

intervene, it will be found necessary, in order to maintain this condition, to irrigate about every ten days. After each irrigation, as soon as the surface of the soil dries sufficiently, it should be given a shallow cultivation. If, for any reason, after irrigation has once begun, the land is allowed to become relatively dry, the potatoes should not again be irrigated, for, if they are, a second growth is almost certain to be induced, and this will injure the quality, for the main cause of soggy potatoes being produced when grown under irrigation is from allowing the land to become somewhat dry so that the growth is checked and then applying and inducing a fresh growth of roots and tops.

#### COST OF GROWING POTATOES.

The cost of growing potatoes varies in different parts of Canada. Labour is more expensive in some provinces than in others. In certain parts of Canada there are no Colorado potato beetles to contend with and rarely any serious injury from late blight, making spraying not so important a part of the operations. In 1915 the cost of growing potatoes was recorded at several of the Experimental Farms and Stations and the details were published in the annual report for 1916 and will be found in the complete edition of this bulletin which will be sent to anyone who desires it. The cost of growing and marketing a 300-bushel per acre crop in the province of Ontario was estimated at \$80.58 per acre, to which should be added \$60 for the year 1917 on account of the high cost of seed.

#### VARIETIES RECOMMENDED.

##### *Experimental Farm, Ottawa, Ontario.*

Varieties recommended.—Early: Irish Cobbler (Eureka Extra Early) and Early Ohio for market gardeners where extreme earliness is desired. Main crop: Green Mountain, (including Gold Coin, Carman No. 1, and Wee MacGregor, which are very similar to it), and Empire State.

##### *Experimental Station, Charlottetown, P.E.I.*

Varieties recommended.—Early: Early Rose, Irish Cobbler. Main crop: Green Mountain, Table Talk, McIntyre. For Bermuda trade: Garnet Chili, and Bliss Triumph.

##### *Experimental Farm, Nappan, N.S.*

Varieties recommended.—Early: Irish Cobbler Vick Extra Early. Main crop: Green Mountain, Wee MacGregor, Rawlings Kidney, Carman No. 1.

##### *Experimental Station, Kentville, N.S.*

Varieties recommended.—Early: Irish Cobbler. Main crop: Green Mountain, Delaware.

##### *Experimental Station, Fredericton, N.B.*

Varieties recommended.—Early: Irish Cobbler. Main crop: Green Mountain.

##### *Experimental Station, Ste. Anne de la Pocatière, Que.*

Varieties recommended.—Early: Irish Cobbler, Vick Extra Early. Main crop: Green Mountain.

##### *Experimental Station, Cap Rouge, Que.*

Varieties recommended.—Early: Irish Cobbler. Main crop: Table Talk, Carman No. 3, Gold Coin, Davies Warrior.