

This mixture may be applied with a swab or brush, or with the spray pump, if used warm. One thorough application in the fall, and another before growth commences in the spring, should be made when used against woolly aphides. This is also an excellent wash to remove moss and lichen from trees and bushes, and if used for this purpose alone, half the amount of soap is sufficient.

FUNGICIDES.

No. 4.—*Bordeaux Mixture*.—The formula recommended by the Board of Horticulture for summer use is as follows:—

Sulphate of copper (bluestone)	4 lbs.
Fresh unslaked lime	4 "
Water (soft)	40 gallons.

Double strength for winter use:—

Sulphate of copper (bluestone)	8 to 10 lbs.
Fresh unslaked lime	8 lbs.
Water (soft)	40 gallons.

Bulletin 66 of the Washington Experiment Station recommends for apple tree anthracnose even of greater strength, viz.:—

Copper sulphate (bluestone)	12 lbs.
Quick-lime	8 "
Water	50 gallons=40 Imp. gal.

The ordinary double strength mixture, viz., 8, 8, 40, is, however, sufficient for general purposes.

For poisoned Bordeaux mixture add 4 ozs. Paris green to the above. Make the Paris green into a paste by adding a little warm water and then pour into the barrel and stir thoroughly. The quantities are easily remembered, being all fours, viz.:—

Sulphate copper	4 lbs.
Lime	4 "
Water	40 gallons.
Paris green	4 ounces.

The greatest care should be used in preparation of this mixture. If but a small quantity is to be used, prepare as follows:—Weigh out four pounds of fresh (never air-slaked) lime, add to it, gradually, warm water, a little at first, more as the slaking proceeds, being sure that at no time the lime lacks water enough, stirring all the while with a hoe. Continue adding water till a soft milk of lime is the result. Dissolve in a bucket or half barrel (never a metal vessel) four pounds of bluestone, using warm water to hasten solution. When this is completely dissolved, dilute both lime and bluestone with about 10 gallons of water. Strain the milk of lime into the spray tank through a rather close-meshed wire gauze, thus preventing any lumps, rocks, or fibers from going into the tank. Then, while one stirs the material in the tank with a hoe, another man gently adds the bluestone water, seeing that no lint or trash goes in by this means either. Then fill the tank