

To apply this mixture to the foliage, undoubtedly the best and cheapest way is to use a proper spraying pump and nozzle, but if these are not on hand, good results which will well repay the trouble, may be obtained by applying the mixture with watering cans supplied with fine roses. There are several different kinds of spraying pumps in the market; perhaps the most convenient for this work is a force pump attached to a barrel on wheels, to be drawn through the field by a horse. Smaller machines, known as Knapsack Sprayers, consist of a reservoir containing a small force pump, which can be carried upon a man's back. Both of these kinds of pumps can be purchased for about \$10 to \$20, and are now for sale by most of our seedsmen. It will be necessary to spray the field two or three times to protect the crop thoroughly. There is no danger of injuring the foliage with the above mixture.

A great advantage of this mixture is that Paris Green, the only practical remedy for the Colorado Potato-beetle, can be applied at the same time. To do this, mix from a quarter to half a pound of Paris Green with a little water so as to make a thick paste, and then add it to the 45 gallons of Bordeaux mixture; that is, it is used in exactly the same strength as with plain water.

These mixtures must be kept constantly stirred while being used, as both the lime in the Bordeaux mixture and the Paris Green sink quickly to the bottom of any mixture if left undisturbed.

The time to apply.—The Bordeaux mixture is a preventive remedy, and the time to apply it in any locality is just before the blights treated of usually appear there, the object being to keep the plants, during the whole of the time they are liable to injury, covered with the fungicidal preparation.

The early blight in this part of Canada generally appears at the end of June or early in July. The late blight or potato-rot seldom shows itself until August. Therefore, spraying should be begun early in July and repeated every two weeks at least until the end of August.

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