

**Inquiries and Answers**

Readers of the paper are invited to submit questions on any phase of agriculture.

**Stable Manure and Superphosphate**

I saw recently in a farm paper that it was a good plan to mix superphosphate with stable manure and if for vegetables, some muriate potash. Would you advise mixing superphosphate and muriate of potash so as to make one or two loads do where I intended to put 40-50 E. G. Murray River.

It is not advisable to mix commercial fertilizers with farm yard manure. If you wish to use them you had better go slow on the start, using them only in an experimental way, as it is very easy to waste money in this manner. Superphosphate is never mixed with farmyard manure, except in small quantities to prevent loss of ammonia. We would refer you to the bulletins of the Ontario Agricultural College for information re commercial fertilizers

**The Hog Proved False**

I purchased a large, improved Yorkshire boar 12 weeks from a Quebec breeder, paying him \$12.50 for same. He is about 7% months old today. He will not serve my sows. I have been obliged to breed them to a scrub boar in the neighborhood, thus losing the use of pure bred boar. This pig has been well fed and cared for, has had lots of exercise, and my neighbors think him a fine animal for his age, but he shows no inclination, whatever, to serve sows. As I shall be obliged to dispose of him at the price of one row, I would refer you two ways. I wrote the breeder requesting that he refund the portion paid in excess of the price of pork. He asks that I submit the question to a leading farm paper and he will be satisfied by its opinion. Would you, therefore, be kind enough to refer your opinion to this matter—S. G. Terreboune Co. Que.

It is the general custom in purchasing pure bred stock for the buyer to take all risk as to the breeding qualities of the stock purchased, unless otherwise agreed upon at the time of purchase. As the pig is still young, he should prove entirely satisfactory as a breeder when the warm weather sets in. At any rate we do not think it fair to demand a rebate from the breeder.

**Obstruction in Teat**

One of our cows which freshened about two weeks ago has gone wrong in one of her front teats. In this teat she has become closed and we cannot get any milk out of it. There is no swelling or any hard lump in the udder or teat. Will you kindly prescribe for this case?—R. S. Agricultural County.

Will a twin heifer calf breed? One of our best milking cows has produced a pair of twins, a heifer and a bull, and we would like to keep the heifer calf. The impression prevails, however, that a heifer calf born under these circumstances will not breed. Will you give us your opinion concerning this?—E. J. N. B.

There must be an obstruction of some kind, either a growth, or a clot of whet or blood. It is possible that the introduction of a teat syphon may remedy the trouble, but in all probability an operation by a veterinarian with an instrument especially designed for the purpose, will be necessary. Do not attempt to pass a knitting needle any such instrument. If bathing with hot water and manipulation will not remove the obstruction, it will be better to employ a veterinarian.

When twins are out of each sex, the female is called a "Free Martin," and it is generally supposed that she will not reproduce. It is hard to say in what percentage of cases this rule holds good, but it is not uncommon for one to fail to breed, neither is it uncommon for one to breed regularly. It is not possible to say whether or not yours will breed. The only method of ascertaining is to try when she reaches the proper age.

**Worms in a Horse**

State how many different kind of worms in a horse, and treatment for each? Is there any cure for indigestion in a horse?—G. W. B., Ont.

There are three kinds of worms common to horses, viz. Bots, Pin Worms, and Round Worms. For Bots, two ounces of turpentine, in one and a half pints of new milk, given in an empty stomach, three mornings in succession, is as good a remedy as any. The treatment for Pin Worms is merely local, by means of injections. First, give an injection to clear out the bowels, and follow it with one of salt and water, one ounce of salt to one-half gallon of water. A decoction of quassia chips may be used. For Round Worms, the remedy is to give on an empty stomach one-half dram tartar emetic, and one-half dram coppers; mix and give in fees three times a day, followed by a dose of aloes. Unless the indigestion has become chronic, a change of diet, and the giving of laxative foods, will distribute any specific treatment will depend upon the stage of the disease.

**Experiments With Farm Crops**

The members of the Ontario Agricultural College Experimental Farms, have been distributed to the Ontario Agricultural College, Guelph, for experiments with fodder crops, roots, grains, grasses, clovers and fertilizers.

About 2,500 varieties of farm crops have been tested in the Experimental Department of the Ontario Agricultural College, Guelph, for at least five years in succession. These consist of varieties of roots, early all parts of the world, some of which have done exceedingly well in the carefully conducted experiments at the college, and are now being distributed free of charge for co-operative experiments throughout Ontario. The following is the list of co-operative experiments in agriculture for 1908:

Three varieties of oats; three varieties of six-rowed barley; two varieties of two-rowed barley; two varieties of hullless barley; two varieties of spring wheat; three varieties of buckwheat; two varieties of field peas; common and speltz; two varieties of soy, soja, or Japanese beans; three varieties of husking corn; three varieties of mangel; two varieties of sugar beets for feeding purposes; three varieties of Swedish turnips; two varieties of fall turnips; two varieties of carrots; three varieties of fodder or silage corn; three varieties of millet; three varieties of sorghum; grass peas, and two varieties of vetches; rape, kale and field cabbage; three varieties of clover; sainfoin, Lucerne and Burnet; four varieties of grasses; three varieties of field beans; three varieties of sweet corn; fertilizers with Swedish turnips; sowing mangels on the level and on a drift; two varieties of early potatoes; two varieties of medium ripening potatoes; two varieties of late potatoes; three grain mixtures for grain production; three mixtures of grasses and clover for hay.

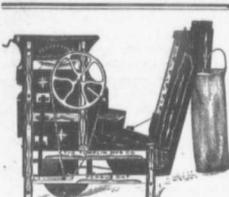
The size of each plot in each of the first 27 experiments and in the last two, is to be two rods long, by one rod wide, that is late potatoes one rod square.

Each person in Ontario who wishes to join in the work may choose any

ONE of the experiments for 1908, and apply for the same. The material will be furnished in the order in which the applications are received, until the supply is exhausted. Each applicant should make a second choice for fear that the first could

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C. A. Zavits,  
Ontario Agricultural College, Guelph



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