

it on the tree. About the first of April it did seem to have an effect on the oyster shell bark louse. It reduced them 50 per cent. I find it not entirely effective.

#### Caustic Potash Treatment.

J. S. Bishop: I tried caustic potash myself, very strong, with the result that it completely cleaned the tree, so that my neighbors were amazed. I have a large quantity of wood ashes and used the lye. The strength must have been twelve pounds of caustic potash to a cask of water.

Dr. Saunders: How many pounds of potash would there be in the barrel?

Mr. Bishop: Twelve pounds to the barrel.

Mr. Blair: What time did you spray?

Mr. Bishop: In April.

W. C. Archibald: I am familiar with the use of it. For eight years I have, with one exception, used caustic potash. Last year I used one pound to three gallons of water.

Dr. Saunders: What kind of potash do you use?

Mr. Archibald: The article of commerce made in Ontario.

Dr. Saunders: That is a crude potash obtained from wood ashes.

Mr. Archibald: ' think is it effectual in destroying all kinds of insects. I do not think we have much wood louse around Wolfville.

Col. Spurr: What do you mean by pretty strong?

Mr. Archibald: I think one pound to three gallons of water to the top or branches and I think one pound to two gallons to the trunk.

J. S. Bishop said he would advise persons to protect their hands with rubber gloves.

C. R. H. Starr thought that the best time to treat the bark louse would be about the time the insects were coming from under the old scale, which would be about April.

Dr. Saunders said it would be well for the operator to keep on the side of the tree from which the wind was blowing as if the mixture got in a person's eyes it would be irritating.

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### WEDNESDAY AFTERNOON SESSION.

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#### THE VALUE OF TILLAGE IN THE ORCHARD.

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J. Elliot Smith, Wolfville: "The topic before us is an important one. From a practical standpoint many of you know much more about this subject than I do. It is not therefore with a view of telling you something new that I have prepared this paper, but my object is more to excite discussion which may be of profit to all. In these times when there is such an abundance of everything that the land can pro-

duce, with competition so keen and prices so low, one prominent and constant aim with the orchardist, should be to secure the best quality possible of everything he undertakes to produce. There is always a demand for the best at a satisfactory price, and large solid apples with neither a scab or worm hole, will always bring a good price. We are living in a new age; new conditions and new dangers sur-