

THE ROT.

The rot is a very serious disease, and it has been increasing for some years. I am now fighting it with Bordeaux mixture and sulphur, and I also pick off all rotten fruit, scalding them or burying them deep in the ground. I believe this is the best remedy, but I would like to have still another season's trial before finally deciding. My plan of operation has been as follows: Apply ammoniacal solution before the buds come out in leaf, then, after blossom, Bordeaux mixture two or three times, and throwing sulphur in the trees about the time of ripening. There are some who think plum rot is caused by a worm. To a certain extent this is true, as the plum is first stung by the curculio; the spores of the fungus being at hand, the rot attacks the spot, and by the time the rot has fully developed the worm has worked its way into the plum, and is taken as the cause of the rot. I would advise growers of plums to closely look after all rot, and pick every affected plum as fast as they can be found rotting, and in this way save the crop not only for that season, but make it better for the orchard in the succeeding year.

INSECT ENEMIES.

Of the insect enemies of the plum the curculio is the worst, and it appears to be always with us. My remedy is Paris green, 3 ounces to 40 gallons of water, sprayed on the trees just after the blossoms are all gone. Do not spray before that time, as it will then be of no use whatever. After the first application spray again at intervals of a week or ten days if no considerable amount of rain has fallen, but if heavy rain occurs spray oftener. I have sprayed as often as six times during the season with no harm resulting to the trees or foliage. When coming to the bottom of the barrel we have sometimes found that the solution was rather strong, and that some of the leaves have been scorched, but never sufficiently so as to damage the tree for future bearing. Be careful and weigh your Paris green. *Do not guess*, as some men, more especially employees, are inclined to do. Few men have an accurate idea of size or weight. In battling with the curculio Paris green has proved most effective with me, and far ahead of the old plan of jarring the tree. I have tried both methods, but for twelve years have not jarred, but used the arsenite. The canker-worm is another pest which is also killed by Paris green when spraying for the curculio, and many other injurious worms are also destroyed in the same way. The green aphid, however, is becoming very bad, as it is hard to get at, since its habit is to work on the under side of the leaf, which curls over and largely protects it. For this pest I use coal-oil emulsion, and