

others falling to the ground are washed beneath the surface, and reaching the forming tubers produce the rot stage. The wet-rot, as seen in autumn in the tubers, is the form of this disease which is best known, but Potato-rot is really a dry-rot which kills the tubers, and in autumn the wet-rot follows as a result of decay. In winter the disease occurs in the tubers, as patches of hard, whitish, diseased tissue.

In this district the rust stage does not generally appear until about the first of August and this is the first evidence that blight is present in the field. As a rule the dark spots appear only on a few leaves at first, but if the weather be favourable the disease spreads rapidly from spores carried by the wind from these centres of infection, so that a large field may become diseased in a few days, and as a result the crop of potatoes be ruined.

REMEDY.

Careful experiments have shown that by spraying the potato tops five or six times at intervals of about two weeks, beginning early in July, for the early blight, and at the time the rust first appears, for the potato-rot, with the mixture of sulphate of copper and lime, known as the Bordeaux mixture, both of these injurious diseases can in a large measure be controlled.

BORDEAUX MIXTURE.

Copper sulphate	6 pounds.
Lime, fresh	4 "
Water	45 gallons.

To make Bordeaux mixture, take 6 pounds of copper sulphate (blue vitriol) and tie it up in a piece of thin cloth—an ordinary salt bag answers well—then suspend it from a stick laid across the top of a coal oil or other barrel half filled with clean water, so that the bag may be just beneath the surface of the water, when the copper sulphate will dissolve in an hour or two. In another vessel slake 4 pounds of fresh lime in sufficient water to make a thin whitewash. Strain this through a fine sieve or sack to remove all lumps. When the copper sulphate is all dissolved, pour the lime wash into the barrel slowly, stirring the mixture all the time. Now fill up the barrel to the top with water, and the mixture is ready for use.