

When concentrated lime sulphur wash is used it should be diluted for use when there are no insects on the trees, to 1 gallon of the wash to 100 gallons of water, varying with the season of the year. For spraying against the lime-

sphering of the almond tree, use 100 lbs. of concentrated wash to 1000 gallons of water. Against the black scale of the almond tree use with the lime sulphur wash Arsenite of Lime, if it can be obtained.

Formulae

Bordeaux Mixture—For trees.

Copper sulphate (Heats) 100 lbs. or 45.45 kilograms (100 lbs.)

Hydrated lime 100 lbs. or 45.45 kilograms (100 lbs.)

Water (1 barrel) 250 gallons or 909 litres (400 litres)

Dissolve the copper sulphate by spreading it in a wooden or earthen vessel containing four or five or more barrels of water. Shake the lime in another vessel. If the lime, when slaked, is lumpy or clumpy, it should be strained through coarse sacking or fine muslin. If the copper sulphate is in a barrel, or it may be dissolved in this in the first place, half fill the barrel with water, dilute the slaked lime to half a barrel of water, and pour into the diluted copper sulphate solution, then stir thoroughly. It is then ready for use. (Never mix a concentrated milk of lime and copper solution.)

A stock solution of copper sulphate and milk of lime may be prepared and kept in separate covered barrels throughout the spraying season. The quantities of copper sulphate, lime and water should be carefully noted. Bordeaux mixtures deteriorate with age and should be used as soon as made.

To test Bordeaux mixture let a drop of ferrocyanide of potassium solution fall into the mixture when ready. If the mixture turns reddish-brown add more milk of lime until no change takes place.

Poisoned Bordeaux Mixture—For use on long-eating insects.—To the 10 gallons of Bordeaux mixture prepared as above, add 1 to 5 lbs. of Paris green, or 3 lbs. of arsenate of lead.