

Fertilizer Quality

When you buy fertilizer remember you are buying what is in the goods and not merely a weight of two thousand pounds.

When a smelter buys gold ore he buys not merely two thousand pounds but he insists on knowing how much gold is in the ore, and you should know the amount of active nitrogen, which is the gold of the fertilizer.

For further information write

DR. WILLIAM S. MYERS, Director
25 Madison Avenue, New York

FACTORY PRICES

89c

HEAVIER GRADES AT EQUALLY FAVORABLE PRICES
READY TO LAY—PURE ASPHALT

ROOFING

Quickly and Easily Laid without previous experience and requiring no expert help
CAN BE LAID OVER OLD SHINGLES

**DURABLE, WEATHERPROOF
FIRE-RESISTING**

WRITE FOR FREE SAMPLE

The Halliday Company Limited

● FACTORY DISTRIBUTORS
HAMILTON, CANADA

Good Luck

COTTON SEED MEAL
CALF MEAL
OIL CAKE MEAL
FLAXSEED GLUTEN MEAL
POULTRY FEEDS
SEED POTATOES
SEED GRAINS

Write for prices.

CRAMPSEY & KELLY
Dovercourt Rd., Toronto, Ont.

Morrison Tamworths and Shorthorns. Bred from the prize-winning herds of England. A choice Tamworths both sexes, for sale. Choice Shorthorns, males and females of the deep-milking strain, also Clydesdale stallion, 3-year-old, a dandy.

Chas Currie, Morrison, Ont.

TAMWORTHS

Young sows bred for August farrow and some nice young boars. Write to
JOHN W. TODD, R.R. No. 1, CORINTH, ONT.

Pine Grove Berkshires

Sows bred and ready to breed. Boars fit for service. Young things, both sexes, from my prizewinning herd.
W. W. Brownridge, R.R. 3, Georgetown, Ont.

Springbank Herd of Chester Whites

An estors bred from the best herd in Canada. Young pigs ready to wean, both sexes.
Wm. Stevenson & Son, R. R. 1, Science Hill

PROSPECT HILL BERKSHIRES

Young stock, either sex, for sale from our prize-winning sows and boars. Also some from our show herd headed by our stock boar, Ringleader. Terms and prices right.
John Weir & Son, Paris, Ont., R. R. No. 1

Avonhurst Yorkshires and Collies

Two choice litters of Yorkshires, both sexes. A splendid litter of pedigree collies.
B. Armstrong & Son, Godfrington, Ontario

Questions and Answers. Miscellaneous.

Crows.

How long do crow's eggs take to hatch, and how long do the young stay in the nest after they are hatched?
E. B.

Ans.—It is around three weeks, but the exact time is not definitely known. Many small bird's eggs hatch in two weeks, and the time of incubation increases with the size of the bird. A hawk takes four weeks, and it is reasonable to suppose that the crow will come in about midway between the time required for the small and large birds. The length of time the young remain in the nest is not known exactly.

Substitute for Clover.

1. What is the best grain to sow to take the place of clover? My clover has been winter-killed.
2. Is sugar cane a good substitute for clover? How much seed is required per acre? Should it be mixed with other grains? How long after seeding before it is ready for pasture? How late in the fall can it be pastured? Does it grow up as it is eaten off?
3. Is millet a good summer fodder? What variety would you recommend? When should it be sown?
4. Is there any other mixture you could recommend to give early feed and plenty of it? Soil is clay loam and well underdrained.

W. C.
Ans.—1 and 2. A mixture of 51 lbs. oats; 30 lbs. Early Amber sugar cane, and 7 lbs. red clover furnishes a very good feed in many localities, and is ready for pasture within two months after it is sown. Sugar cane alone would not prove satisfactory, but it might furnish a considerable amount of feed when sown with oats and clover.
3. Millet makes good fodder, but it should not be sown until the latter part of June. The Japanese Panicle variety is believed to be the heaviest yielding millet grown.
4. A mixture of two bushels oats to one bushel peas is highly recommended. It can be cut green and fed to the stock, or it can be cured for hay. This mixture usually gives a good yield of fodder with high feeding value.

Field Beans—Sweet Clover.

1. Last year some of my beans turned brown on the leaf, and on examining them could not find anything wrong, but in pulling the plant found several insects on the roots about the size and shape of a small pearl. Could the seed be treated to prevent them?
2. When is the proper time to plant field beans?
3. I bought a farm that has been rented for a number of years and has been cropped heavily and now is in poor condition, but it is clean. Would you advise sowing sweet clover to build it up?
4. If sweet clover were once sown could I get rid of it?
5. In feeding sweet clover to milk cows will it taint the milk?

R. M.
Ans.—1. From the description given it is difficult to say what was wrong with the crop. It may have been affected with the bean rust, which, as a rule, does not seriously affect the crop. We know of no treatment to prevent the insects spoken of on the roots. The bean is a legume plant and small nodules form on the roots that contain bacteria, which take nitrogen absorbed from the atmosphere and make it available to the plant. These nodules are essential to the best growth of the crop.
2. It depends on locality, soil and variety of beans. They are usually planted the latter part of May or first week or ten days in June.
3. Sweet clover will grow on almost any kind of soil, and by plowing under a crop the humus content of the soil is increased. It is claimed that sweet clover is a splendid crop to improve the soil.
4. The plant is a biennial and will die out the second year the same as does red clover if it is prevented from going to seed.
5. We have never heard of milk being seriously affected by the cows eating sweet clover.



