

BALANCED RATIONS

It is well when feeding laying hens to supply at least half of their daily rations in the form of a dry mash; try the following, keeping the hopper open in the afternoons only:—

By Weight	By Measure
26 lbs. Corn Meal	22 qts. Corn Meal
26 lbs. Wheat Middlings	27 qts. Wheat Middlings
13 lbs. Wheat Bran	22 qts. Wheat Bran
5 lbs. Alfalfa	8 qts. Alfalfa
5 lbs. Linsed Oil Cake Meal	3 qts. Oil Cake Meal
2 1/2 lbs. Gunns Shur-Gain Beef Scrap	17 qts. Beef Scrap
1/2 lb. Salt	3/4 pt. Salt

Feed whole grain in a litter night and morning; 2 parts wheat, 2 parts corn, 1 part oats and 1 part buckwheat makes an ideal ration. Cut down night and morning feeding in case of pullets or fowls in heavy laying to induce heavy eating of the dry mash.

This ration should be supplemented with beets, cabbage, sprouted oats, green clover or other succulent food, Gunns Shur-Gain Grit, Shell and Medicated Charcoal should always be available to the birds.

For further information write:

GUNNS LIMITED
Fertilizer Dept. H.
WEST TORONTO, ONTARIO

Thrifty Holstein Bull Calf

EIGHT MONTHS OLD FOR SALE
Dam's record, 10,000 lbs. milk in one year (private). Official record of sire's dam, over 14,000 lbs. milk as a three-year-old. Dam is a regular breeder, which quality is likely to be transmitted to her son. This is a very important point. For price, write: Manager, "Overlake Farm," Grimsby East, Ont. or H. H. Dean, College Heights, Guelph, Ont.

2 Yearling Holstein Bulls 2

and several younger females, all ages; cows in R.O.P. and R.O.M. Will sell half interest or all of our old herd. Sire and show bull, "King Fayne Segis Clothilde," five years old.

R. M. HOLTBY
Phone. R.R. No. 4, PORT PERRY, ONT.
Manchester and Myrtle Stations.

Woodbine Holsteins

Young bulls and bull calves, sired by Duke Beauty Pietertje; sire's dam record 32.52 lbs. butter, and his two granddams are each 30-lb. cows, with 30-lb. daughter, with 30-lb. granddaughter. Three generations of 30-lb. cows. If you want a bull that will prove his value as a sire, write: **A. KENNEDY & SON, R.R. No. 2, Paris, Ont.** Stations: Ayr, C.P.R.; Paris, G.T.R.

Maple Grove Holsteins

Do you know that Tidy Abbeekirk is the only cow in the world that produced three sons who have each sired 30-lb. butter cows, and two daughters with records greater than her own. She was bred, reared and developed at Maple Grove. Do you want that blood to strengthen the transmitting power of your herd, at live and let live prices, then write: **H. BOLLERT**
TAVISTOCK, ONT. R.R. No. 1.

Holstein-Friesian Association of Canada

Application for registry, transfer and membership as well as requests for blank forms and all information regarding the farmer's most profitable cow, should be sent to the Secretary of the Association.

W. A. CLEMONS, St. George, Ontario

The Maple Holstein Herd

Headed by Prince Aaggie Mechthilde. Present offering: Bull calves born after Sept. 1st, 1913. All sired by Prince Aaggie Mechthilde and from Record of Merit dams. Prices reasonable.

WALBURN RIVERS
R.R. No. 5 : : : : Ingersoll, Ont.

Ridgedale Holsteins For Sale—Only 1 young bull, smooth and straight, richly bred, closely related to our champion cow. Also our aged stock bull, Imperial Pauline De Kol, No. 8346, very sure and quiet. Myrtle Sta., C.P.R.; Manchester Sta., G.T.R. **R. W. Walker & Sons, R.R. No. 4, Pt. Perry, Ont.**

Holsteins, Yorkshires and Cotswolds
Minster Farm offers a pair of choice ram lambs of best breeding; also R.O.P. Holsteins and Yorkshires of both sexes. For full particulars write: **Richard Honey & Sons, Brickley, Ontario**

Mention this Paper

Questions and Answers. Miscellaneous.

Boy for Farm.

Inform me, through the columns of your valuable paper, of the names and addresses of some Homes or institutions where I can get a boy to help with chores on the farm.

A SUBSCRIBER.

Ans.—You might be able to secure help by writing the Secretary of the Children's Aid Society at Ottawa, Kingston, Belleville, Toronto, or London. There are often children available at the Thos. Alway Home in London, Ont. Applications must be accompanied by a letter from a clergyman or other responsible party, vouching for the applicant and giving certain information regarding the home and ages of the people making application.

Tread Mill for Farm Power.

I have a ten-inch grain grinder which I run with a sweep-horse power, but owing to the difficulty of getting horses enough to run it, would like to have someone's experience with a tread power, and what horse-power best to use if thought advisable. I do some custom work for neighbors also. I have idle horses in the winter, so I thought a tread power would suit my requirements at a much lower cost than a gasoline engine.

F. L. R.

Ans.—It would be much more satisfactory working a tread power than the sweep. A three-horse tread power would do most any kind of work efficiently, and would not be too hard on the horses. Some of our correspondents claim it to be the most economical power on the farm, especially where there are idle horses, or a bull to exercise. Perhaps other readers have had experience and would give their opinion through "The Farmer's Advocate."

