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#### Orchard and Garden Notes

Watch the hotbeds closely.
Ventilate hotbeds on the side away from the wind if possible.
Manure may be spread on the garden and plowed in next spring.
Be sure the manure is heating evenly before it is put in the frame. Brothed manure does not heat rediffer on a few buckets of hot water,

Bank hotbeds with manure that is not heating. Dry manure will not be so likely to freeze and take heat from

so likely to freeze and take heat from the frame.

When pruning have a reason for every cut made and cut close to the limb or trunk. Leaven no stubs. Pruning may be done late in March. Cover all wounds over one-half inch in diameter with white lead

or grafting wax.

Inspect all garden tools, sharpen and put them into the best condition. Perhaps there are some new ones that should be purchased. Now is a good time. Look them up.

time. Look them up.
Grafting wax is made by melting
together four pounds of resin, two
pounds of beeswax, and one pound of
unsalled tallow. Heat this about 15
or 20 minutes, then throw into cold
water and pull in the same manner as molasses candy.

#### Our Apples in South Africa W. J. Egan, Trade Commissioner.

Cape Town Opinion among the various dealers varies in reference to Canadian apples received in South Africa this year. Durban dealers report grading and packing of Nova Scotia fruit to be all right in every particular. They complain, however, that Nova Scotian Kings and Wagners on the whole were a great disappointment, as they were a great disappointment, as they were poor in color and in keeping qualities. The Ontario fruit, such as Ben Davis. Kings, Russets, and Spies left no-thing to be desired.

Port Elizabeth dealers were well Port Elizabeth dealers were well satisfied with consignments to them, but state that they did not receive all they had arranged for, one large dealer claiming that although he booked space early last May, he failed to secure accommodation for his second shipment.

A SPLENDID MARKET The apples which arrived in Cape The apples which arrived in Cape Town were, with the exception of one lot of Golden Russets on the s.s. Benguela, in very good condition, but were not graded in all cases as they should be for export. The difference in grading of the apples received in Cape Town and other ports must be attributed to the fact that almost all attributed to the fact that almost all the apples shipped to this port are purchased by local dealers, who visit Canada annually, while the fruit to other ports is consigned by Canadian producers or dealers. The South African market during

October, November, and December is a splendid one for good Canadian apples, and will command high a splendid one for good Canadian apples, and will command high prices. This office invites early correspondence this year with the view of consignments for next year and advise the securing of space in cold storage chambers early in the season.

"The San Jose and Ovster Shell Scales" is the subject of Bulletin 219 from the Ontario Department of Agri-culture. Mr. L. Cassar, the author of the bulletin, is Provincial Entomolo-

gist, and is in a better position to deal with this subject than any other man in Ontario. The wide distribu-tion of the San Jose Scale through the Lake Eric counties makes the bulletin a timely one. It can be se-cured on application to the Department of Agriculture at Toronto.

# Fertilizer for Fruit

F. V. Thompson, German Polash Syndicate, Toronto Unfortunately we have not received

a number of results of the fruit ex-periments conducted during the last season. I will quote a few results that have come to hand.

Mr. W. H. Gibson, of Newcastle, Ont., obtained the following results on Baldwin apples: Unfertilized plot, on Baldwin apples: Unfertilized plot, 337½ bus.; porocited fertilizer plot, 437½ bus.; plot without potash 336, 50 bus.; plot without potash 336, 50 bus.; plot without plot 332½ bus.; plot without nitrogen 332½ bus. This was the second year of this experiment, which will be conducted over a number of years with several others to give reliable data regarding Ontario orchards. Apples from the complete fertilizer plot were taken in 1912 by the Dominion Government for exhibition purposes.

ernment for exhibition purposes.

Mr. Stratton, Port Hope, Ont., obtained the following results on his strawberries: Plot 1, unfertilized, 2,030 boxes; plot 2, complete fertilizer, 3,040 boxes; plot 3, without rusafs, 2,806 boxes; and plot 5, without nitrogen, 2,600 boxes. While this oxperiment fully shows the value of 2 complete fertilizer, it also shows that nitrogen was deficient in the soil we not the soil was defined in the soil nitrogen was deficient in the soil as the lowest yield of the fertilized plots was from that from which nitrogen was omitted.

The following results were obtained by A. E. Gale, Keatings, B.C., on by A. E. Gale, Keatings, B.C., on strawberries, which were only set out in April last year. Owing to bad weather and lack of help the blossoms-were not picked and each plot was allowed to bear what fruit it would with the following results: Plot 1, 444 lbs.; plot 2, complete fertilizer, 1,344 pounds; and the plot without potash, 900 lbs.

An experiment on gooseberries conducted under the supervision of the District Representative at Simcoe re-District Representative at Simcoe re-sulted in the following yields: Un-fertilized plot, 11,360 lbs. an acre; complete fertilizer plot, 15,872 lbs. an acre. This shows a gain of 4,012 lbs. an acre in favor of the fertilizer, which you will readily admit is a substantial profit on the investment.

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April 2,

Care of I Bessie M. M.

Before takir brooder room prepare small green plot ab sprinkle the with coal oil sand. The co twice a week a every week.
I dust the

powder before coops and the After the cl old I take the

put them in co ing been first washed with li



English V Orpingtons, Whit what akin to the the Plymouth R in appearance.

cleaned out twic supplied with fr I start to kil they are two m them and they shape for killing keeping poultry roundings clean

Egg Circ

The Live Stock minion Departme all winter been proceed ampaign looking of circles for the ing of eggs. M Mr. Stuart, who cently, dropped i office for a chat, us something of movement. The work this winter organization in C in Lanark, two Victoria, three Victoria, three Leeds, and three Eastern township vince four circles ized and in Pe

"These circles, have all been the instrumentalit Branch. A gre circles have been