INCREASED SEPARATOR EFFICIENCY

THE best cream separators often fall below expectation simply because they are not properly lubricated. The separator is your most delicate farm machine. It demands an oil especially made to suit it.

Standard Hand Separator Oil

Is just such an oil. It is made for separators and it is of just the right body to quickly reach those finely adjusted, close-fitting bearings. It protects them from all wear. It enables your separator to deliver all the butter fat. There is no better oil made for your separator. Ask your dealer for it.

THE IMPERIAL OIL COMPANY Limited
BRANCHES IN ALL CITIES

H. ARKELL W. J. ARKELL F. S. ARKELL

Summer Hill Stock Farm

Largest and oldest importers and breeders of

OXFORDS

in Canada. Look up our show record, it will give you an idea of the kind of Oxfords we have for sale.

PETER ARKELL & SONS, Proprietors, Teeswater, Ont.
Customers, beware of imitations of this advertisement.

OXFORD DOWN SHEEP Summer Hill Farm

We breed and import reg. Oxfords. Rams and ewes in any quantity for sale—all recorded. Positively no grades registered as pure-breds; also no grades handled except by order.

PETER ARKELL & CO., Prop. Box 454, Teeswater, Ont.

YORKSHIRES

Our offering never better. Champion hog winner of 12 firsts, 5 championships, 2 years showing, still at the head. Boars and sows, all ages, same breed ing as winners of export bacon in keen competition at Toronto in 1915.

WM. MANNING & SONS WOODVILLE, ONTARIO

Newcastle Tamworths and Shorthorns

Boars ready for service. Sows bred to farrow in May, June and July, others ready to breed; both sexes ready to wean. All descendants of Imp. and Championship stock. Several extra choice young bull and heifer calves recently dropped, grand milking strain; 2 bulls, six and seven months old, several extra choice young cows with calves at foot, also heifers all ages. Prices reasonable.

A. A. COLWILL, Newcastle, Ont.

Duroc Jersey Swine, Jersey Cattle

In Duroc Jerseys we have either sex of any desired age, bred from winners and champions for generations back. In Jerseys we have young cows in calf, and young bulls, high in quality and high in producing blood.

MAC. CAMPBELL & SONS, Northwood, Ont.

ELMHURST LARGE ENGLISH BERKSHIRES

From our recent importation of sows, together with the stock boar, Suddon Terredor, we can supply select breeding stock, all ages. Satisfaction and safe delivery guaranteed.
H. M. VANDERLIP, Breeder and Importer, R. R. 1, Brantford, Ontario
Langford Station on Brantford and Hamilton Radial.

Cloverdale Large English Berkshires!

Sows bred, others ready to breed; boars ready for service; younger stock, both sexes, pairs not akin. All breeding stock imp. or from imp. stock. Prices reasonable.

C. J. Lang, Burketon, Ont. R.R. 3

Lynnmore Stock Farm

Our present offering is young breeding Berkshires, both sexes and any desired age, sire and dams imported, high class in type and quality and priced right. Also one 2-year-old imported dairy-bred Shorthorn bull with official backing for generations back.

F. W. COCKSHUTT, Brantford, Ont.

Maplehurst Herd of Tamworth Swine, S.-C. W. Leghorns, and White Rocks

This herd has won about 90 percent of the prizes offered in the last ten years at the Canadian National, Toronto, Ottawa, London and the Guelph Winter Fair.

D. DOUGLAS & SONS, R.R. No. 4, Mitchell, Ont.

BERKSHIRES

My Berkshires for many years have won the leading prizes at Toronto, London and Guelph. Highclass and Sally's, the best strain of the breed, both sexes, any age.

ADAM THOMPSON R. R. No. 1, Stratford, Ontario
Shakespeare Station, G. T. R.

QUALITY IN YORKSHIRES

For sale—we have a number of choice sows bred and others in breeding and also a limited number of young boars.

RICHARDSON BROS., COLUMBUS, ONT.



WINNIPEG and REGINA and SASKATOON EDMONTON and RETURN EVERY MONDAY Proportionate to other

Electric Light

For our booklet "Guide," tickets at nearest Can. North Fairbairn, General St. E., Toronto, Ont.

CANADIAN

GRAND TRAVEL

The Grand Travel

Home Excursions

Every Tuesday

Tickets valid months including

WINNIPEG EDMONTON

Proportionately points in Manitoba and

Full particulars apply



MAIL ORDER

SEALED TEND master General, will noon, on Friday, for the conveyance a proposed Contract week over Thorndale the 1st of October. Printed notices as to conditions of sale and blank forms at the Post Office St. Mary's, and at Inspector, London. G. C. AN Post Office Department Branch, Ottawa



MAIL ORDER

SEALED TEND master General, will noon, on Friday, for the conveyance a proposed Contract week over Thorndale the 1st of October. Printed notices as to conditions of sale and blank forms at the Post Office and London, and at Inspector, London. G. C. AN Post Office Department Branch, Ottawa

HIGHEST PRICES LISTED FOR TRAPPERS' GUIDE JOHN HALLAM NO. 3 HALLAM

"1900" WA

Sent free for Write

"1900" WA 357 Yonge Street (Factory, 79-8