

Place the resin and sal soda in a kettle with three pints of cold water (soft or rain water). Boil or simmer slowly until thoroughly dissolved, when it will look black. The sal soda will adhere to the sides of the kettle and must be scraped down. When sufficiently boiled, the resin being completely dissolved, add enough hot water to make 50 gallons. After adding the water it will become thick, but after boiling again it becomes thin. The above is ready for immediate use and should be used lukewarm. If desired for future use, make as directed above, but add only five gallons of water and boil until thick. When required for use, dilute with boiling water as follows and stir thoroughly, when applying:—

For hop-louse	1	gallon compound to 9 gallons water.
For woolly aphs.....	1	" 7 "
For scale insects.....	1	" 6 "
For green aphs.....	1	" 9 "

The spray is not injurious to the tree, for after three or four days' sunshine it dissolves or breaks away from the surface.

No. 8.—*Hellebore Spray*.—For Pear and Cherry Slugs, Gooseberry and Currant Worms:—

Hellebore	1 ounce.
Water	1 gallon.

Steep the hellebore for an hour in one pint boiling water, then add the balance of water cold. To be used with spray pump.

NOTE.—Hellebore may be applied as a powder, dusted on the trees or plants treated. A machine known as Leggett's Powder Gun is a very efficient means for its use on a large scale. In all cases, care should be taken to obtain good fresh hellebore, to ensure the results aimed at.

No. 9.—*Paris Green Spray*.—For Codling Moth, Caterpillars, and other leaf-eating insects:—

Paris green	4 ounces.
Fresh slaked lime	1 lb.
Water	50 gallons.

Make a paste of the Paris green with a little water. Make the lime into milk of lime of water, mix both these together, and add water to 50 gallons altogether. Paris green is a heavy powder, and will not remain long in suspension, hence it must be kept constantly stirred when using. Be sure that good fresh lime is used to prevent the burning of foliage. Apply with spray pump.

Paris green can generally be used to advantage with Bordeaux mixture, making a combined fungicide and insecticide, in the proportions given above, viz.: 4 ozs. Paris green to 50 gallons Bordeaux mixture. Apply with spray pump.

No. 15.—*Lye and Soap Wash*.—For winter use only:—

1 lb. concentrated lye.
1 lb. whale-oil soap.
5 gallons water.

Dissolve the lye and soap in the water heated.