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# FARM AND ORCHARD

Notes and Instructions from Agricultural Colleges and Experiment Stations of Oregon and Washington, Specially Suitable to Pacific Coast Conditions

## HOW TO KILL GARDEN PESTS.

Ways to control the common pests of the vegetable and flower garden are described in a new bulletin which is in preparation for publication by W. F. Wilson, assistant entomologist at the Oregon Agricultural college.

"Destructive insects secure their food either by eating portions of plants, or by sucking the juices therefrom," says Mr. Wilson. "The first general group are controlled by food poisons taken into the stomach, the second by contact or external insecticides.

"The internal insecticides are divided into two groups which may be termed the wet and dry sprays. The wet sprays consist of arsenicals applied with water or lime-sulphur as a distributing agent.

"About the only one in use at the present time is arsenate of lead, which, when properly made and undiluted, is efficient and does not burn the foliage, as Paris green sometimes does. For ordinary use, two pounds of arsenate of lead to fifty gallons of water is effective. At times it is necessary to use five pounds of arsenate of lead to fifty gallons of water, as some insects do not readily succumb to a small amount of the poison.

Occasionally nearly any of the standard varieties grow sufficiently well for family use. Varieties of some promise in such sections are the Rome Beauty, White Winter Pearmain, Delicious and Gano.

"The fancy varieties of pears I would suggest for the region are the White Doyenne, Seckle, Clapp's Favorite. Peaches as a rule should not be grown in the higher elevations of Eastern Oregon, but occasionally such varieties as Alexander and Amesen do very well. The Gobb's apricot is often successful.

"The four kinds of cherries suggested by Prof. Lewis are the Lambert and Bing sweet cherries, and Early Richmond and Olivette for sour ones. Two varieties of raspberries—Guthbert and Turner's Red—are named as good, and any of the standard varieties of blackberries, such as Kittatinny, Lawton, and Eldorado, may be grown. Red Jacket and Champion gooseberries, and Bedwood, Warfield, and Clark's Seedling strawberries are also mentioned.

## COMMERCIAL VALUE OF DWARF FRUITS.

"The dwarf fruit as a commercial proposition is still in an experimental condition in this state," says Prof. C. I. Lewis, horticulturist of the Oregon Agricultural college, in a recent discussion of the fruits of the state. "The dwarf pear," he continued, "looks quite promising to be used in plantings by itself or as a filler.

"There is one dwarf pear orchard in Idaho, and a number in this state, but few are in bearing as yet. The trees can be planted close together. They come into early bearing, and generally produce a fine crop. They are generally worked on Angers Quince or Portuguese stock, and then worked over to Duchess and Koonce, and finally worked over to whatever variety is desired.

"The dwarf pear is obtained by using a root that is slow growing and then pruning. The pruning should be done in such a way as to throw out the laterals and spurs. Summer pruning is practiced much more with the dwarf stock than with the standard.

"Dwarf peaches are also being grown; these come into bearing quite heavily the first year. There are several plantings in this state, and it will only be a short time before we will know more of these.

"The dwarf apple has been tried very sparingly. When it is put on Paradise stock it is more of a curiosity, but when planted on the Doucin stock it may make a satisfactory tree for Western Oregon.

"The dwarf fruit offers a splendid opportunity for a home garden, and a good conservative field for trial in the commercial orchard."

## FARMER NEGLECTS FINANCIAL SIDE.

"The financial side of farming, the world's greatest industry, is almost entirely neglected by both the farmer and the schools," says Dean J. A. Bexell, of the Oregon Agricultural college, author of a volume on "Farm Accounting and Business Methods," now in its sixth thousand.

"Professor Bailey, of New York, said, in discussing the matter of his own state: 'In visiting practically every farm in one of the counties of the state, we did not find one man who knew how much it cost him to produce milk or to raise any of his crops.'

"The secretary of agriculture, in recent year books, points out the remarkable prosperity of the farmer; that the export of farm products is vastly in excess of all other exports combined; that a million agricultural debtors have been transformed during the last ten years into the same number of surplus depositors; that contrary to his reputation, the farmer is a great organizer, and has achieved remarkable and enormous successes in many lines of economic co-operation in which the people of other occupations have either made no beginning or have nearly, or not completely, failed. He points out that most farmers live better than the average merchant or mechanic.

"It is doubtless true that the farmer is becoming a factor to be reckoned with in the business world; that the average farmer knows vastly more about scientific farming than his father did. He understands more thoroughly the value of proper cultivation, of fertilization, of rotation of crops, and of diversified farming. But it cannot be said that he owes his success to improved business methods. He has been successful rather in spite of his ignorance in this respect, and because of the lavish generosity of mother nature."

## FASHION HINTS



Our sketch shows an attractive way to make up a buckled foulard. The large reverses continue over the shoulder and form a sailor collar in back.

A Serious question.

"Will the discovery of the pole result in any tangible benefit to mankind?"

"I don't know as it will," answered the press humorist. "I doubt if the few new jokes it afforded will offset the raft of good old jokes it put out of commission."—Louisville Courier-Journal.

The Fanning Mill.

Every farm should have on it a good fanning mill and it should be used.

## Two Educations.

We all have two educations, one from others and another, and the most valuable, which we give ourselves. It is the last which fixes our grade in society, and eventually our actual condition in this life, and the color of our fate hereafter. All the professors and teachers in the world cannot make you a wise or good man without your own co-operation; and if such you are determined to be, the want of them will not prevail.—John Randolph.

## Palestine Grows Best Oranges.

The best oranges on the European market are from the land which is said, yet fetches now the highest price for orange culture. There is a jesting phrase among Jewish colonists as to Palestine fertility: "If you but stick an umbrella in the soil you will next year get a crop of them." The orange trees bear fruit two months before those of Italy and Spain."

## THE TRUTH ABOUT BLUING.

Liquid bluing is mainly water. Given a half or a cent's worth of bluing and a large bottle filled with water and you have the frail excuse that's called bluing.

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## Mustache Makes for Health.

Dr. Paul Kruger, a well-known physician of Vienna, affirms that the mustache has a distinct value for the health. He believes that its utility lies in protecting the nose against the invasion of dust and bacteria. Recording 500 cases of severe headache and throat and nose trouble among his men patients, he found that 420 of them had their upper lip clean shaven.

## Naturally.

"The attempt to commit suicide is not a punishable offense under the German criminal code. But of course," says a London exchange, "if you succeed you must be prepared to take the consequences."

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## Dirt and Disease.

Dirt is the "perfect culture" of all diseases and of all that delights in disease. There the microbes of all plagues live and move and have their being undisturbed by the broom or the mop, unafraid of the smell of soap, and never awakened from their rest by the light from any lamp of knowledge that constitutes the science of modern times.

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H. L. HUGGINS, Welch, Ark.

Personally appeared before me this 20th of September, 1909, H. L. Huggins, who subscribed the above statement and made oath that the same is true in substance and in fact.

W. A. PAGE, J. P.

Letter to Dr. Kilmer & Co., Binghamton, N. Y.

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