

Orchardist Gives Advice on Care of Fruit Trees as Learned After Many Years of Study and Investigation

By B. LEIS, Proprietor Astna Orchards, Beaverton

No doubt there are some of your readers and newcomers who intend to plant a few trees on their place. Undoubtedly the cherry (the best variety in their opinion) will be among the trees planted.

The Royal Ann, the Bing and the Lambert and perhaps all of them will probably be planted. If there are no others in their proximity you will be disappointed, as they will bloom, but will bear no fruit, or very little fruit. A tree of another variety, say the Waterhouse, Black Tartan, Republican or Kentish, is needed to pollinate them. The year old trees are better to plant than two year olds. Dig your holes not less than three feet in circumference and two and a half feet deep; fill up the hole again to about where the roots of the trees are to rest, then tamp reasonably solid, set the trees, spread the roots, cutting off all bruised and broken fibers. Fill in with top dirt around and under roots, leaving no air spaces, then tamp solid around the roots, fill in, and your tree is ready to grow. But don't think it will grow without your help. Keep cultivating to conserve moisture.

Don't do as a man told me one day. He bought some trees and when I asked him where he planted them, said, "Over in the fence corner and let them grow and be d— to them."

Now as to the San Jose scale, which is destructive to our trees. It is very easily controlled with one spraying of lime and sulphur solution, providing of course that you use the pure stuff, and do a hundred per cent job. If that is not done your time and money are both wasted.

First, prune your trees, and be sure to burn all the cuttings before spraying. When pruning don't leave any stubs standing as that will cause heart rot. Cut close to the trunk or limb. The scale feeds by sucking the juices from the bark tissues. It is but a small plant louse with the habit of covering itself with a waxy substance after becoming affixed to the surface of the tree with a protected hard scale covering.

The insects pass the winter in an immature stage, attached to the bark, hidden underneath the scale, which is of black, sooty color. The female scale is usually more or less convex, the center being slightly elevated, point fitting close to the bark when grown. The female gives birth to living young, which crawl from the covering and, after a few hours, insert their beak into the bark tissue and begin to feed, and they are immovable the rest of their existence.

A number of generations are developed during the summer, running high in the millions. (No birth control in that family.) A single scale when highly developed is but a small speck on the surface of the tree or fruit, scarcely larger than

the head of a pin. On young trees or small branches of older trees a red spot can usually be found under the bark. In badly infested trees the bark will be entirely encrusted and if rubbed off with a knife and the scale separated from the bark, the surface will be left with a yellowish, greasy appearance, and the bark looks grayish and very rough. The effect on the tree is death, if no spraying is done.

It is not uncommon to see young trees killed the first year after planting. After pruning, don't butcher, use your brains. If you don't prune right the first year, by forming a scaffold for the limbs, you are spoiling the looks of that tree for the remainder of its existence. Figure out your tree before you remove a limb, burn all the brush so the birds will not carry them to other trees. Then spray your trees, which must be in a dormant state, preferably when buds are swelling. Select a calm day and be sure your trees are dry when spraying, otherwise the spray will not adhere to the tree. Don't use the so-called dry stuff as you will have very unsatisfactory results as far as expenses are concerned, for I have tried it out. Use pure lime and sulphur solution without any other ingredients added. They are useless if not detrimental.

From my experience I will add a warning to others. When some 40 years ago I moved on this place and, being a born fruit crank, I planted a lot of trees and took the best of care of them. After a couple of years the trees began to look as if they needed, not only an M. D., but a specialist. Well, I started to spray and spray and spray, but they did not seem to respond to the medicine I was giving them. Finally I became so disgusted that I would have pulled them out, when I got the idea that I could make my own spray, and the result next season was strong, healthy trees, and they have been healthy ever since.

Use one gallon of lime and sulphur solution to nine or ten parts of water for dormant spray. If desired a couple handfuls of air slacked lime may be added. It will not affect the spray, but will give the trees a whitish tint. Above everything, if you have the pure spray material, let me impress on your mind the necessity of doing a thorough job. Spray every limb, branch and twig, and don't miss any part of the trunk. If any part is left unsprayed you may have a few million of the scale.

Give Charivari to Reedville Couple

Hazeldale, Jan. 25. — A large crowd of friends from Rosedale, Jacktown, Hazeldale, and Reedville charivariated Mr. and Mrs. Clarence

Churchey at their new home in Reedville Tuesday evening. The evening was devoted to dancing, and refreshments were served about midnight.

A pleasant event of the week was the Leap Year party on Saturday evening, given by Mr. and Mrs. George Jack of Jacktown. The evening was spent in dancing, after which delicious refreshments were served. There were over 100 friends present.

About 25 ladies honored Miss Bertha Reusser with a bridal shower at the home of Mrs. Matt Bloomquist, Cooper Mountain, last Thursday afternoon. The afternoon was delightfully spent, and a lovely lunch was served. Miss Reusser received many beautiful and useful gifts. Her marriage to Charles Masterson of Cloverdale will be an event of next month.

Mrs. C. R. Anderson and Miss Jean Smith spent Saturday in Portland. Mrs. Anderson spent a day or two in Seattle last week, and Mr. and Mrs. L. O. Woods and Mr. and Mrs. George Woods, who are on a motor trip to California and Arizona, brought her home Wednesday and spent the night.

Mr. and Mrs. Ed Wolf are receiving congratulations on the birth of a daughter, Jean Bernice, last Sunday.