Feeding Pigs—Geese.

1. With pork at the present price, what are boiled potatoes worth as pig feed? What concentrates would you feed with them at present prices?
2. How many geese will an acre of low land that grows up thick with natural grass support for the summer?

C. M.

Ans.—It has been determined by experiment that 400 lbs. of cooked potatoes are about equal to 100 lbs. of mixed grains for pigs. About 300 lbs. equal a bushel of corn. From this you will be able to compare their value with the different grains on your local market. Potatoes should not be fed raw. Would advise feeding mixed grains with them, and possibly some shorts.

2. This depends on the grass. If it is really a low-land coarse sedge, it is of very little value for feed. If it is good grass, it will run a large number of geese. We are not prepared to say just how many, probably one hundred, but a smaller flock would do better.

Twin Cattle Breeding—Feeding Cows

1. A friend of mine has a cow that had twins. He has kept the heifer calf. Would you please tell me if it is any good for breeding?

2. What is a good mixture for five cows, to get plenty of milk, as I have no pasture. All I have is hay, oats and bran. Willing to get anything as long as I get plenty of milk.

3. I had a calf down and out with the white scours at two days old. I took chances on it, and gave it three ounces castor oil and half a pint of fresh milk from the cow every hour, and next morning found it fine.

A. I. S.

Ans.—1. A heifer dropped a twin with a bull seldom shows periods of estrum, and thus does not breed. The bull is generally all right. In some cases, however, the heifer, too, has been known to breed, but this is exceptional. If the heifer shows regular periods of heat she will likely breed.

2. Mix the oats and bran, two of oats to one of bran, and add a little heavier chop or some oil cake or cotton-seed meal. Besides this, silage or roots are needed, and both could be used to good advantage. A bushel of good silage and half a bushel of pulped mangels each per day would help out greatly.

3. We think the calf had the ordinary type of scours, and not the contagious form of white scours.

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NATURE'S OWN PERFECT TONIC AND CONDITIONER. Makes hens lay regularly. Acts directly upon the digestive and egg-producing organs. Tones up their entire system. Keeps them in vigorous health. Gives YOU larger profits.

Pratts Poultry Regulator

Promotes Growth. Shortens the Moulting. Insures Fertility. Prevents Disease.

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Pratts Powdered Lice Killer instantly rids your fowls of lice and mites. In sifter top cans at 25c. and 50c.

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Write your name and address on margin of this advertisement. Then mail it to us with 10c. for "The Poultryman's Handbook," 160 pages, richly illustrated.

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Dept. 1
TORONTO



Riverside Holsteins

Herd headed by KING JOHANNA PONTIAC KORNDYKE, a grandson of PONTIAC KORNDYKE, and a brother of PONTIAC LADY KORNDYKE, 38.02 lbs. butter in 7 days, 156.92 lbs. in 30 days—World's records when made.

J. W. Richardson : R.R. No. 2 : Caledonia, Ont.

SUMMER HILL FARM Holstein Cattle and Yorkshire Hogs

We offer for sale a dozen bulls, some ready for service, from high official record dams. If you are wanting a bull; better write us and let us tell you how good they are. Can also spare a few good heifers. Yorkshire hogs all ages.

D. C. FLATT & SON
HAMILTON : Phone 7165 : R.R. No. 2 : ONTARIO

FAIRVIEW FARMS

Can furnish you a splendid young bull ready for immediate service, and sired by such bulls as PONTIAC KORNDYKE, the greatest producing sire of the breed, and also the sire of the greatest producing young sires of the breed; one of his sons already has six daughters with records above 90 pounds, RAG APPLE KORNDYKE 8TH, now heading our herd, and a few by a good son of PONTIAC KORNDYKE, and out of officially tested cows. Come and look them, and the greatest herd of Holsteins you ever saw, over, or write just what you want.

E. H. DOLLAR, Heuvelton, New York (Near Prescott, Ont.)

LAKEVIEW HOLSTEINS

Senior Herd bull—Count Hengerveld Fayne De Kol, a son of Pietertje Hengerveld's Count De Kol and Grace Fayne 2nd. Junior herd bull—Dutchland Colantha Sir Mona, a son of Colantha Johanna Lad and Mona Pauline De Kol. Third bull—King Canary Segis, whose sire is a son of King Segis Pontiac, and whose dam is 27-lb. three-year-old daughter of a 30-lb. cow. Write for further information to

E. F. OSLER, BRONTE, ONT.

Holstein Cattle (Prince Hengerveld of the Pontiacs, herd sire). Stock for sale. Large herd to select from.

HAMILTON FARMS ST. CATHARINES, ONT.

PRIZEWINNING HOLSTEINS

Another win. For the past four years we have won on get of sire, which speaks for the quality along with constitution. Choice young bulls for sale, including 1st young bull at Ottawa and 2nd at Toronto, also young females. **M. L. HALEY, M. H. HALEY, Springford, Oxford Co., Ont.**

SUNNY HILL HOLSTEINS

Herd sires, Pontiac Segis Ayondale, grandson of King of the Pontiacs; 8 of his mature dams average over 30 lbs. butter in seven days. Pontiac Wayne Korndyke whose dam, sire's dam and ten sisters of sire average over 31 lbs. in seven days. Bull calves for sale.

W. M. A. RIFE HESPELER ONT.