches, one and two year olds, 25 cents each. H. J. Bigger, Oregon City Greenhouse. Nov. 17-4t.

FOR SALE—One old "Trusty" incubator, 210 egg, also one Buckeye, 210 egg. First class condition. Oregon City, Route 5, S. E. Gatra.

FOR SALE—Single comb R. I. Red cockerels. Full blood, line bred, trap nested. 5 each. Also couple young toulouse ganders. \$4 each. "Wahoo Ranch", W. S. Danwait, Clackamas, Ore. Route 1, Box 52B. Jan. 12-4-PP.

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