

Ammonia in Spraying Mixtures.

615. SIR,—I would like to ask some of our chemists what good is derived from the ammonia which is used in mixing ammoniacal carbonate of copper! Has it any fungicidal power?
JOHN HARKNESS, *Irena, Ont.*

Ammonia has no fungicidal power, and is quickly evaporated after being applied to the trees. The only object in using it is to dissolve the carbonate of copper in order that it may be easily mixed with the water. The use of ammoniacal carbonate of copper is, however, being superseded by the Bordeaux mixture in which the sulphate of copper is used, and ammonia is not necessary to make the solution.

An Evaporator.

616. SIR,—Would you kindly give me the name of some person to whom I could apply for the setting up of an evaporator which would be capable of evaporating 150 bushels of apples per day?
A. FUNNELL, *Trenton.*

We would refer our correspondent to Mr. R. J. Graham, of Belleville, who has had wide experience in handling evaporators. We know of no factory in Ontario where evaporators, such as our correspondent requires, are made. There are several American firms: The Trescott Manufacturing Co., Fairport, N. Y.; Tripp Bros., Sodus, N. Y.; and The American Manufacturing Co., Waynesboro', Pa.

Potash for Fruit Trees.

617. SIR,—Would it be advisable to apply potash to fruit trees, especially plums, before they come into bearing, or would the trees not be able to use it to advantage if applied before fruiting?
E. E. McNUTT, *Truro, N. S.*

Potash is useful to fruit trees at any stage of growth. It is one of the principle elements entering into the growth of the tree, and its effect upon the foliage and upon the general vigor of the orchard may be readily discerned. We have found it useful in applying it to pear trees in increasing their productiveness, as well as in increasing the size and excellence of the fruit. It is of more benefit on light soils than on heavy soils.

Salt as Manure.

618. SIR,—Is salt of any value as a fertilizer for fruit trees, and, if so, what quantity per tree?
A. SHERRINGTON, *Walkerton.*

Salt is sometimes useful, but is not itself a fertilizer. The beneficial effects sometimes apparent from its application to certain crops are due to the