

PREPARATION OF BORDEAUX MIXTURE.

The following directions apply to the quantities of bluestone and lime already given:—

Dissolve the bluestone in 2 gallons of water; slake the lime slowly in another vessel, and make up to 2 gallons; then pour both solutions **simultaneously** into a third vessel. In using the mixture during the dormant season it should show a slight acid reaction—that is, when tested with litmus paper.

Bluestone is readily soluble when placed in a piece of sacking and al-

lowed to touch the surface of the water or suspended an inch or so below it, or by using hot water.

The efficiency of Bordeaux mixture depends upon the intimate blending of the two solutions obtained by pouring both of them simultaneously into a third vessel. It is imperative that the chemicals used be pure and the lime fresh. The best results are obtained when the application is made as soon as possible after blending the two solutions. If allowed to stand for more than eight hours the fungicidal properties of the mixture largely depreciate.

COMBINATION SPRAY.

Lead arsenate + lime-sulphur: Addition of hydrated lime to avoid spray burn to the foliage.

Dilute the required volume of lime-sulphur in four gallons of water; to the required quantity of lead arsenate add twice its weight of hydrated lime; mix with water to form a thin paste, and pour it into the container holding the diluted lime-sulphur, stirring the spray while this is being done. Apply as rapidly as possible after mixing.

Where to get local information on pest and disease control.—Any further advice required may be obtained from the Department's Orchard Instructor for the district. **Remember**, careful attention to simple instructions will enable the home gardener to avoid damage to his trees and obtain the satisfaction of gathering clean fruit.



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