

(2.) It corrodes metals, including tools, knives, etc., itself becoming weakened.

(3.) The solution becomes weaker with each lot of potatoes treated. It is generally recommended to discard it after four lots of potatoes have been immersed. As the strength of solution used is 4 oz. to 25 imperial gallons, this makes the treatment expensive. (The price of corrosive sublimate in wholesale quantities is about \$3 per lb.)

(4.) Treated potatoes cannot be used for human or stock food.

#### GENERAL RULES.

General rules for minimizing disease in the potato-crop:—

(1.) Do not grow potatoes too close together in the rotation.

(2.) Select seed, if possible, from a sound crop. In any case plant sound tubers only.

(3.) Disinfect to kill the germs of surface-borne diseases.

(4.) In moist climates spray with Bordeaux mixture, as required, during the growing season.

(5.) Sort potatoes carefully at digging-time, rejecting all injured or diseased ones for shipping or storing.

#### SEED-PLOT.

Where considerable areas of potatoes are grown, seed-disinfection with liquids becomes impracticable. In such a case disinfection with formaldehyde gas is necessary, which requires special provision. The best plan, however, is to set aside a plot large enough to grow the seed necessary for the main crop. The seed for this plot can be properly treated, and the crop, if carefully handled and stored to avoid infection, can then be planted without seed treatment at all.

This is the system which every potato-grower should adopt, as it is possible in this way not only to control disease better, but also to rogue out wrong varieties and unsatisfactory plants.

(For fuller details on the above diseases and the making of Bordeaux mixture, consult Bulletin No. 68.)

*Victoria, B.C., issued July, 1918.*

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This circular has been prepared by J. W. Eastham, B.Sc., Provincial Plant Pathologist, at the request of the Horticultural Branch.

Copies of this circular may be obtained free of charge on application to the Horticultural Branch, Department of Agriculture, Victoria, B.C., or from local branch offices of the Department.

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VICTORIA, B.C.:

Printed by WILLIAM H. CULLIN, Printer to the King's Most Excellent Majesty.  
1918.