

ever, destroy the adults of all hothouse pests, and has no effect at all on the scale insects nor on the immature white fly.

For the more hardy plants the following dose has been used, though with a little injury to some of them. For each 1000 cubic feet enclosed:

0.50 ounce cyanide of potassium
0.60 fluid ounce sulphuric acid
1.50 fluid ounce water

Start at eight o'clock in the evening and leave until ten-thirty, then air out.

For more tender plants, and for use against the adult white fly and the wheat and lettuce aphid:

0.25 ounce cyanide of potassium
0.30 ounce commercial sulphuric acid
0.75 ounce water

Start at eight o'clock p. m. and leave all night.

FUNGICIDES.

Insects are sometimes less difficult to suppress than the more or less invisible plant parasites, causing the various blights, mildews, rots and scabs. As a rule, too, fungi must be fought with other remedies, and these are not yet in all cases as satisfactory as could be wished. Some of the insecticides serve also as fungicides, and where they do not the two can often be combined in one preparation which will serve for both. The lime-sulphur wash is one of the best of those which serve to check both insect and fungus pests. Bordeaux mixture is not so good an insecticide, though when used in midsummer on foliage it often prevents much of the injury from gnawing insects. By adding arsenate of lead to it we get one of the very best insecticide-fungicide sprays yet devised.

BLUESTONE OR COPPER SULFATE.

This is the active and most essential ingredient of Bordeaux mixture. Concentrated solutions of it cannot be used