

Remedies, as quoted elsewhere.

D. M. Jessee, of Walla Walla, Wash., who has been elected state fruit pest inspector by the Board of Horticulture, gives the following remedy which has proven by experience to be effectual in destroying all insects and fruit pests thus far known. This will hereafter be known as

"SOLUTION NO. 1."—USE WITH SPRAY PUMP.

For summer spraying: Take two gallons of water; put into this one pound sulphur, one pound concentrated lye; boil for two hours, then add one half gallon fish oil; boil until it makes a hard soap; add one half gallon kerosene oil, stir well and boil a few minutes. Add to this twenty-five gallons cold water. For winter spraying double all the ingredients for the amount of water used.

This solution, with a sprayer, will be effective in destroying the Aphis.

SOLUTION NO. 2.

Three pounds soap (whaleoil or good home-made soap), three lbs. sulphur, one can lye; boil one hour in four gallons water; add one gallon kerosene oil; boil slow twenty minutes, then add twenty-five gallons water; use with spray pump. Do not use copper kettle in preparing solution No. 1 and No. 2. but use kettle made of iron or some other metal.

SOLUTION NO. 3.

One pound of concentrated lye to five gallons of water; apply warm with spray pump; or six pounds of blue vitrol to twenty-five gallons of water.

SOLUTION NO. 4.—SAL SODA AND LYE.

This effectual remedy has been recommended by horticultural officials of other states, but some difficulty is found in keeping the right temperature while using it. "Two pounds of rosin; three pounds of sal soda, or one of concentrated lye; water to make thirty-six pints. Dissolve the sal soda or lye in a few pints of water. When thoroughly dissolved add the rosin. Heat until dissolved, and add water finally. Use one and one-half pints of the solution to the gallon of water. Use at a temperature of one hundred degrees Fahrenheit."

SOLUTION NO. 5.—WHALE OIL SOAP AND KEROSENE.

The following formula is from the Department of Agriculture, Washington: "Take two pounds of common or whale oil soap; one gallon water. Heat this solution and add it, boiling hot, to two gallons kerosene oil; churn