

### What Nozzle?

**812.** SIR,—I intend purchasing an Ideal spray pump. What nozzle would you advise? We have between three and four hundred apple and pear trees, besides a few plum and cherry. Would a McGowan reach the top of good sized pear trees?

W. H., *Medina, Ont.*

The McGowan will give you excellent satisfaction. For high trees the nozzle should be elevated on a long light pole—a bamboo is excellent for the purpose. The pump should have fifteen feet of hose to allow the elevation of the nozzle.

### The Bordeaux Mixture.

**813.** SIR,—Is the Bordeaux mixture good to spray upon plum trees? Last year I sprayed nine with it, and thought they fell more than usual.

A. S. CROSBY, *Compton, Que.*

If properly made the Bordeaux mixture is perfectly safe upon the foliage of all trees and plants. It should have an excess of lime rather less than prescribed. Milk of lime should always be added to the dissolved copper sulphate until a drop of cyanide of potassium remains unchanged in color when dropped in the mixture. A few cents worth of this latter substance will last the season, and it is a convenience, because no weighing of substances is necessary. The usual formula now for the Bordeaux mixture is four lbs. copper sulphate, four lbs. lime, and forty gallons of water; the simplest method of making is first to dissolve say twelve lbs. copper sulphate in a barrel of water, and in another barrel as much lime as convenient. Then dip out one-third the liquid copper sulphate, which would be four pounds dissolved, into the spraying cask; then add milk of lime until the potassium ferrocyanide will not change color when dropped in the mixture.

### Commercial Varieties of Plums for Southern Ontario.

**814.** SIR,—I am wishing to set out 400 to 600 plum trees this spring, on Pelee Island, and will feel very much obliged to you to give me the names of six or eight varieties that will give me the earliest and also the latest, and the others to fill in the time, to give me a continuous supply to ship. The soil is rich clay loam, on a limestone base. I want large and showy ones—plums good to ship.

JAMES SPRIGLEY, *Pelee Island, Ont.*

*Reply by Mr. S. D. Willard, Geneva, N. Y.*

My list of plums for the section you refer to would be as follows:—Field, which is ten days earlier than Bradshaw, of same size and general appearance, being a seedling of the Bradshaw. Then Burbank, Black Diamond, Fellenburg, Grand Duke, Monarch, and Archduke. If I wanted yet another, I do not know but what I would take the Prince of Wales. Please note one fact, that the Grand Duke and Fellenburg are much the best when they are top-