

# AGRICULTURE AND LIVESTOCK NEWS

## Up-to-date Information to Help Develop Progressive Farming

### FARM REMINDERS

Spring planting of vetch is successful only when planting is done early. Planting after March 1 is likely to produce a low yield.—O. A. C. Experiment station.

Persons desiring to plant potatoes in February for early use should use whole seed, as cut seed rots in a cold, wet soil. Little is usually gained, however, by extremely early planting.—O. A. C. Experiment station.

Will the pullets be laying next fall when the price of eggs is highest? A definite hatching plan now and provision for carrying out the schedule will help toward that end.—O. A. C. Experiment station.

### White Globe Turnip Best

The pomeranian white globe turnip out-yields all other varieties by two tons per acre for late summer and early fall seeding finds the branch experiment station at Astoria. This variety has better keeping qualities and a much longer feeding period than the commonly grown cowhorn variety. These results apply to all coast counties.

### Auto Tires Beat Thorns

An old inner tube from a large sized auto tire is useful when pruning black raspberries. The berry canes should be drawn together partly and tied with binder twine so that they afford mutual support after which they should be pruned back to a height of about 30 inches. By drawing the tube over the left arm and cutting it just beyond the hand good protection from thorns may be had during the pruning.—O. A. C. Experiment station.

### Fertilizer Orders Due

Prices on fertilizers should be obtained at once so that orders may be placed without delay. Land plaster should be applied as soon as the first warm weather comes. Other fertilizers may be applied after plowing, but as soon afterwards as possible in order to allow the materials to go into solution in time to be effective for the first crop. Quantity orders of limestone will be necessary if the state plant is to continue in operation, and the price will depend largely, it is said, on the volume of output.—O. A. C. Experiment station.

### Spray Material Calculated

In figuring the amount of spray materials needed allow 200 gallons of dilute spray mixture for each acre of trees 9 to 12 years old. The average dilution of winter strength lime-sulfur is 12 to 100, hence to find out the gallons of stock solution needed multiply the number of acres by 24 to get an approximate estimate. For the delayed dormant spray multiply by 7. About four pounds of arsenate of lead per acre are needed and one should figure on making four applications a year. Thus, multiplying acres by 16 will give a good estimate.—O. A. C. Experiment station.

### Order Seed Corn Now

Because of early frosts last fall much seed corn was injured, and farmers expecting to grow that crop should obtain their seed at once to be sure of getting good seed. In selecting ears from home grown supplies take those that are well matured, sound, and medium tough. Avoid loose or discolored ears and those having shredded shanks, as these may be diseased.—O. A. C. Experiment station.

### SILLO IS FOUND BIG AID TO STOCKMEN

The silo is rapidly becoming recognized as a necessary part of farm equipment in every section of the state. It formerly was thought that the silo was best adapted to dairy districts, but the experience of leading farmers shows that it is equally profitable for range cattle and sheep operation. In most places the cost of fattening steers on a ration of hay and ensilage has been found to be just one-half the

cost of a hay ration alone. Almost as outstanding results are obtained from feeding ensilage to stock cattle being wintered.

Many sheepsman have found that on the average a ton of ensilage equals two to three tons of hay in feeding value. Ensilage thus increases the livestock carrying capacity of their land and reduces the cost of livestock production.

### SEVEN SPRAYING OPERATIONS FOR ORCHARD TREES

Seven spraying operations are necessary for success in commercial orchard practice, reported H. P. Bars, professor of botany and plant pathology, in a Farmers' week address and not one of these can be omitted. The man with a small planting on a general farm usually can not take time for so many sprayings, but he can produce a fair grade of fruit with three applications of the proper spray materials at the proper time.

"The three most common apple diseases are scab, codling moth and the scales, oyster shell and San Jose," said Professor Bars. "Moss is a common pest in this section but if the regular sprayings are made it will cease to be a factor. If scale is once thoroughly controlled, yearly sprayings for it will not be necessary. Apple scab is caused by a fungus which attacks both leaves and fruit, and winters on the dead leaves and may be controlled by shallow plowing or by burning the leaves. A rainy period is favorable to spore production.

