

were to plant four rows lengthwise, one along each border, and two rows in the interior, the rows would of course be about sixteen feet apart, a little close but possibly allowable if the trees in the rows were 20 feet apart. Planted this way, twenty-four trees could be planted in the space under consideration, or eight trees of each kind of fruit. If dwarf pear trees were used, they could be planted about twelve feet apart. Grape vines are usually planted from eight to ten feet apart in a row, with a wire trellis, or they could be made to climb upon a fence or woodshed.

Apples for Export.

1204. SIR.—I have fifty trees of Russet apples which are not doing well on my land, heavy clay, and I wish to top graft them. Will you please say what sorts you would recommend for export, and what is your opinion of the York Imperial.

R. McINTOSH, Newcastle.

The York Imperial is highly valued as an export variety, where it succeeds, but we know of no one who has tested it in Canada. The varieties most valued with us for export are—Summer: Duchess, Astracan and Alexander. Fall: Blenheim, Gravenstein. Winter: Cranberry, Spy, King, Ontario, Baldwin and Ben Davis.

Kieffer Stock for Top Grafting.

1205. SIR.—I note in your issue of January 1900, page 21, an address from Mr. G. T. Powell, of New York State, on top grafting. He says Kieffer is good stock for "Anjou" and "Bosc," and he is apparently speaking from experience. Four years ago I grafted five Duchess d'Angouleme on good healthy Kieffer stocks, and one Duchess on seedling stock. The union was perfect and the growth healthy and luxuriant, but the following year one of the Kieffers died, root and branch. The other trees have kept up good healthy rapid growth in the tops, but the trunks are gone with dry rot. The Duchess on seedling stock is all right. This is my experience with Kieffer stock for top grafting. Have seen Kieffer recommended as the best of stock for grafting in a good many article in the periodicals. Would like to hear from others on the subject, and would feel obliged for an expression from yourself.

W. B. STEPHENS, Owen Sound.

The writer has an orchard of bearing Kieffer pear trees, the fruit of which is evi-

dently to be very soon in disfavor in all markets on account of its poor quality. He is therefore determined either to root out the orchard or top graft with some other variety. A year ago the writer begun by setting scions of Anjou and Bosc, as directed by Mr. Powell, and hopes soon to be able to speak from experience upon the suitability of this stock. In the meantime we would be glad to have others relate their experience.

Pears on Apple Stock.

1206. SIR.—I find it necessary to either remove some Northern Spy trees or graft them to other fruit of less luxuriant growth. Can I top-graft with Keiffer pears on Northern Spy, and would the Bosc succeed if grafted on apple stock?

Yours, etc.,

MEAFORD.

We have tried apples on pear stock but not pears on apple stock. The union was good, and has remained healthy for the past twelve or fifteen years, but the scion never was very vigorous nor very fruitful. We do not think Keiffer would succeed at all on Spy, and is not of any value even if it did; Bosc would be more likely to do well, but some variety of apple would succeed better.

Hybrid Plums.

1207. SIR.—I am thinking of doing a little experimenting on a small farm I own, by planting out a number of stones of hybrid plums, in the hope that in this way possibly some really good ones may be obtained, hardier than most of the Europeans. I wish to obtain as many of these stones as possible, but do not know where to get them. Can you help me by putting me in communication with persons who grow such plums? I refer particularly to such as America, Climax, Gold or Golden, Gonzales, Juicy, Apple, Wickson, etc. I know I am late for this year (unless some can be found under the trees), but I wish to make arrangements for next year. I will gladly pay for the seeds. M.

Would any of our readers who have pits of these plums on hand, or who expect to have them next season, please write to M., care of CANADIAN HORTICULTURIST, Grimsby.

Sutton Beauty Apple.

1208. SIR.—The apple called Sutton Beauty is highly spoken of by name as a valuable sort. Do you think it safe to plant largely for growing fruit for winter shipment to Europe, in a district where