

To prepare the Bordeaux, empty four gallons of bluestone solution into the spray tank or barrel, which already should have 25 or 30 gallons of water in it; stir the milk of lime thoroughly and empty four gallons of it through the strainer into the spray barrel with constant stirring; then add water to make up to 40 gallons.

Any one of several arsenical compounds may be used along with the Bordeaux to form a combination insecticide and fungicide. The following are among the best:

- (a) *Paris Green*. Add four to six ounces to 40 gallons of Bordeaux.
- (b) *Arsenite of Soda*. Boil together for 15 minutes one pound white arsenic, four pounds sal soda, and two gallons water, until a clear solution is obtained. Add one to one and one-half quarts to 40 gallons of Bordeaux.
- (c) *Arsenite of Lime*. Boil together for 45 minutes one pound arsenic, two pounds fresh lime, and one gallon of water. Add one quart of this solution to 40 gallons of Bordeaux.
- (d) *Arsenate of Lead*. Put four ounces of arsenate of soda in two quarts of water in a wooden pail and eleven ounces acetate of lead in two quarts of water in another pail. When dissolved mix together and add to 40 gallons of Bordeaux.
- (3) *Never mix the concentrated stock solutions together*. If the milk of lime and bluestone are mixed in the concentrated form, just as they are taken from the stock solution, a precipitate of a flaky nature will soon settle out, and either fall to the bottom or clog the nozzle.
- (4) *Test the Bordeaux to find out whether sufficient milk of lime has been added*. This is most easily done by means of the ferrocyanide test. A saturated solution of this substance can be purchased at any druggists for a few cents. In testing, place some of the Bordeaux, which has been thoroughly stirred, into a saucer, and add a few drops of the ferrocyanide. If sufficient lime has been used, no discoloration will appear, but if insufficient, a deep dark brown color will be produced.
- (5) *Always strain the milk of lime to prevent gritty particles from clogging the nozzles*.
- (6) *Use a fine nozzle*; do not soak or drench the plants.
- (7) *The stock solutions will keep*, but the Bordeaux mixture becomes useless after standing for two or three days.

II. Resin-Bordeaux Mixture.

Pulverized resin	5 pounds.
Concentrated lye	1 pound.
Fish oil	1 pint.
Water	5 gallons.

Place the oil, resin and one gallon hot water in an iron kettle and heat till resin softens, add the lye and stir thoroughly; then add