

This Department is for the use of our farm readers who want the advice of an expert on any question regarding soil, seed, crops, etc. If your question is of sufficient general interest, it will be answered through this column. If stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, a complete stamped and addressed envelope is enclosed with your letter, and you will be addressed envelope in the property of the p

and more retentive of moisture, but fore, be deemed equal, in fertilizing furnishes also the essential medium value, to an application of ten tons of blanting to the activities of the bacteria which

and operating in small nodules on its a rule be noticeably persistent for several real part of its nitrogen from the air, on soils which are deficient in limit

roots. Thus clover gathers the greater part of its nitrogen from the air, and its phosphoric acid, potash and lime largely from soil depths beyond the reach of the roots of ordinary troops, consequently enriching the surgeace soil with these constituents for the benefit of succeeding crops.

How does clover compare with manuface as a fertilizer? Barnyard manuface as a fertilizer? Barnyard manuface as a fertilizer? Barnyard manuface as a fertilizer and study as a statisfactory growth of clover will be encouraged by an application of, say, the term of ground limestone per acre.

As a phosphatic fertilizer, designed to benefit both the grain and the clover 300 pounds of superphosphate or 500 pounds of basic slag, per acre, may be recommended.

Unleashed wood ashes contain, on the clover is not hard to control. One

Unless many kinds of both useful and ornamental plants are protected from injurious insects and fungous diseases by spraying, the loss in fruit and vegetable crops may be very great, and, in the case of ornamental plants which would otherwise have at-tractive foliage and bloom, they may

be rendered very unsightly.

The spraying of fruit trees should be begun just after the buds have broken in the spring and repeated at the times recommended in the spray The Manurial Value of Clover.

The amount of semi-decomposed or cultivated soils, sandy and clay our cultivated soils, sandy and clay loams, bears an intimate relation to their productive capacity.

A good crop of clover from one acretific were turned under may, there if it were turned under may, there is the contain, at a moderate estimate, in its foliage and roots, from and in which is given in Governments and in which is given in formation in regard to the treatment of the different kinds of insects and diseases most likely to cause damage.

The apple scab causes, perhaps, more loss than any other plant disease in Canada, yet this can be contained by both Federal and solven in the different kinds of insects and diseases most likely to cause damage.

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thorough spraying with either Bor deaux mixture or lime sulphur. Oth

for the activities of the bacteria which liberates plant food in the soil. Furthermore, humus constitutes the chief natural source of the soil's nitrogen supply.

Applications of barnyard manure may be considered the chief means employed in the maintenance of humus in the soil. Supplementary means are the growing and ploughing in of a green cover-crop such as rye, buck wheat, rape, vetches or clover. Of these, clover—where conditions are conducive to its satisfactory growthis to be generally preferred. By means of its deeply ramifying roots, clover disintegrates and aerates the lower soil layers and brings up therefrom plant food supplies unattainable by other more shallow rooted crops.

An additional advantage which clover, of the legume family, possesses is that of its ability to assimilate the free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to its samilate the free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to stability to assimilate the free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to its samilate the free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to its samilate the free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to the increases of the soil atmosphere by means of minute bacterial organisms living and operating in small nodules on its roots. Thus clover gathers the great-conductive to the increases of proper plant food supplied with a form of the soil at the free nitrogen of the soil atmosphere by means of min

certain sprays intended to kill insects
will not control fungous diseases.
Get the spray pamphlets and study
them carefully before spraying, but
spray and sprey thoroughly!

How does clover compare with manure as a fertilizer? Barnyard manure of good average quality contains approximately 10 pounds nitrogen, 5 pounds phosphoric acid and 10 pounds potash per ton. Therefore 10 tons of barnyard manure would furnish about 100 pounds nitrogen, 50 pounds phosphoric acid and 100 pounds potable. Therefore 10 tons of barnyard manure would furnish about 100 pounds nitrogen, 50 pounds phosphoric acid and 100 pounds potable. Therefore 10 tons of barnyard manure would furnish about 100 pounds nitrogen, 50 pounds phosphoric acid and 100 pounds potable. Therefore for an average, from 4 to 6 per cent. of phosphoric is not hard to control. One phoric acid and from 20 to 30 per cent. of lime. They are eminently suitable as a fertilizer for clover and, when procurable at a reasonable price, should be applied at the rate of from 25 to 40 bushels (1000 to 1600 pounds) machines.

The Paris green with provided beetles should be done as soon as the work of the insect is noticed. This destructive insect is noticed. This destructive insect is not hard to control. One part of Paris green mixed with 20 to 30 parts of air-slaked lime or flour, and used as a dust spray, affords the best results on young plants. It should be applied at the rate of from 25 to 40 bushels (1000 to 1600 pounds) machines.