"In the home orchard the first spraying should be made just before the blossoms come out, and consists of lime sulphur 1-30. The next should come after the petals fall and the third a month later. The exact strength of sprays is not so vital as the thoroughness of application.

"Anthracnose may be controlled by the application of Bordeaux 4-4-50. Have it on the trees when the fall rains start," says Professor Bars. "Brown rot on prunes may be reduced by the use of Bordeaux 4-4-50, also by thinning so the fruits do not touch. Trees which are well pruned and which admit light and air do not offer a favorable home for fungi. Mummified prunes should be burned or buried as the fungus winters on these.

"Four gallons of spray liquid will be necessary for an ordinary tree and from seven to nine gallons for a large tree. Professor Bars emphasized that every part of the tree must be covered to make spraying most effective.

### IMPROVED ROADS SUFFICIENT TO ENCIRCLE THE EARTH

What the new Federal highway appropriation to be expended under the direction of the Bureau of Public Roads, United States Department of Agriculture, will mean to the country is accurately gauged in a synopsis prepared by the bureau, showing the use to which the \$275,000,000 previously appropriated by Congress has been put. Up to December 31, \$212,077,346 had been put to work in projects either entirely complete or under construction. To match that amount the States appropriated \$285,379,312.

making a total of \$497,456,658. If placed end to end the roads to be paid for by this money would encircle the earth at the Equator and extend as far as from New York to San Francisco on the second lap. The total mileage of roads under construction and completed, the department's records show, was approximately 27,000 miles. Of this mileage 9,555 miles was in projects entirely completed. The balance of 17,445 miles was in projects which were still under construction but reported 69 per cent complete October 31. In those projects there was the equivalent of 12,000 miles of completed roads, so that the completed road to date was more than 21,000 miles, or nearly enough to encircle the globe.

Prior to 5 years ago the Federal Government took no active part in the road construction of the country. Today about one-half of all roads under construction are being aided financially by the Federal Government, and the construction is subject to inspection and approval of Federal engineers.

### Poultry Pointers.

It is surprising the large percentage of farmers and poultry raisers who do not take advantage of the broiler market. This is the poultry raiser's greatest opportunity for making money. Broilers weigh from 1 1/2 to 2 1/2 pounds. The highest price comes in March and is often as high as 60 to 70 cents a pound at that time. Chicks hatched in January, February and March can be developed into the broiler size in from eight to ten weeks. Just think of the opportunity lost by the poultry raiser who does not sell broilers.

In most instances it pays to ship the broilers direct to the commission houses in the city. The coops are returned at a small expense, usually from 15 to 25 cents each. This extra profit pays the poultrymen well for his work.

Hatching early chicks is done more successfully with incubators, as few hens want to begin to set at that time, besides the profit in the hen is in keeping her laying high priced eggs at this time of the year. If you have never practiced hatching early chicks for broilers, try it this year, using at least a small size incubator. Those who have once sold early broilers seldom fail to repeat it the following season.

The early chicks are kept comfortable if given a snug brooder house and a common sense kind of brooder.

## OREGON INDUSTRIES

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

Mining activity is increasing, logging camps are opening, wool clips are

moving, railroads are placing equipment orders, building continues to increase while price of commodities and wages are slowly but surely returning to normal levels. With indication for tax reductions, 1922 promises better things for industries.

Tax reduction Convention called at Portland, March 20.

Toledo—\$25,000 corporation formed to improve housing conditions.

Move started to consolidate Portland and Multnomah county.

Tillamook—New 50-mile mail route will accommodate 1300 people Feb. 1.

Eugene steam laundry employs 30 people.

Albany considers erection of city hall.

Wheeler county tax rate, 6 mills over 1921.

Gardiner sawmill making \$10,000 improvement.

Single tax measure to be forced on ballot in 1922.

Astoria—Carpenters cut wages for 8-hour day to \$7.00.

Albany—2300 drainage district being formed.

Union and Jackson counties refuse to enforce dog tax law.

