

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

Spray Controls Woolly Aphis. Woolly aphis on fruit trees can best be controlled by spraying with a combination of lime-sulfur and miscible oil applied in late winter.

Fruit Cannery Helped. Northwest fruit cannery and packers have a chance to attend the first cannery school ever offered in the north Pacific district.

College Horticultural Products Section. The first and oldest in the United States, to the cannery. How to control organisms in fruit and vegetable products, their relation to ripening and preserving, bacteria in food preservation, and other problems fundamental to the canning industry.

O. A. C. Jerseys, Front. Eight cows, half-sisters, sired by Maple Park Chief, an O. A. C. station registered Jersey, have completed their first-calf records with an average yield of 8272 pounds milk and 441.4 pounds butterfat per year.

Spring Seeding for Pastures. Spring seeding for pasture may be done at this time. A good mixture for well drained lands of western Oregon is English rye grass 6 pounds; Kentucky blue grass, 3 pounds; meadow fescue, 3 pounds; timothy, 2 pounds; and white clover 1 pound.—O. A. C. Experiment station.

Peach Leaf Curl. Letters come to the plant pathology department each year from farmers who have lost their peach crop because of peach leaf curl. This disease can easily be controlled with one thorough spraying with Bordeaux 6-6-50, applied before the buds swell.

Re-Seeding Wheat. Eastern Oregon farmers reseeded fields of partially frozen out wheat should use spring varieties as nearly similar to the partial stand as possible. Federation, hard federation, and Baart are good to sow with forty-fold. Marquis and even Hybrid 123 may be used in reseeded Turkey red. Hybrid 143 is a good variety to use in reseeded white clubs of the winter habit.—O. A. C. Experiment station.

Tree Pruning. Fruit trees that are allowed to grow thick and bushy from lack of proper pruning cannot well be thoroughly sprayed. See that the spring pruning leaves the trees thinned out enough to admit an abundance of air and sunlight as this practice will tend to prevent the development of diseases and will make the regular

spraying more effective.—O. A. C. Experiment station.

Campaign for Farm. Mrs. E. B. Andrews of this city is actively interested in the campaign to raise funds for the children's farm home to be established three miles from Corvallis, for the care of orphaned and dependent children. Mrs. E. L. M. Shandy is assisting her.

The farm is to be a real home, as distinguished from an institution, where children, who cannot be legally adopted or placed in permanent private homes, may be reared under Christian influence. The Oregon Agricultural college will assist in the matter of farm management and in vocational training for the boys and girls in the house.

The farm will be under the direct care of the Woman's Christian Temperance union, but will have a separate corporation and will have the support of the entire citizenship of the state. The officers and board of trustees consist of public-spirited men and women with no selfish interests to be served and who are giving time and money to the project with no compensation of any sort. All funds will be used strictly for the purpose intended and the home will be as nearly self-sustaining as possible.

Liberal gifts have been made for the preliminary work, but payments must be made soon on the farm and it is hoped that funds will be available for the construction of buildings by summer. The maintenance for the first year is assured.

The Great Need. The world is needing you and me in places where we ought to be: Somewhere today it's needing you to stand for what you know is true.

To win the favor of the throng. The world needs humble men to toil. Men who will till a patch of soil; Men who behind their work can see more than their gold and silver fee; And choose to serve where best they can.

The beauty of their spoken words. On which deceit must leave its stain. The world needs men who will not brag. Men who will honor Freedom's flag. Men who, although the way is hard, Against the lure of shame will guard.

And calls aloud to me and you. The world needs men of lofty aim, Not merely men of skill and fame, Not merely leaders, wise and grave, Or learned men or soldiers brave, But men whose lives are fair to see, Such men as you and I can be.—Edgar A. Guest.

See George For GROCERIES AND MEAT Georges Cash Store CARVER

HOW TO PROPAGATE FIT NURSERY STOCK

The propagation of nursery stock is of vital importance to, and in reality the very foundation of, the fruit industry, yet how careless many growers are in selecting the stock they buy! One cannot judge the true worth of nursery stock by its appearance as there are so many little details involved in its production which influence the quantity and quality of fruit the trees will produce.

