

FARM MANAGEMENT

Weed Seeds in Manure

I am constantly met in agricultural papers with the statement that it is best to haul manure as it is dropped. This may have some advantages, but how about the living weed seeds that are sure to be in the manure? I think they must lie in a heated pile of manure to destroy their life. Take sorrel and lamb quarter seeds. I find these hard to kill. What is to be done to destroy the seed in the manure?—J. A. H.

The problem of weed destruction in manure is one which has received considerable attention, but is as yet unsolved, for the reason that the destruction of weed seeds by heating, or practically any treatment of manure that can be thought of as possible of being put into operation, costs more than the manure is worth, or so decreases the value of the manure as to make its application after such treatment almost useless.

The common practice of allowing manure to heat with a view to the destruction of weed seeds results in a loss of anywhere from 40 to 60 and even 75 per cent of its fertilizing value.

Our practice here is to haul manure as it is made and apply on the surface so that the weed seeds, if any occur, have a chance to germinate shortly after being scattered on the soil in the manure, or as soon as growing conditions maintain, and so are got rid of by early cultivation. This plan is, of course, practicable and advisable only in the case of such crops as are cultivated—roots, potatoes, corn and garden crops—or in the case of early harvested crops, such as red clover and alfalfa. In one case the weeds are destroyed, in the other case the

great majority are smothered out, or cut with the hay just at that stage when they might possibly be of some value for feeding purposes and when they are almost always so immature as to be quite certain not to leave any ripe seeds for future infestation of land.

After studying all methods known, or that could be heard of here, it was concluded that the best plan was to spread manure broadcast as it came from the stable, excepting in the case of very hilly ground, when it was found valuable to put in small piles during the winter and spread in the spring after the heaviest rains had fallen or melting snow disappeared.—J. H. G.

Cooperative Dairy Company

With a possible capitalization of \$75,000, Dr. C. A. Publow is at present putting through the biggest proposition affecting dairy interests that Prince Edward county has ever known. It is the forming of the Farmers' Cooperative Dairy Company. It is aimed to include all the factories in the county. Already a large number of the cheese factories have joined with the proposed company, amongst the number being two of the largest in the county, Bloomfield and Cherry Valley. There will be no watered stock in the new company, all the profits will go to the people who are producing the milk, in proportion to the amount of milk sent.

This is the plan followed by the dairymen of Denmark, who are acknowledged to be leaders of the world in cooperative dairy work. The company is to be composed entirely of milk producers; no outside capital is to be connected with the company in any way. So far the plan has been accepted most favorably by all factories where meetings have been held.

Toronto Fat Stock Show

Few shows have so quickly established themselves in favor with breeders and exhibitors as has the Toronto Fat Stock Show. The first show held last year was a great success. The second annual show, held in Toronto Monday and Tuesday of last week, was even more successful. The number of exhibitors and animals exhibited showed a satisfying increase, and, in addition to the classes of last year, a poultry show was added. Wet weather marred the attendance at this show, as well as the fact that the show is not yet well known to fair goers. In a few years, however, this show bids fair to rank as one of the most popular in Ontario.

The interest at this show centred in the championship steer. Mr. Jas. Leask, of Greenbank, secured first place on a grade Shorthorn between one and two years old. Competition was close between this steer and a pure bred also owned by Mr. Leask. The grade won out in that it was smoother and firmer fleshed, and was noticeably better covered over the shoulder. Both animals were of the low down, blocky, fine harding sort. This steer was after the show sold to the Whaley, Royce Company, of Toronto, for 50 cts. a pound, and was donated by them to the Children's Hospital of Toronto.

SOME OF THE EXHIBITORS

In the pure bred classes, Shorthorns predominated, the principal exhibitors being Jas. Leask, John Brown and Son, Galt; W. G. Pettit and Son, Freeman; and J. Black, Belwood. The exhibit of grades was very large, some of the best awards on individual animals going to Jas. Leask; J. Stone, Saintfield; W. R. Durnin, Lucknow; Pritchard Bros., Fergus; and Hugh McGregor, Brucefield. Car load lots were shown by Robson and Fried, Washington; J. Black, Belwood; Wm.

Pridham, Mitchell, and numerous others. Most of the car load lots, particularly those belonging to the breeders mentioned, were uniform in size and quality, and showed good fitting. A few of the car lots, however, were not in good condition, owing to the scarcity of feed in the country.

The exhibit of sheep was good, being much in advance of last year in number and quality of entries. For pens of three, some of the largest winners of prize money were John Huston, Chatham; C. F. Jackson, Port Stanley; A. Hales, Guelph; and R. Winters, Seaford. In classes for car lots of 50, the same exhibitors secured the best of the awards.

A SPLENDID EXHIBIT

The most attractive feature of the swine exhibit was the car load lot of 50 bacon hogs exhibited by O'Keefe and Drew, Chatham. These hogs were all pure bred Tamworths, and of splendid Lacon type. Other winners in the swine class were G. H. Graham, Udon; J. Black, Belwood; and A. Hales, Guelph.

The object of this show is to demonstrate to producers and shippers of market cattle, sheep and swine just it pays to breed the right kind of stock. The two shows already held have been a success, judging them from this view point, and the show must soon rank as one of the best educational exhibitions in Canada.

There is a serious shortage of milk in Winnipeg. If prices continue to go up farmers will find that there is more money in milk than in wheat.

The Lambton Fruit Growers' Cooperative Association report a most profitable season. Their output this year shows a great increase over former years, and the association has grown to be one of the best mediums for advertising the county Lambton has ever had.



— 135 Registered Holsteins —

Record of Merit
Record of Performance

Public Dairy Test Winning
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Cows

The Kind You Read About in Farm & Dairy

**Will be Sold at Public Auction, Tuesday, January 2nd, 1912
At the Big Annual Consignment Sale of the Southern Ont. Breeders
To Be Held in the Roller Rink, Tillsonburg, Ont, commencing at 10 a. m.**

These Richly Bred Cattle are from
the noted herds of

E. LAIDLAW & SONS	-	Aylmer
T. W. MCQUEEN	-	Tillsonburg
M. L. HALEY	-	Springford
M. H. HALEY	-	Springford
JAS. RETTIE	-	Norwich
R. J. KELLY	-	Tillsonburg
GEO. RICE	-	Tillsonburg
J. W. RICHARDSON	-	Caledonia

These men are all well known breeders; they are breeders and not speculators. They are taking this popular way of selling their increase to keep their herds to the capacity of their stables.

THE AUCTIONEERS:

Col. D. L. Perry, Columbus, Ohio.
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The offering includes a splendid lot of young females from Record of Merit Dams; Males good enough to lead any herd from great sires and dams with records up to 27.5 lbs. butter a week. Some whose 3 and 4 nearest dams will average this record. Yearly records nearly 20,000 lbs. of milk.

All of the breeders in this sale have their reputations at stake and will consign cattle worthy of their reputations.

Everything will be sold absolutely without reserve, even if it is but a \$5.00 bid. Heavy penalties have been agreed upon to foreclose the possibility of any breeder returning cattle to his barn. Therefore you will have the opportunity of years to get choice richly bred Holsteins at your own price.

A SPECIAL TRAIN will be provided on day of sale from Stratford, leaving there on January 2nd at 7.40 a. m., Woodstock 8.30 a. m., calling at all intermediate stations. Ask conductor or agent for ticket to consignment sale and secure cheap rate. Train returns in evening.

For a Big Catalogue giving Full information, Pedigrees and Breeding, write M. L. Haley, Springford P.O., Ont.



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