

tity and kept indefinitely. The cooking is best done in an iron kettle equipped with a cover and so arranged that it can be readily removed from the fire. The mixture being inflammable, it is unsafe to do the cooking near a building.

2.—THE COMPLETE SOLUBLE OIL

Water.....	1 part
Emulsifier.....	8 parts
Crude petroleum.....	18 parts
Rosin oil.....	4 parts

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This part of the formula may be made up at any time without heat. The materials should be added separately and in the order named.

By securing the materials in large quantities the complete "soluble oil" may be made up for 16 to 18 cents a gallon. If diluted with 15 parts water, as is recommended, the spray mixture costs slightly over one cent a gallon. The lime-sulphur wash costs, including labor and fuel, at least one and one-half cents a gallon and the commercial soluble oils cost, depending upon the amount of dilution, from two and one-half to three and one-half cents a gallon.

DIRECTIONS FOR USE

After a thorough stirring, take one part of the "soluble oil" to 15 parts of water. Before mixing up large quantities, pour a few drops in a glass of water to see if it mixes. If it has been properly made the mixture will form a milky emulsion without any free oil on the surface. When satisfied that it will readily mix or "emulsify," a convenient way is to pour three gallons of the soluble oil into a 50 gallon spray barrel and fill the barrel with water.

Thoroughness of application is of utmost importance. Badly infested orchards should receive two applications, one in the fall and the other in the early spring. As a regular practice, however, one application, just after the leaves drop in the fall, should keep the insect in check.

Where the leaf curl is prevalent in peach orchards the oil spray in the fall may be supplemented by a spring application of lime and sulphur. A finer nozzle should be used for the oil than for the lime-sulphur wash. In this way more thorough and more economical work may be done. Because of its greater spreading action and of its adaptability to a finer nozzle, one gallon of oil emulsion will go as far as one and one-half gallons of the lime-sulphur wash.

Complete information is given in the bulletin regarding the source and cost of materials, the preparation of the "soluble oil," the necessary precautions and the time and method of application. The bulletin will be sent free upon request by addressing the Storrs Experiment Station, Storrs, Connecticut.

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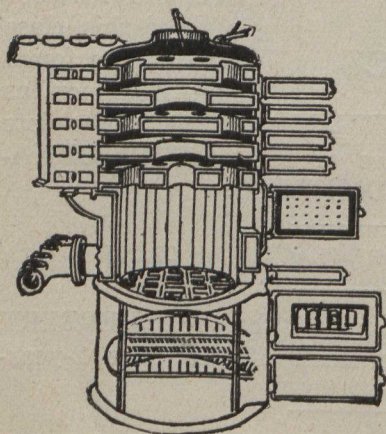


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Western Notes

By a Staff Representative

The west has many attractions and novelties for the horticulturist. In the fall, the north-shore route of the C.P.R. presents a cold and harsh appearance; the fields of Manitoba appear brown and dry. Like oases in a desert, from the horticulturist's standpoint, are the station grounds at Regina and Calgary. The beautiful flowers and green grass are refreshing to look upon. The landscape part of the work reflects credit upon the designers. They have made good use of the limited amount of space at their disposal.

Upon entering the Rocky Mountains, one does not expect to find such beauty spots as the station grounds at Field and Glacier. Geraniums, nasturtiums, coleus, stocks, snapdragon, and other equally tender plants were in full bloom early in November. Snow-clad mountains enclose each of these beauty spots, and to travellers, after many hours of riding through canyons and around mountains, their appearance is a sight never to be forgotten.

As the coast is approached, the traveller observes that British Columbia flower growers are more favored with mild climate than are those of Ontario. In Vancouver and New Westminster, sweet peas, dahlias, roses, stocks, and many other flowering plants were in full bloom in November. While at the home of Thos. R. Pearson in New Westminster, THE CANADIAN HORTICULTURIST's representative was presented with a large bunch of roses. They were equal to anything grown in Ontario at any season of the year. Dahlias were seen growing as large bushes. As many as 50 or 60 large blooms were counted on a bush at one time, each bloom a perfect flower, and lots of buds showing.

Another novelty is the hollies. These shrubs are now at their best, being loaded with large red berries. Rhododendrons and azaleas are perfectly hardy. Many beautiful specimens are to be seen on the lawns of the residents of the coast cities. Chrysanthemums were seen everywhere, many of them being in flower late in October.

Please send a sample copy of THE CANADIAN HORTICULTURIST. In the past I have been taking United States papers, but in the future I want home publications.—R.W., Newmarket, Ont.

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