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machines.

The Paris green spray, prepared by mixing one pound of Paris green with 75 to 125 gallons of water and adding one pound of quicklime to the mixture, makes an effective spray. This spray will burn vines if the quicklime is omitted.

The Beard that Grows Outdoors

on the face of an active, vigorous man, is a very different razor test from the beard which grows at a desk or behind a counter.

That's why three years' service in the trenches has done more than ten years' use in the cities to single out, for real, stiff shaving, the

Gillette Safety Razor

The man who doesn't get time to shave every morning—whose beard grows thick, sun-cured and wiry-he's the one who gets the most solid satisfaction out of his Gillette.

Such an edge as it offers you-always ready without honing or stropping! How easy it is to adjust it, with a turn of the screw handle, for a light or close shave, or a tough or tender skin! How neatly it works round that awkward corner of the jaw! And how good it feels as it slips through

the stiffest beard you can put it up against! There's certainly a treat waiting for you the day you buy a Gillette! Why not make it soon?

Gillette Safety Razor Co. of Canada, Limited





WANTED POULTRY, EGGS and FEATHERS Highest Prices Pald P. POULIN & CO.

SMOKE TUCKETTS

about spraying?" says the oldest in-habitant. "When I was a boy—." That is the difference. Grandfather did not have to contend with the swarms of pestiferous insects, that make or-charding so difficult for his grandson. Spraying was not necessary in those Spraying was not necessary in those days because apple orchards were more widely scattered and as a result insects were not so numerous. With the increase of orchards, insects became more numerous, not only from multiplication but by importation from infested territory and from forlands. For many years insects permitted to multiply unhamland as a result they made oreign lands. harding unprofitable.

From the moment a woman enters the pregnant state, she enters a new condition of being, physiological, it is true, but as liable to mishaps and derangement as the performance of any tumor of X-rays?

very hard to take proper care of her-

At her daily task she will spare herself as much as possible for the sake of her child; she will eat food that can of her child; she will eat food that can be readily digested so that her child will have its proper share; she will try to get plenty of sleep; she will try to get plenty of sleep; she will try to avoid worry, and exposure to wet and cold; she will not give way to anger, fear and hatred; and she will often consider that she is the only protector her child can have while she is carrying him within her body.

Angora cat or a fine bleoded dog will prove a pleasant companion for the little outlay for food.

If the animals are in first-class condition when the owner comes to claim them, he will recommend the keeper to his city friends, and in this way a good paying business can soen be worked up.

If women would realize this sacred trust, how much more they would get from this most beautiful of all physio-logical conditions, and they would logical conditions, and they would bring into the world children who would not be handicapped by an inheritance which would cripple them more or less for life. Pitiable, indeed, is the lot of the war

baby, with all that is included in the thought; and how thankful Canadian women, who are pregnant, should be that they have been spared many of the ills which their less fortunate sisters, abroad, have had to bear!

QUESTIONS AND ANSWERS

J. B.—If you will send stamped and addressed envelope full particulars regarding eczema will be mailed to

A Farmer's Son.—1. The noise which you hear is produced by the combined action of fluid and air in the It often comes in con nection with indigestion, and is not of very much significance, although it is annoying. 2. If, when the trouble occurs, you would add one teaspoonful of peppermint water to half a glass of peppermint water to half a glass of hot water, and drink this slowly, it would dispel the gas.

T. B.—It is generally supposed styes are the result of infection. If the bowels are kept freely open, and the eyelids are frequently moistened with a solution of boric acid, it will

relieve the trouble.

X.R.—Is it possible to cure a fibroid tumor of the abdomen by means of

Answer—I think I may say quite outively that it is not. The only positively that it is not. The only successful way of treating them, as I have found in a long surgical experience, is by removing them.

Mrs. C. E. D.—Is rheumatism some

times referred to as "growing pains?"

Answer—It is possible; but if that is the case, it is incorrect. I doubt there is any such thing as "grewing pains.

Make Money by Boarding Pets.

with a fatal result.

A pregnant woman should realize not only that she is carrying a child which is going to belong to her, but also to the state and to the world.

If she has this feeling, she will try the summer vacation or while away on a trip. on a trip.

on a trip.

City people will pay well for good care given to prized pets during their absence. A Shetland pony, a canary, Angora cat or a fine blooded dog will



Your work's disgraceful," teacher said, "You really can't be bright."
But Willie folded up the board
And showed that he was right.