

4. Kerosene emulsion, pure, endangers the life of a peach tree, and diluted with one part of water is not thoroughly effective.

5. The Resin wash, to be effective, must be six times the summer strength, and its preparation then becomes cumbersome and expensive.

6. The Whale-oil soap wash, 2 lbs. to the gallon, is absolutely effective against all the Scales. Two thorough drenchings, one after the foliage has dropped in the fall, the other just before the blooming period, are enough. This wash is thin enough when cool to be sprayed through the ordinary nozzle.

The evidence gathered everywhere is all in favor of this whale-oil soap wash. Of course where trees are very badly infested—which one hopes may never be the case in Canada—it would be advisable to cut out and burn the infested portions at once.

As to this vile addition to our too numerous pests, it is an excellent thing to be alarmed in time. Forewarned is forearmed.

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Fruit Growing in Manitoba.

SIR,—The following are a few brief notes and observations on the fruit harvest here during the past summer:

Apples.—Nine different varieties bloomed, six of these for the first time, but five only carried fruit to maturity, namely, Lieby, Anisette, Wealthy, Whitney and Blushed Calville. The latter is from Prof. Budd, of Iowa Agricultural College, six years planted. The fruit was larger, one specimen measuring ten and a half inches in circumference, but there was no blush; fruit dead ripe when picked on 15th September. Lieby, medium size, flattish, highly colored; ripe 26th Sept. Anisette, medium size, somewhat pointed, dull green in color; ripe 25th September. Wealthy, large, highly colored; ripe 30th Sept. Whitney, ripe 30th September.

Crab Apples.—These were an extra heavy crop, the limbs of Transcendent and Montreal Beauty having to be propped up with sticks to prevent them from breaking down. General Grant, Virginia and Sweet Russet bore this year for the first time. The first mentioned variety was poor, but the last two were extra large, and fine in quality. All parties having crab apple trees in this locality had fine crops. One grower sold eight barrels. A good market is found in Morden for all we have to sell. The fruit is superior to that which comes from Ontario. I know this will sound rather strange, but it is nevertheless true.

Plums—The early ones were a failure. Cheney matured a full crop of "plum pockets," and the same may be said of Wyant, Chip-pawa and Rockford, although not to the same

extent as the first named. Luedloff's Long Red and Newton Egg were loaded almost to the breaking down with plums of very fair quality. The trees were almost entirely free from "plum pockets." Bicksley, a new variety, gave a few specimens this year for the first time, of very fine quality. The Weaver spurs are growing finely.

Cherries.—Bessarabian, planted in the spring of 1893, matured a few specimens of very fine cherries, for the first time. One of Budd's Seedlings (No. 475), planted 1892, carried a number of fine large, bright red cherries to maturity. Shubianca also carried some fruit, but the quality did not impress me very favorably.

Grapes.—Moore's Early carried over one hundred bunches. One-third of these ripened fairly well. I tried girdling the limb by taking out a ring of bark from the bearing canes early in August, and found that it hastened ripening eight to ten days. One of the three Gibb grapes, planted in 1894, died the first year; the remaining two have grown well. I expect some specimen bunches next summer. Bacchus and Virgennes, planted 1895, are alive and made fine growth last summer.

Small Fruits.—*Black Cap Raspberries* bore an extra heavy crop. Older came into full bearing last summer. The crop was something grand. I am advising the planting of this sort here. The canes are easier managed, being of a more sprawling habit than the old varieties, which counts for a good deal in a prairie country where winter protection is essential to success. Fruit, rather soft, a poor shipper. The red raspberries bore a full crop. Kenyon, a good deal more than the others. I never saw red raspberry bushes carry so much fruit. Of the six Sarah raspberry bushes, planted spring 1895, five lived and have done well. I will have enough young plants this spring to plant a row 150 feet long.

No protection is given to any variety of red raspberries. Gooseberries were an entire failure with me. Currants an average crop. Strawberries, where not drowned out, were a good crop. I have been growing the Snider blackberry for years, but the fruit fails to ripen sufficiently early enough to escape injury by frost. Windom Dewberry vines were the most heavily laden with fruit on the farm the past season. I have only a few plants, but their bearing the past two years encourages me to enlarge my patch.

The rabbits have done a great deal of damage to me this year. About 600 have been already killed around the garden, but they appear to be as thick as ever. I have tried various washes, but with poor results. Gunny sack wrapped around the trees is the only reliable protection.

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