

## Alfalfa on Wheat

Would it be advisable to sow Alfalfa on fall wheat? Would spring or fall sowing be the best? How much seed should be sown an acre; where could it be obtained and at what cost? Should cattle be allowed to graze on it the first fall after the wheat is out? Would it be a good thing to sow it in an orchard for pasture? A Greenock Subscriber.

It is not advisable to sow alfalfa on fall wheat, although a rare case of good catches have been obtained in this way. If sown on wheat it should be sown late in the spring and harrowed in.

Alfalfa should be sown at the rate of 15 to 20 lbs. an acre, preferably with a light nurse crop of barley. The seed can be obtained from any of the seed firms advertising in the Canadian Dairyman and Farming World. The price fluctuates with the market. It is priced at present from \$12.50 to \$14.00, depending on the quality.

To get the best results from alfalfa, it should not be grazed, particularly during the first year, as the grazing and tramping is very injurious to the plants. Alfalfa will not stay in the ground nearly so long when grazed, as when sown for hay only.

It is not advisable to pasture or graze, generally speaking. Many object to alfalfa in an orchard on account of its extreme root growth, which interferes more or less with the root system of the trees.

## Bordeaux Mixture on Potatoes

Please state the price of Alfalfa a pound, and the number of pounds required to sow an acre. Please also state the price of Bordeaux mixture to spray on potato tops.—E. J. Leede Co., Ont.

See merchants quote alfalfa seed at 25c. a lb., with special rates for larger quantities. (See question in alfalfa.) You had better write your dealer and obtain his prices. Sow 15 to 20 lbs. an acre, according to the quality of the seed.

To prepare Bordeaux mixture for potatoes, use the following formula: Copper sulphate (Bluestone) 6 lbs. Unslaked lime..... 4 lbs. Water (one barrel)..... 40 gals. For the Colorado potato beetle add 8 ounces of Paris green to the foregoing formula.

Dissolve the copper sulphate (by suspending it in a wooden or earthen vessel containing four or five or more gallons of water.) Slake the lime in another vessel. If the lime is unslaked, it is lumpy or granular, it should be strained through coarse sacking or a fine sieve. Pour the copper sulphate solution into a barrel; half fill the barrel with water, add the slaked lime, fill the barrel with water, and stir thoroughly. It is then ready for use. It is important to not mix the lime water and the sulphate of copper solution before diluting.

## Protein in Buckwheat

What is the Protein Content of Buckwheat? I have been feeding buckwheat to my cattle lately and have thereby greatly increased their flow of milk.—D. York County, Ont.

Buckwheat is comparatively rich in protein, analysis showing it to contain 10 per cent.

## Clipping Coat and Breeding Filly

If you clipped or singed a colt would it have to be done every year, because of the hair, having a tendency to grow longer each year? At what age could a general purpose filly be bred, and what kind of a horse would be most suitable to breed her to, Hackney, Roadster, Clydesdale or general purpose?—E. R. Locust Hill, Ont.

Horsemen differ in their opinions upon the effects of clipping horses. The majority believe, however, that the hair grows longer after each clipping. The hair of the horse naturally becomes longer as the horse ages.

If your filly is of good size it would be well to breed her late in the season, when she is two years old. What

to breed her to, is an open question, depending upon your local conditions. If you wish a light horse, you had better use the roadster stallion. If you desire heavy offspring use the Clydesdale, but by no means use the general purpose stallion.

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Tilsenborg, Ontario