Eugene cigar factory manufactures 500,000 choice cigars yearly.

Madras—Bids called for \$4,000,000 irrigation project.

Albany—Annual report of city library shows marked growth.

Prairie City—Ledge of jade opened up.

Albany—Local theater installs big new pipe organ.

Ashland—1921 building activities show growth of 50 per cent over 1920.

Tillamook county has \$425,000 available for road purposes.

During 1921, total of 118,615 motor vehicles, including passenger and commercial cars, and 3146 motorcycles were registered and licensed in Oregon.

Electric waffle iron factory started in Portland.

La Grande—Union county has sold \$400,000 road bonds.

Oregon exports for the first 11 months of 1921 increased to \$62,500,700, a gain of 12 per cent. Washington exports fell off 55 per cent and San Francisco 45 per cent. Mining products fell 48 per cent in silver \$242 in gold and 88 per cent in copper compared to 1920.

Corvallis—First annual course in cannery at agricultural college starts Jan. 30 and includes actual demonstration work.

Aumsville—Co-operative flax industry gets 300 acres for five years.

Cottage Grove cannery pays 20 per cent to stockholders.

Roseburg—County orders one mile Garden Valley highway p. d.

Salem—Valley flax and hemp growers have 1,000 acres pledged for 5 years to establish fiber industry.

Portland to load 2,000,000 feet lumber for Atlantic coast.

Wallowa to have new sidewalks.

Warrenton—Clay pottery plant in operation.

Toledo—Sawmill to run full capacity employing 300 men.

Remaining uncracked timber in Douglas county to be cruised.

Roseburg—New street paving completed.

New mining company incorporated. Property embraces 1500 acres placer ground in Josephine county.

Astoria ships nearly half million cases salmon this year.

Elmira—Noti road to receive \$48,000 improvements.

Astoria—Baptists to erect new church.

Crane looking forward to early resumption of work on Strahorn railroad north and east of city.

Lane county appropriates \$5,000 for improvement of Alvadore-Coyote road.

Portland—Construction work to start soon on \$250,000 Shrine hospital for crippled children.

North Bend plans \$5,000 community hall.

Gasoline is the one article that shows steady increase in consumption in the United States. The record crossed five billion gallons in 1921.

H. V. Platt, General Manager, Oregon Short Line announces curtailment of train service on ten branch lines on account of constantly suffered losses over this mileage, not paying operation.

Course in Commercial Cannery Work Jan. 30 the Oregon Agricultural College puts on its first annual course of study and practical demonstration in cannery operation.

The canning industry is one of the great factors of prosperity for both country and city population and training people are needed.

The State college will handle scientific processes of the chemistry of preserving and the practical operations of canning.

The American Can Co. will demonstrate the machine processes of cooking and sealing cannery products at the college.

Men or women can take this five weeks' course and at small expense equip themselves technically to take cannery jobs.

### BANNER THOUGHTS IN POETRY

The following poem is descriptive of conditions upon the Admirals Ship during Columbus' first voyage across the then unknown waters to the New World. Its great lessons are courage, determination, faith.—Editor.

### 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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gone.  
Now speak, brave Admiral, speak and say:  
He said, "Sail on, sail on, and on."  
4.  
They sailed and sailed then spake the mate:  
"This mad sea shows his teeth to-night."  
He curls his lip, he lies in wait,  
With lifted teeth as if to bite;  
Brave Admiral, say but one good word.  
What shall I do when hope is gone?"  
The words leapt like a leaping sword:  
"Sail on, sail on, and on."  
5.  
Then pale and worn he paced his deck,  
And peered through darkness.  
Oh that night of all dark nights,  
And then a speck, a light, a light,  
at last a light.  
It grew a starlight flag unfurled.  
It grew to be times' burst of dawn.  
He gained a world. He gave that world  
Its grandest lesson—  
On, sail on.  
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**BABY CHICKS**—For Sale S. C. White Leghorns from heavy laying strain. \$15.00 per hundred. H. Cunningham, Holmes Ave., Oregon City, phone 15F12. tf.

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