

INSECT PESTS AND FUNGUS DISEASES.

Some of the Principal Foes with Which Horticulturists Must Contend, and the Appropriate Weapons.

Spraying is effective according to the completeness with which the surfaces are covered with the spray mixture...

trous scab, if carefully done. Scab of potatoes and beets is a soil disease. New growth is recommended.

Possible injury due to fungi may be avoided by preventing the germination of the spores of the fungus...

Keep all trees free from dead and useless wood. When trimming, cut so as to leave the surface flush with the bark.

First-Caterpillars and all leaf eating insects. Spray with paris green or Bordeaux mixture.

Second-Corvidae. Spray with arsenate of lead in spring. If serious later, catch adults by jarring insects from trees into a sheet beneath...

Third-Borers. The peach borer may be located by the holes close to or just below the surface of the soil.

Fourth-Flies beetles. For flea beetles use paris green mixed with alkali lime, flour or plaster...

Fifth-Plant lice. For plant lice, use kerosene emulsion (15 per cent) as soon as noticed, repeating as may be necessary to control.

Sixth-Scab insects. Scab insects are controlled by caustic solutions, so that it is often necessary to treat trees in a dormant condition...

Seventh-Red spider. To control red spider, avoid too great dryness; when present spray the plants with water with considerable force.

Paris green may be used alone at the rate of one-quarter pound to the barrel of water for all leaf-eating insects.

Fungus diseases are injurious either directly as a result of the destructive action of their juices and growth...

First-Knots. These are of two kinds—twig and root knots. The first are usually the result of a true fungus attacking the tree...

Second-Mildews and moulds. Many of the fungi belonging to these groups are injurious. They are recognized by their "mildew" or "mouldy" appearance.

Third-Rots. The group is easily recognized by its effect. A number of different fungi cause rots and are not confined to their development on the growing or ripe fruit...

Fourth-Nutty fruits. The diseases of this group are recognized by the brown (nutty) powder usually present. The chief injury of this group is done to cereals and occasionally to apples and pears...

Scab on apple, etc., is recognized by the dry, darkened patch of tissue killed by the fungus. Other fungi often begin this injury at these places. Spraying ordinarily con-

has this day filed in this office his sworn statement No. 413 for the purchase of the NW 1/4 of section 20, township 29 north, range 3 west, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes...

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

Notice for Publication. United States Land Office, Roseburg, Oregon, Dec. 12, 1922.

NEEDHAM PIANOS THE BEST AND MUCH THE BEST. We have on hand a few second hand pianos, which we are giving to close out at a sacrifice...

T. K. RICHARDSON MUSIC HOUSE Roseburg and Cottage Grove, Oregon.

Professional Cards. DR. H. L. STUDLEY, Osteopath. ALL DISEASES TREATED SPECIALLY. GEORGE M. BROWN, Attorney-at-Law.

MYRTLE CREEK FLOUR..... The Best Always the Cheapest. For Sale by Leading Grocers.

N. A. FOSTER & CO., GOVERNMENT LANDS. Of every description. Farms and Mineral Lands, Oregon, Washington and Idaho.

H. Little, DENTIST. Real Estate Agent and Notary. Timber and Homestead Locator. Packer and Guide.

MRS. H. EASTON. In prepared to wait upon old and new customers and friends with a full and complete stock of GROCERIES.

FRANK E. ALLEY, Architect Abstractor. Plans and Estimates for all Buildings. Special designs for Office Fixtures.

THE PACIFIC HOMESTEAD. The Greatest Farm Paper of the Northwest. Published weekly at Salem, Oregon.

AT THE PLAINDALE. erfert printing leases ractical eoep AT THE PLAINDALE Yoncalla Real Estate TIMBER AND LOAN BROKER.