

# Basic Slag

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### TROUBLES OF THE GROWER

The new Provincial Entomologist, L. Caesar, B.S.A., of Guelph, dealt with "Common Insect Pests and Fungus Diseases." As a remedy for the Oyster Shell Bark Louse, Mr. Caesar advised the scraping of the trunks and efficient pruning of the top to ensure thorough spraying in the spring. Lime-sulphur (1-7) was recommended as a spray mixture, this spray, of course, to be applied when the tree is dormant. The apple aphid, Mr. Caesar described as one of the worst pests in the orchard due to its enormous powers of reproduction. Natural enemies usually hold them in check, but in cold, wet seasons they thrive. The speaker had found that the addition of one half a pound of "Aqua Forty" to a barrel of lime-sulphur spray mixture had proved efficient. It should be applied as soon as the aphids are discovered as once they get started reproducing it is difficult to check them.

The Plum Circulio and other pests may be got rid of by clearing away rubbish, cultivating moderately deep and spraying as for Codling Moth. With cherries and plums spray as the fruit is setting. In fighting the Codling Moth, Mr. Caesar laid special emphasis on the time of spraying, which is just after the petals have fallen and before the calyx has closed. The addition of two pounds of arsenate of lead to the lime-sulphur mixture (1-40) has been found efficient.

Apple Scab, which has been especially serious this season, starts to develop just as the blossoms open and makes rapid growth until the fruit is well set. After that the growth is slow. The second spraying with lime-sulphur just before the blossoms burst is the effective application. Another spraying should be given just after the blossoms fall. To be effective these sprayings must be very thorough. This last year there was a second attack of apple scab in August. An application of lime-sulphur about August 15th was found to check the disease.

Black Rot Canker, the disease that causes dead areas on large branches, is usually due to planting varieties too tender for the climate, and it may generally be prevented by selecting hardy varieties. If the orchard is already established, Mr. Caesar recommended cleaning the bark off the dead areas, washing with lime sulphur or blue-stone and then painting with white lead. On the smaller branches bark on dead areas might be removed with a hoe and covered with coal tar. Careful spraying and cultivation also tend to check the disease.

Inky Spot, another disease serious this season, may be checked by spraying with lime-sulphur the first of August. A spruce (Continued on page x.)

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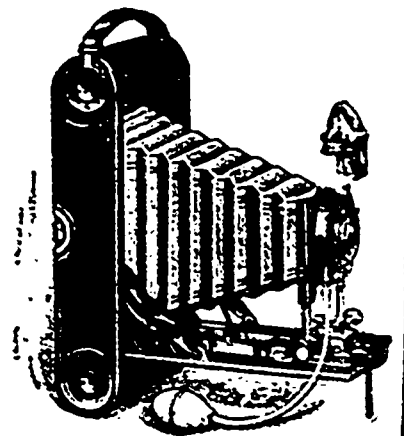
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