

to bring the whole quantity up to 6 quarts. This can be kept in an ordinary two gallon stone jar which should be closely corked.

FORMULA.

Each quart will contain 2 ounces of the carbonate of copper, which when added to 25 gallons of water, will furnish a solution for spraying, of the same strength and character as that obtained, by the use of the dried carbonate, and one which can be prepared with little labor, and kept ready for use throughout the season.

CARBONATE OF COPPER IN SUSPENSION.

When the carbonate is to be used in suspension, instead of adding the ammonia to the sediment, add water until the whole quantity is made up to 6 quarts. Stir this thoroughly until the sediment is completely suspended (entirely mixed throughout) and pour the thick liquid into a suitable jar, when it will be ready for use.

Before using shake the contents thoroughly, so that all the sediment may be evenly distributed in the water. Pour out a quart of the thick fluid and mix with 25 gallons of water.

The cost of the chemicals will vary with the amount purchased. Copper Sulphate (blue vitriol) is usually retailed at from 10 to 12 cts. per pound, and Sal Soda (washing soda) at about 3 cts. per pound. The strong ammonia should be used which can be bought in half gallon jars at from 20 to 25 cents per pint.

WHEN TO SPRAY.

The importance of early treatment cannot be too strongly urged, as after the disease has gained foothold and is working within the tissues, remedies which can only be applied externally are of very little use. The first application should be made *before the blossoms open*; the second soon after they have fallen, the third and fourth following in periods of about ten days or two weeks apart. If the season is cool and wet, a fifth application will be necessary, but if moderately dry, four applications, if begun in good time, will in all probability be sufficiently effective.

HOW TO APPLY THE FUNGICIDE.

1. For orchard work use some form of a barrel pump.
2. Use nozzles which will distribute the liquid in a fine misty spray.