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have from $\frac{1}{8}$ to $\frac{1}{4}$ more real flesh-forming food-value than other feeds. This has been proved by actual tests on the Livingston Farm. From the very first they fatten the cattle and better the milk.

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Neither too soft (which means waste), nor too hard (which hinders digestion)—the animal gets the full strength of each particle. Suppose you try them at once—they both

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the right amount and form will feed the crop from seed to harvest. It is not a question of being available at the start, or available at the finish, but being available all the way through.

The A. A. C. Fertilizers are made that way, timed to be available at each stage of the growing season.

We have a number of factories, all located at convenient points, and wherever you live, we can reach you with the right fertilizers, the right service, and the right price. Write today for copy of "Plant Food," a practical hand book on fertility. No advertising in it; sent without cost, while this edition lasts.

Agents wanted in unoccupied territory. Liberal terms and goods that sell. It pays to sell our fertilizers as well as use them. Ask for agency proposition.

The American Agricultural Chemical Co.

Makers of brands with fifty years of quality and results behind them.

70 Lyman St., Buffalo, N. Y.
P. O. Box 814-F Detroit, Mich.

Pointers on Nursery Stock

Prof. J. W. Crow, O. A. C., Guelph, Ont.

I always prefer low headed tree. I don't see what use a tree has for more than 12 inches of trunk or 18 inches at the most. It is difficult to get this kind of tree from the nursery. The only way that we can get it is to buy a one-year-old, unbranched tree and grow the head to suit ourselves. Nursery men object to selling us these one-year-old trees, but there is a growing demand for them.

If nursery men would head all trees low it would be well, then those who want high headed trees could cut off the lower branches. Nursery men will here again tell us that there is no demand for this kind of tree, but if they would use their influence to make low headed trees more popular, there soon would be a demand.

Oyster Shell Scale in N. S.

A. Kelsall, Willmot, N. S.

A large percentage of the orchards in the Annapolis Valley are infested with bark louse. This is particularly true of the older orchards, probably on account of the greater protection offered the lice by the more rugged bark. How to effectively exterminate them is an important problem.

It has been proved in various parts of the United States, and also in localities having a comparatively mild climate, that a strong solution of lime-sulphur applied in the dormant season will destroy the bark lice. Acting on the assumption that what is a fact elsewhere will be a fact here, several orchardists sprayed with lime-sulphur early last spring, and were surprised late in the season to find that the bark louse had not been killed. It is supposed that the bark louse in Nova Scotia has a considerably tougher shell than it has in localities having a milder winter, and consequently the lime-sulphur is not capable of penetrating that shell and reaching the insect itself. The orchardist in Nova Scotia has to find some other method for attacking the louse.

WHITEWASH EFFECTIVE

In young trees where the lice are confined to the trunk, whitewash can be applied with a brush during the early spring with effective results. It is better to make more than one application in order to do the job thoroughly. The scales peel off in a very short period after this and the trunk is effectively cleaned. It may be possible to apply whitewash with the ordinary sprayer pump to both young and old trees, though it is doubtful if the usual nozzles will admit of the whitewash being made thick enough.

The most effective way of exterminating the louse is by means of kerosene emulsion. The young lice generally hatch about the beginning of June, and are at that time unprotected. They can be then as small white spots with the naked eye, and as there is but one brood during the year the exact time to spray with kerosene emulsion is easily ascertained. In view of the doubts which exist regarding lime-sulphur as a scalecide in Nova Scotia, June spraying with kerosene emulsion should take its place in the attack against the bark louse. If the aphid is present the emulsion will destroy them also.

I have had excellent results from two sprayings with lime-sulphur, one with the strong solution, when the trees are dormant, the other dilute, when the blossoms have fallen. I obtained 90 per cent perfect fruit, when other years the apples were largely unmarketable.—L. Wolverton, Lincoln Co., Ont.

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I will this spring deliver, prepaid, to any express office in Ont. or Que., a crate of Potato Sets (any of above varieties), all ready for planting, about 25 lbs. net for \$1.00. Cash with order.

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