

compounds act upon tin and iron it is well to prepare such mixtures in earthen, wooden or brass vessels.

The Bordeaux mixture is rather dirty to work with, and inclined to clog the jet. Nevertheless it is about as effectual a fungicide as has yet been discovered. If used too long in the season it is apt to affect the appearance of the fruit. This can, however, be washed off with a dilute solution of vinegar.

Cost of the Mixtures. A fair idea of the cost of the various mixtures may be had upon an examination of the following price list of substances used in the different formulas:

Ammonia 25c. per lb.	Pyrethrum, 40c. per lb.
Copper carbonate, 60c. per lb.	Copper sulphate, 12c. per lb.
Paris green, 30c. "	Hellebore, 25c. "
London purple, 15c. "	Sodium carbonate 5c. "

REMEDIES FOR CERTAIN INJURIOUS FUNGI.

1. *Apple Spot.* (1) Spray with Bordeaux mixture No. 2, making first application in spring before the blossoms open. Spray again as soon as the fruit is well formed. Now add 3 oz. of Paris green to the barrel and make three applications at intervals of two weeks. These last applications will destroy insects as well as the spores of the "spot" fungus.

(2) Copper carbonate ammoniacal solution referred to and Eau Celeste are also good remedies. With these the first application should be made previous to blossoming, the second when the fruit is about the size of peas, and the third two or three weeks later.

2. *Brown Rot* of plum, cherry and peach. Use the Bordeaux mixture in the same way as for apple "spot." Burn all affected fruit and leaves in the fall. If "rot" should set in make one or two sprayings with copper carbonate solution.

3. *Pear Leaf Blight*, which appears on both leaves and fruit, giving the leaves a spotted appearance and causing the fruit to crack.

(1) Spray with ammoniacal solution of copper carbonate as soon as the leaves begin to open, and repeat two or three times at intervals of two weeks.

(2) Use Bordeaux mixture as for apple "spot."

4. *Strawberry Leaf Blight.* Spray during July and August, every two weeks, with the following solution: 4 oz. of copper carbonate and two quarts of ammonia in a barrel of water.

5. *Gooseberry Mildew.* Spray with 1 oz. of potassium sulphide in two gallons of water. Begin as soon as the leaves are opening, and repeat about every three weeks.

6. *Grape Black Rot.* Spray with ammoniacal solution of copper carbonate of Bordeaux mixture (No. 2 or 3) six times, every two weeks, commencing early in May. If the last two sprayings are with the copper carbonate the fruit will not be disfigured.

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