

FARM MANAGEMENT

About the Farm

About 53 per cent of the nitrogen consumed by animals in the case of heavy feeding with roots is lost in the form of liquid manure. The loss is much less when feeding linseed

or concentrated nitrogenous feeding stuffs.

Do commercial fertilizers pay? In experiments conducted at the Indiana station it was found that on unfertilized ground the yield of corn was 36.4 bushels an acre. On similar land receiving an application of 200 lbs. of muriate of potash, the yield was 60.4 bushels; 200 lbs. muriate of potash and 300 lbs. acid phosphate

produced 61 bushels and the addition of 100 lbs. of dry blood, 61.4 bushels. At the New York Experiment Station six sprayings increased the yield of potatoes 23 bushels an acre and three sprayings, 23 bushels an acre. Did it pay?

A cheap and satisfactory method of protecting trees from depredations of rabbits has been advised at the Kansas Experiment Station. A spray made of butter milk and common soot in the proportion of one pound of butter milk to one-half pound soot applied for a period of 20 minutes has worked well as a repellent.

After studying the feeding of molasses and sugar foods to live stock as practiced in many countries, W. Goodwin, of London, England, warns stock feeders against paying a high price for molasses feeds when the absorbent material is put on some other substance containing little or no nutritive value.

Earliest and Best Corn

What is the earliest and best silo corn to grow? That would you recommend to keep the crows away from the field?—N. L., Peterboro, Co. Ont.

Two varieties that have been giving good success in Eastern Ontario are Compton's Early and Leaning. Another variety of silage corn that you might try is Little Wisconsin Dent. This corn is very early maturing, yields a large amount of ears and will make good heavy silage.

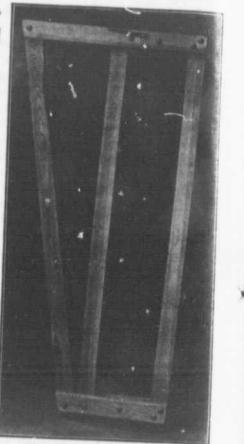
We have seen crows kept away from corn fields by setting up a row of stakes and running a cord along and to the cord at intervals of a few feet tie strips of white cotton. The cord is very suspicious animal and will see harm in this for it on that other plan followed to prevent the crows from scratching up the corn is to scatter shelled corn thinly over the field. The crows will take what they can get easily as I leave that in the ground alone. This method, however, is expensive.

Wheat Alfalfa Kills Out

Anson Groh, Waterloo Co., Ont. The factors which tend to kill out the alfalfa are too much water on the surface, too much short pasturing and blue grass cropping in. The enemy of my alfalfa is blue grass. It creeps out from stumps and fences, and eventually monopolizes the ground. My first experience in pasturing alfalfa convinced me that close pasturing cannot be practiced. We sowed three acres of another farm away from the buildings and it grew splendidly. All of the farm, however, was needed for pasturing and the cattle were allowed to run freely on the alfalfa patch and it was killed out completely. Given suitable conditions, however, and good management, alfalfa will grow anywhere that red clover can be successfully grown.

Liming Wet Land

The question sometimes arises: Is it desirable to put lime on wet land? The answer must pretty much depend on circumstances. A standard rule is that neither lime nor anything else will do much good on wet land, and that the first improvement must consist in draining the soil, when it will pay to do the other things. But draining a field is a large order, and we have sometimes to get ahead with the ground as it is. A wet soil is sour from the presence of humic acid, and the application of lime "sweetens" it by uniting with this acid. Again, a certain amount of lime is necessary for the growth of a crop as a plant food, whether the soil be wet or dry, and the sum total of the whole mat-



A Stanchion All Can Make

The easily constructed swinging stanchion here illustrated is the invention of Mr. Jno. Deyell, Lindsay, Ont. It is so simple in construction that any handy man could construct his own with this illustration for a guide.

ter is that if a given field would require lime if it were dry it needs even more in the undrained state.

A point for consideration is whether lime in the burnt or unburnt state is best. Recent experiments have shown that limestone rock is almost as effective as burnt lime if it is ground fine enough; quicklime eventually returns to the carbonate state—as it was before burning—when put in the soil, and the grinding up and application of the pulverised rock is often as effectual. Where gas lime can be had it is worth while to try the effect of that, for it does well on some soils, and wetness would make no difference to it.

Returns from Money Invested in the Soil

"Many farmers would get higher interest on their money if deposited in the shape of fertilizers in the soil than if they placed it in a bank, the interest being paid in increased crops. The returns are surer than a gold mine." During the past few years a number of educative, illustrated bulletins have been prepared by agricultural experts on the use of fertilizers in Canada. Amongst these are: "Arising Fertilizers: Their Nature and Use."

"The Potato Crop in Canada."
"Fertilizing Fodder Crops."
"Fertilizing Orchard and Garden."
"A Farmer's Field Tests."

Free copies of these bulletins, as well as special expert advice as to purchasing and applying fertilizers economically may be obtained on application to

THE GERMAN POTASH SYNDICATE,
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One of Farm and Dairy's subscribers, Mr. James F. Berry, Leeds Co., Ont., writes that one of his crows laid an egg that weighed 10 ounces, and measured 11 inches around the longest way. Not too bad for a small goose.

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Read what James L. Hill, of Fredrickton Junction, P.E.I., wrote us on February 15th:

"I think International Stock Food is a great thing for stock. We wouldn't be without it for anything. My person admires them, they have such a glossy shine and always look well. We give it to young calves and pigs and find it agrees with them splendidly, and the Poultry Food shows itself in a very short time. Our hens have been laying most of the winter. I cannot say too much for your food for all kinds of animals."

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AGENTS IN PRINCIPAL CITIES

Legislation

The system of government is to be further improved.

The number of agricultural provinces just elected for the country for a year was generally passing of estimates on the work of the year, including the building at the Exhibition, the acts calculated to be passed, amount were voted.

For work of the Department of Publications of the additional Ex-

New Branch, Industrial, Dairy and Fruit experiments in Fruit

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