

which can be grown in the orchards of Southern Ontario. The quantity to be sown per acre depends somewhat upon the requirements of the crop. A light cover crop can be obtained from sowing one-half bushel of seed per acre. A much better and thicker matting can be formed by sowing one bushel per acre. For the production of fodder it is customary to sow one and one-half bushels per acre, which amount usually produces a large amount of fodder of excellent quality. It will ripen its seed in Ontario, but does not produce very large yields. The highest yield which we have obtained has been seven bushels of seed per acre.

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#### TREE PROTECTORS.

SIR,—I want a little information through the columns of the Horticulturist. I notice two different advertisements for the tree protector advertised in the Canadian Horticulturist. One is the Expansive Tree Protector Co. of Ontario and the other is the Tree Preservation Co. Will you please tell me which is the best, or is any of them any good, or has any leading fruit grower given them a thorough test, and would I need to spray my fruit trees as well; will the Aphis or any other insect get above the protector? I would like to get particulars from some experienced man.

Bruce's Landing, B. C.

J. B. BRUCE.

Answered by Prof. Lochhead, O. A. C., Guelph.

In replying to Mr. Bruce's inquiry regarding the merits of the two tree protectors which are advertised in the Canadian Horticulturist, I shall deal with the questions in order. First, I cannot state which is the better protector of the two, for I have not had sufficient experience with them. Second, that neither of them are useless, and both possess some good features. Third, many fruit growers have given them a thorough test, and some of them recommend them, but many others prefer the burlap. Fourth, these tree protectors will not take the place of spraying. Fruit trees must be sprayed at certain intervals for the prevention of fungus diseases and insects of many

kinds, only some of which can be entrapped by the tree protectors. The protectors will not keep away fungi, and applications of Bordeaux are necessary for their control. With regard to the Expansive Tree Protectors, I may quote from an article which I prepared for the annual report of the Entomological Society for 1902. "Recently another device for entrapping codling worms has been put on the market. It is known as the Expansive Tree Protector. It consists essentially of an expansive metallic collar, coated on its underside with a sticky substance, and a cloth band saturated with a poisonous liquid placed between the collar and the trunk of the tree. Although not in a position personally to test the device this year, I had an opportunity of inspecting many of them in different orchards. In nearly every case they failed to give satisfaction, and in some instances were positively harmful. In the first place they are difficult to fit to the trunk of the tree; secondly, the sticky substance did not hold the caterpillars, and other forms of insect life, or prevent them from crawling over it; thirdly, the poisonous band did not kill the insects which crawled beneath the collar; and fourthly, the bark of the tree immediately beneath the band was frequently seriously injured. In my humble opinion, decided improvements in the construction of this device must be made before it becomes effective."

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#### VEGETABLE GARDEN.

SIR,—I have been reading your journal (the Canadian Horticulturist) for two or three years and always enjoy it very much. I have noticed the "Question Drawer" and desire to ask a question or two. My father has given me a large plot of ground and I thought if I could make a vegetable garden I might make some pocket money. What vegetable would be the most remunerative; also, is there any market where I could sell sweet peas and field daisies? I hope you will be able to find time to reply soon and that this isn't too much of an imposition on your valuable time.

Orangeville.

FLORENCE ENDACOTT.