There is a tremendous significance in blood, both in human beings and in animals. It is truly remarkable what has been accomplished in breeding up livestock to a state of excellence.—So it is an indisputable fact that nurserymen in general are not modern or up to date in methods relating to the propagation of nursery stock.

The growers are more to blame for existing conditions than the nurserymen as they do not demand superior stock and many of them would not pay the difference in price between high grade and inferior stock. In the production of high grade nursery stock there are three essentials to be considered. First comes the location and climate in which it is raised. I would prefer home grown stock, but if this is not obtainable, I would recommend getting stock from a more rigorous climate than our own.

The second matter of importance is the origin. In propagating nursery stock, one must remember that some varieties of trees are susceptible to almost every disease existing, while others again are vigorous, hardy and immune from such ailments. As in livestock, so in fruit, some crosses will not blend, the offspring being unsightly and tending to degeneracy rather than invigoration. The root is the primary factor of the tree for the vigor, longevity, productiveness and quality of fruit depend largely upon it.

The third essential is that the land should be in a high state of cultivation with deep, rich soil and good drainage. The size of tree desired and the early maturity of the wood can be regulated by cultivation of the land and proper irrigation. Many nurserymen are trying to raise stock on impoverished land entirely unfit for what was expected of it, and in order to get trees of the required size, they use too much water and also use the water too late in the season to allow the trees to ripen thoroughly before fall frosts attack them. There are other reasons that would lead one to condemn nursery stock besides the fact of its being diseased, stunted, inbred, mongrel or because of poor workmanship in grafting and budding.

E. J. WATSON, Yakima. Clackamas county's biggest, newest newspaper for 1922, during this month for cash, special \$1.00.

Dormant Pruning Makes Big Apples. (By E. G. Wood.) Horticulturist, Washington.

Orchardists are wondering how to make their fruit trees and particularly their wineap and Jonathans produce bigger apples. Moderately heavy dormant pruning will induce these trees lacking vigor to produce a more vigorous growth and as a result they will tend to produce larger apples. Fertilization of the soil, pruning, thinning and irrigation must all be given careful attention to increase the size of the apples and make orcharding profitable. However, every orchardist will soon be pruning and pruning suggestions are in order.

While trees are young they produce large fruit because they have the vitality. As they grow older a greater proportion of their vitality is spent in fruit production and less in wood, and the trees overbear. A tree that overbears is undevigorous, and to increase its vigor and make it bear larger crops of large fruit is the problem. Pruning, in its relation to thinning, deals with the fruiting wood and top of the tree as a whole while thinning deals with the individual fruit spur. When fruit spurs become too old, they become weak and bear small fruit or none at all. Moderately heavy pruning will help keep the spurs vigorous and induce the growth of new fruiting wood in the tree with a supply of vigorous spurs.

The size of the apple is dependent to a considerable degree on the amount of the flow of elaborated sap it receives. It has been observed that the larger apples on a tree are on the stockier branches where the channels carrying the sap are the largest.

A large amount of leaf surface of healthy vigorous leaves is required to produce stocky branches and large fruit. Trees need to be pruned sufficiently heavy to re-establish the proper balance between wood and fruit production. Poultry Raising Means Steady Work. "Don't expect to retire on a poultry farm. It means an all day job 365 in the year." This warning was sounded by A. G. Lunn, professor of poultry husbandry in an address during Farmers' Week.

"Men enter the poultry business expecting to get rich quick," continued Professor Lunn, "and many disappointments result. No branch of farming requires more business ability and in no other line must details be watched so carefully."

The outlook for a continued demand from the east for poultry products is no bright, according to him. On the other hand, as poultry production is the east increases, the Pacific Northwest will become the logical source of improved breeding stock.

Fowls in this section need not be confined through the winter months as in the east thus hatchability and adding vigor to the young stock. The poultrymen of the coast must meet the condition of lower prices by cutting costs of production, and increasing individual and flock yields.