Mr. and Mrs. C. J. Sherwood of Seattle, Wash., are the guests of Mr. and Mrs. C. L. Durban. Mr. and Mrs. Sherwood are on their way to San Diego, California.

Miss Gertrude Walthers of Portland spent the week-end with Mr. and Mrs. J. A. McMillan. P. L. Koontz of The Dalles was a guest at the McMillan home on Sunday.

Ed Miller is confined to his bed with a severe attack of tonsillitis.

Mr. and Mrs. W. P. Brooks were in Portland on Thursday, where they met their cousins, Mr. and Mrs. Albert Tisdale, and family, and Mr. and Mrs. David Tisdale, and family, of Saskatchewan, Canada. The Tisdale brothers, who own large wheat ranches in Canada, are stopping over for a few days in Portland on their way to California.

Mrs. B. W. Gothard, who is making her home in southern Oregon for the year, spent last week at her home on Cooper Mountain.

Mrs. B. L. Griffiths entertained Mr. and Mrs. Doughty at dinner on Sunday, in honor of Mrs. Griffiths' birthday anniversary.

Mrs. Pizer and family of Molalla spent the week-end with Mrs. Wes Baney. Mrs. Pizer and Mrs. Baney spent Saturday shopping in Portland.

Best sheepmen allow the ewes to graze as long as possible during the winter months in western Oregon, according to the experiment station. Every winter there is ordinarily a period of from five to ten days, however, when the grass is not available. For a short period the sheep are then fed hay to supplement the pasture, making the ewes much stronger at lambing time and also preventing a break in the wool.

Gooseberry jelly makes a good substitute for cranberry jelly as a relish for poultry or game.

At the Churches

Trinity Lutheran Church
Third and Walnut Street
George Reule, Pastor
English services next Sunday at 10:30. Sunday school at 9:45. God has not changed. Man has not changed. The gospel, therefore, is still the only effectual medium of reconciliation. We preach it. You are welcomed to hear it.

Church of Christ
Corner Third and Baseline Streets
Len B. Flashback, Minister
You will enjoy the religious instruction in the Bible school at 10 a. m. Mr. Claude Nosler, Supt. The morning hour of worship is at 11 o'clock, with sermon by the pastor. The C. E. society meets at 6:30, followed by the evening church service at 7:30. The sermon subject will be "Why there are so many churches in the world." This is a sermon lecture on church history. Music will be led by the whistling young people's chorus.

Methodist Episcopal Church
E. B. Lockhart, Minister
"The Temperance Question" will be the pastor's theme in the morning, and in the evening at 7:30 the service will be a young people's program with Miss Fannie Konnigan in charge of the junior choir and Miss Edna Mae Drake giving that classic in religious literature, "The Christ of the Indian Road." Miss Fern Garwood will lead the Epworth League at 6:30. The League is now engaged in a contest for attendance, with prospects of a record of fifty or more in the near future. Miss Mildred McPherson is one leader, and Miss Josephine Stuart the other.

First Baptist Church
S. McMinis, Pastor
Bible school at 9:45 a. m. Morning worship at 11 a. m. Sermon subject, "What the Church Owes to the Community." Evening service at 7:30. Sermon topic, "A Young Man's Vow." B. Y. P. U. meets at 6:45 p. m.

Full Gospel Tabernacle
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Sunday school at 1:45 p. m. Services at 3 and 7:45 p. m. Thursday is young people's meeting at 7:45 p. m. Evangelist Mrs. J. Green is in charge. Wonderful testimonies and messages in song by the young people. Everybody welcome.

Free Methodist Church
Corner Fifth and Oak Streets
J. N. Wood, Pastor
Sabbath school at 10 a. m. B. Y. Yates, superintendent. Preaching at 11 a. m. Song and praise service at 7 p. m. and preaching at 7:30

p. m. Prayer meeting Thursday evening. All are welcome to these services.

Christian Science Society
Sunday school at 9:45 a. m. with classes for the younger children at 11 a. m. Wednesday evening testimonial meeting at 8 o'clock. Sunday service at 11 a. m. Subject, "Love."

Hillsboro Congregational Church
George T. Pratt, Minister
Sunday school at 10 o'clock.

Morning worship at 11 a. m. Sermon theme, "Kept from the Evil One." This is the third of a series of sermons taken from the seventeenth chapter of John's gospel.

Orenco Presbyterian Church
Sunday school at 10. C. E. meeting at 6:30. Evening worship at 7:30. This will be the third sermon on Jesus' Prayer for His Disciples.

Clover rolls are made by placing three small balls of dough in one muffin ring or pan.

Profits Insufficient?



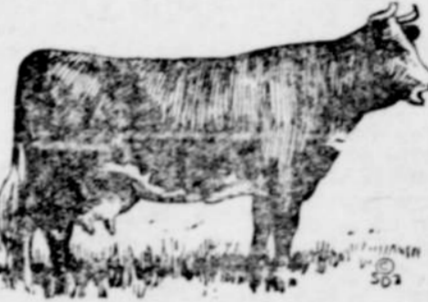
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Dividend checks at the rate of \$1.50 per share will be mailed quarterly, March 1, June 1, September 1, and December 1. These dividends are exempt from the present normal Federal Income Tax. Oregon-Washington Water Service Company has agreed to refund California, Oregon and Washington taxes not to exceed four mills. Here is an opportunity to invest at home; where you are familiar with the business of the company; where you can be-

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