

seeds to bona fide growers of them. The subventions will be paid under the directions of experts employed by the federal and provincial experimental stations.

Last year Canada imported 1,285,198 pounds of root and mangold seed, principally from Germany and France. Half the carrot seed used came from France, and cabbage, cauliflower, celery, parsnips, garden roots, radish and like crops are mainly from European seeds. Florists' stocks have been obtained principally from Germany, and these offer the most serious difficulties at present.

The subvention now offered to Canadian growers will offset European cheap labor in reseedling seeds and will help in the production in Canada of a sufficient supply to meet the needs of the next two years. The subventions offered include the following: For mangold or sugar beet seed, 3 cents per pound up to a maximum of 10,000 pounds; for turnips or swedes, 4 cents per pound up to a maximum of 5,000 pounds; for carrot seed, 7 cents per pound up to a maximum of 73,000 pounds; for parsnip seed, 7 cents per pound up to a maximum of 500 pounds; for cabbage seed, 25 cents per pound up to a maximum of 400 pounds; for onion seed, 25 cents per pound up to a maximum of 2,000 pounds; for cucumber seed, 20 cents per pound up to a maximum of 100 pounds.

MAKING THE BOY A FARMER

The farm is the ideal place on which to teach your boy business methods. It is the one spot where a little capital will bring sure and reasonably quick returns. Give him a pig or a calf or a hen and her brood of chicks and let him understand that the gift is his own—that there are no strings tied to it. What he makes from it is his, what he loses is his loss.

Give him a piece of ground and help him to plan the crops. He may suggest some funny things at first, but be patient with him. Just remember the very many foolish mistakes you made when you began farming and that you have made many times since, successful farmer that you are.

Study with him, take him to farmers' meetings and seed grain contests and promise him a course at an agricultural college later on. There is so much for both of you to learn that you will be astonished at the things you do not know.

As the years go by, and he has developed as he should, you will find yourself considering giving him the choicest quarter section you own, or perhaps may conclude to give him the control of the whole farm while you take it easy.

Of course, it is possible that he may not be a natural farmer, and have dreams of a business or artistic career. What of it? Start him just the same, and when the time comes that you cannot hold him on the blessed old farm any longer, let him go and bid him Godspeed. He will be all the better for his home training, for the years spent outdoors with hill and wood and valley, and he will have a capital of his own earning to carry him thru, whatever career may be his choice.

And just as the boy should have this opportunity, just so should the girl have the same chance. The time is coming when she, too, will need capital, and if she has earned it herself she will value it doubly. Let her have chickens, stock and garden and trust her for the rest.

WHITE GRUBS NEXT YEAR

Many farmers know what the June Bug is, or as it is called by some, the May Beetle. These have been extremely abundant the past spring not only in the Northern United States, but in many parts of Canada. This fact will indicate a great abundance of white grubs in 1915, and these will likely do as much, if not more, injury than they did in 1912 when farmers remember their great prevalence in the soil. The white grub is the second stage of life of the May Beetle and works great havoc by cutting the roots of growing plants. To insure against a repetition of the past damage, it will be well for the farmers to specially cultivate their fields this fall. Owing to the fact that the grubs go down into the ground on the approach of cold weather, fields ought to be thoroughly plowed in October, where possible hogs and poultry should be turned to run on the plowed ground. They will destroy a great number of them. A thorough disking should follow the plowing. In the spring he should cultivate well also and in Ontario it has been found beneficial to

use a liberal supply of salt on the land before seeding.

This grub has a three-year life cycle, that is the beetles during 1914 deposit eggs which hatch about a month after they are laid. The young grubs feed on roots and decaying matter and do not do much damage the first year. The next year they are larger and feed almost entirely on living roots, preferably potatoes, timothy, strawberries, etc. The next year they feed more or less, but by June 1 they make earthen cells, become semi-dormant and in a fortnight or so change to brown pupae and in a month to beetles in which condition they remain in the ground until the next spring.

FAMOUS WHITE CATTLE FOR PANAMA EXHIBITION

Assistant Chief I. D. Graham, of the department of livestock of the Panama-Pacific International Exposition, has just received word that there is a possibility of exhibiting specimens of the famous Chillingham wild white cattle in the department next year at San Francisco. Eugene Grubb, who is abroad as special commissioner for the department, reports that Lord Chillingham, who owns these cattle, has offered specimens to be shown at the Panama-Pacific International Exposition, without purchase cost. The cattle were first inclosed in Chillingham Park in 1220, since which time there has not been a single infusion of new blood, and yet they have reproduced themselves in purity of type. They have been traced to the white bull of Caledonia, with whose history and fabled stories practically every Scotchman is familiar, and with the exception of two animals which were trapped and given to the Zoological Gardens of London, none of these cattle have ever gone out of Chillingham Park except as carcasses. The animals are snow white, with black noses, black horns, and red ears. They have crescent shaped horns, and there is some evidence they formerly had manes. They are exceedingly wild and fierce, and are supposed by some authorities to be the progenitors of all breeds of cattle now existing in occidental countries. They will become permanent residents of Golden Gate Park after the exposition.

The Goat Breeders' Association, which is taking an active interest in the livestock show, which is to be continuous thruout the exposition period, promises that the Angora goat representation will be of unusual interest. Some Australian goats are to be shown which produce mohair of so fine a quality it is utilized in the manufacture of "false" hair for milady's adornment.

BROWN SWISS ASSOCIATION

A Canadian Brown Swiss Association was formed at Ayer's Cliff, Que., on June 12, 1914, and incorporation under the Livestock Pedigree Act has since been secured. The officers are as follows: President, C. E. Standish, Ayer's Cliff, Que.; vice-president, Ralph Libby, Stanstead, Que.; secretary-treasurer, Ralph Libby, Stanstead, Que.; auditor, R. A. Brand, Hatley, Que.; directors, C. E. Standish, Ralph Libby, W. A. Jolley; representatives to the National Record Board, W. A. Jolley and Ralph Ballagh, Guelph, Ont.; examining committee, C. E. Standish, W. A. Jolley. Any person interested may obtain further particulars by writing to John W. Brant, accountant, National Livestock Records, Ottawa, Ont.

BOOK FARMING

A recent issue of the Country Gentleman has this to say about "Book Farming": "Science out of a book has not always been in a book. It has been put there only for safekeeping and for the convenience of those who haven't the time, or the ability, or the money, or, perhaps, the desire to go and dig it up themselves. Too frequently we look upon book farming as something that appeared spontaneously on the printed page. But none of it ever did; otherwise it wouldn't be science."

"Book Farming" came from the field, the forest, the vegetable garden, the orchard and the feed lot. You have only to go to an experiment station to see that, or to the place of a progressive, thinking farmer. Books or bulletins on agriculture, if they amount to anything, smell as much of the soil as of printers' ink. It all depends upon the smeller."

There are still some people with defective olfactory organs in this Western country.

Corrugated Galvanized Sheets

A Competitor is advertising Corrugated Galvanized Iron for a short time only at \$3.75 per square for No. 28, and \$3.95 for No. 26, cash to accompany order, and the offer is only good until November 15th.

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