Result:

	Per cent.
First quality	50
Second do	25
Third do	25

Row 3.—Treated with

Copper sulphate	1 lb.
Ammonia	1½ pts.
Water	22 gals.

This solution was too strong, injuring the leaves to such an extent as to cause half of them to drop within ten days from date of application. A second and weaker application had the same effect.

Row 4.—Treated with

Copper sulphate	1 lb.
Water	22 gals.

This had practically the same effect as the above, and was discontinued after a second application. It would seem with this result before us, that the ammonia did not increase the injurious effect of the copper sulphate.

Row 5.—Treated with

Hyposulphite of soda	1 lb.
Water	22 gals.

No beneficial effect was noted, though the experiments on this row were rendered useless by severe inroads of the leaf-crumpler.

Row 6.—Untreated.

	Per cent.
First quality	24
Second do	26
Third do	50

The time occupied in making each application, covering the 70 trees, was about 3½ hours with one man and boy and a horse. Of course, if the same mixture were used on the whole lot without any change, the time taken in making the application would be greatly reduced. As the cost of the application is much increased by the addition of ammonia in the copper carbonate mixture—while the results in the experiments cited above do not seem to warrant its use—it would appear that the copper carbonate and water mixture