

the tree in the meantime is moved up and down gently, this motion imbeds the roots. I then water and fill in more earth, pressing down firmly to exclude all the air. The surface finish is left loose to prevent evaporation. Trees so treated are given every encouragement so live.

The top is cut down sufficiently to keep a balance between the roots and the trunk.

Branches trained to grow recumbent afford protection to the body. In our climate also it is necessary to check early budding. This is done by beating down the snow around the roots; upon this mulch heavily and beat down to solidify the mass and prevent mice gnawing the bark.

INSECTS.

The canker worm, so far, is the only pest that has attacked my trees. Three sprayings are necessary, using Paris green in proportion of one pound to 200 gallons of water, mixing in either flour or lime to counteract the caustic effect of the mineral, and also to make the poison adhere to the leaves. Spray first when the buds appear, then when the bloom is well developed and again when the fruit is as large as marbles. The mixture must be kept in motion, as the Paris green is insoluble. This treatment will destroy all insects. Apple culture is worthy of every effort. It is monarch in the realm of domestic economy. It enters largely into our mercantile interests, as for instance:

In 1896 the U.S. alone raised 70,000,000 barrels.

In 1897 " " 40,000,000 "

In 1898 " " 27,000,000 "

The falling off in 1898 was owing to the damage by excessive rainfall washing away the pollen.

The existence of this Association is an earnest that apple culture will be a live interest in the Province of Manitoba.