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to lessen the evaporation of moisture by the formation of a soil mulch.

The practice of hilling potatoes is not so desirable here as in other places where drainage and easier digging and shallow planting are desired. Low hills rather than high ones will be found best under dry conditions on all soils except very shallow or very heavy or low lying soils. High hills will result in better protection from fall frosts, in better drainage of low lying soils, in easier digging, and a slightly earlier crop, but generally in a decreased yield under normal soil conditions in Saskatchewan.

Fortunately but few insects attack the potato crop in the newly settled districts. The potato beetle, or potato bug, is, however, found occasionally in some of the older localities. The application of Paris Green by spraying will be found to completely control this insect. One ounce of Paris Green to five gallons of water should be used. If half an ounce of lime is added the injurious effect of the arsenic on the foliage will be lessened.

The diseases most common to potatoes are the early blight, late blight and potato scab. The first two are the most serious, but fortunately neither of these is very prevalent yet in the province. Spraying with Bordeaux mixture after July 10 or 15 is the best remedy. For potato scab the formalin or corrosive sublimate treatment is best. These were referred to under treatment of the seed. Our alkaline soils encourage potato scab as do also our heavier types of land. Light loams and acid soils seem to produce less scab than heavier types and alkaline soils. There are many other diseases that affect potatoes, some of them are very serious. It is very desirable that potato growers take steps to inform themselves regarding the appearance of these diseases. Farmers' Circular No. 1, issued by the Dominion Department of Agriculture, entitled "Potato Diseases Transmitted by the use of Unsound Tubers," shows the appearance of the common diseases in natural colors. This circular can be secured free of charge from the Dominion Department at Ottawa. It should be in the hands of all potato growers.

Growing Potatoes for Early Market

A number of men near our larger towns and cities cater to the early market requirements for potatoes. The following practices have been found to result in earlier maturity than those ordinarily followed:

(1) The choice of an early variety. The Early Andee, Early Triumph, Six Weeks, and Early Ohio, are some of the early sorts. The last mentioned being considerably the most productive.

(2) Placing the tubers in shallow trays in a cool room in the sun from two to three weeks before planting in order to encourage the development of a few vigorous green sprouts. After the first few days the temperature of the room should be increased. These potatoes are then planted very carefully so as not to break off the sprouts. This practice will be found to result in a considerably earlier crop.

(3) Large sets, whether whole or cut, usually produce an earlier crop than small ones. The disadvantage in using large sets is in the added cost of the extra weight of seed used.

(4) Shallow planting early in the spring results in quicker growth and earlier maturity than deep planting.

(5) Warm soils, such as well drained sandy loams, produce earlier crops than heavier types of soil.

(6) Any practice that results in bringing the potatoes above ground early in the spring results also in exposing them to greater danger from frost. It is difficult to lessen this risk but it has been found that a thin loose covering of soil thrown over the small plants with an out throw cultivator or with the hoe or rake will protect them from quite severe frosts. This, of course, is not practicable over large areas but may be done on small areas in times when the temperature promises a big drop.

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7 " 48 in. " 22 in. "	47¢ "
9 " 52 in. " 22 in. "	57¢ "

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8 " 48 in. " 16 in. "	40¢ "
10 " 54 in. " 16 in. "	48¢ "

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7 " 26 in. " 8 in. "	39¢ "
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