

10-10-40 formula. The best results in controlling the fungus diseases that attack these fruits can only be attained by spraying twice, the first time in the autumn as soon as possible after the leaves have fallen, and the second in the spring when the buds have commenced to swell.

#### MEALY BUG.

Of late years this pest has been spreading considerably in apple-orchards in several localities. Consequently it becomes necessary to draw the attention of growers to the necessity for adopting such measures as may be required to keep it well under control. No doubt in many instances the fact of its existence in the orchard is unknown to the owner, and for this reason it seems desirable that all apple-orchards should be thoroughly sprayed during the dormant season with the red-oil emulsion diluted to the winter strength.

#### MUSSEL SCALE AND RED SPIDER.

Both these pests are much more in evidence than they should be, even in districts where spraying has been regularly carried out each season. It would almost appear as though either an inferior grade of oil has been used, the emulsion not properly made, or has been diluted to too great a degree. On account of the necessity for keeping mealy bug, mussel scale, and red spider well under control, so that fruit arriving at the markets may pass unchallenged, it would be as well for growers to carefully investigate the reasons for the more or less indifferent results that in many instances have followed the applications of spraying-compounds.

#### CHERRY-LEAF SCORCH.

As a precaution against attack by this destructive fungus, cherry-trees should be sprayed with the Bordeaux mixture, 10-10-40 formula, as soon as the leaves have fallen.

#### BROWN-ROT OF LEMON.

Growers may again be reminded that treatment for the prevention of attack by this fungus should be adopted before the end of June. The application, as previously suggested, of pulverized sulphate of iron at the rate of 1 lb. to 4 lb. per tree, according to the size and age of the trees, can be recommended with confidence. The sulphate of iron should be scattered over the surface of the soil beneath and around the trees, and lightly worked in. The crop should also be protected by spraying with the Bordeaux mixture, 4-5-50 formula.