"In the poultry business there are three important considerations," said

the professor. "They are the stock, the man and the type of the business. Poultry keeping is being broken up into its specialties such as hatcheries, pullet raising, egg production, or the raising of fowls for market. Beginners often are successful in the poultry business as they are often more enthusiastic than the man who by close attention for several years has had his enthusiasm dulled by close attention and lack of time to see what other poultrymen are doing."

The man who feels that he wants to go into the poultry business on a large scale was advised first to work on a poultry farm for a year. Conditions ought not to be judged by the pleasant surroundings and general enthusiasm which are common in the early spring. Get acquainted with the work in the mud and rain of winter. This is the real test of a poultryman's inclination.

"Egg production on the college farm has increased from 90 to 200 eggs per hen in 19 years. The 300 egg hen is becoming more common every year and the flock which can average 300 eggs is becoming a possibility."

Progress in Wireless. It cannot be other than a tremendous satisfaction to Marconi to have lived to witness the universal use of his discovery of how to hurl a message through air across oceans to ships and over continents to cities, thousands of miles apart. What hardly 20 years ago was almost a miracle, to be performed only by experts and scientists, has now become so easily done and understood, that some 60,000 amateurs, chiefly boys in their teens with antennae raised from barn or ridgepole, daily and nightly pick up messages from points thousands of miles distant, or listen to lectures, concerts and grand opera delivered far from their homes.

While it yet seems a long way off, it is unlikely that before another 20 years shall have passed we may be provided with instruments which anyone can conveniently carry in his pocket and so converse with home or office while walking from one to the other.

The electrical department of the city of Chicago has announced completion of plans for the installation of wireless telephones which will enable headquarters to communicate with police squads, police and fire boxes, and police and fire engine stations within a radius of 30 miles.

In telephoning over metallic circuits the important departure just now is the beginning of the end of the career of that efficient and much abused personage—the telephone girl. The start is already made and as soon as the enormous task can be accomplished, telephone exchanges, even the largest, will require but a few attendants and these mechanicians.

Interpreting the Einstein Theory. In connection with recent earthquakes in Mexico and California, a dandy preacher in Houston, Texas, has evolved an ingenious theory, which, one must admit, fits very well existing circumstances. He addressed his flock as follows:

"Brethren an' sisters, we have received annuder warnin' not to go pesticitatin, into de ways of providence. De earf, breddern, revolves on its axles, an' it takes a right sma't ob grease to keep it lubricated. So de good Lord put petroleum inside de earf to keep de axles greased. "Den, bye an' bye long come all dese hyah ile companies, punchin' holes in de ground clear down into de bearin', and quenseconly all de ile be come squirtin' out. Fusst thing we know dere's a hot box an' de earf

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"Den, bye an' bye long come all dese hyah ile companies, punchin' holes in de ground clear down into de bearin', and quenseconly all de ile be come squirtin' out. Fusst thing we know dere's a hot box an' de earf

squeaks an' rumbles an' grunts an' dat's de earthquake. If they don't quit it perty soon dere won't be no moah grease left and de earf will stick tight on its axles an' won't go 'round no moah." Wayside Tails.

Big Timber Deal In Clackamas County

Big Timber. The Union Lumber company of New Orleans has purchased from the United States government an 1160 tract of timber located near Estacada in the Oregon-California railroad grant, which was returned to the government in 1916. The company failed to carry out its provisions of the grant.

A cruise of the timber on this tract shows 44,670,000 feet of fir; 1,339,000 feet of hemlock; 825,000 feet of cedar and 20,000 feet of white pine. The purchasers own other tracts in Clackamas county above Estacada. The price paid was \$2 per thousand and the time allowed for the removal of the timber was ten years. The Shasta Limited Will Soon Speed Up. On the 12th of next month, the S. P. will cut down the time now required for a Portland-San Francisco trip. Pre-war time will be adopted. The Shasta Limited will make the run in 25 1/2 hours while at the time she takes two hours longer.

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