

Bigger Dairy Returns From Less Labor

EVERY DAIRY FARMER IS AIMING TO THIS END.

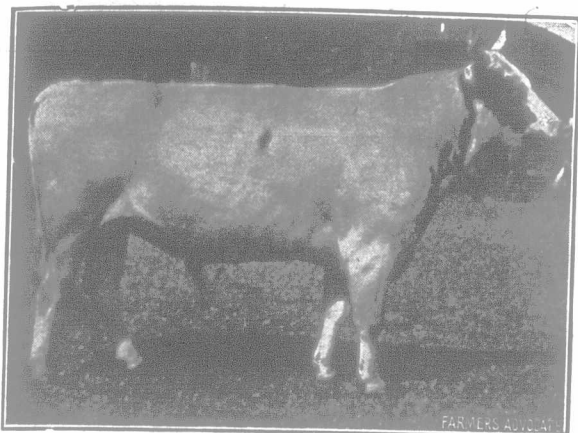
One way to accomplish it is to breed your herd to give a higher fat test and still retain the persistency in milk production.

FOR INSTANCE:

Your Herd of 10 Head may now produce 2,500 lbs. milk per week, testing 3%, but by using a sire from "high-testing blood," your herd of 10 could produce 2,500 lbs. milk per week testing 4%.

IT WOULD MEAN:

1. The same labor would do the work.
2. Only the same amount of hay and grain required.
3. The young stock would sell for more.
4. You would take a greater pride in your herd.
5. And your cash returns would be 33% higher.



HOBBSLAND MASTERPIECE (Imp.) 36717

YOU CAN DO THIS WITH AYRSHIRE BLOOD

A good way to get a start in AYRSHIRES is to buy an AYRSHIRE bull from a good-milking dam and by a sire from a good strain, and grading up your present herd. Better still, buy a good AYRSHIRE cow or heifer and get a start in pure-breds. AYRSHIRES are economical, persistent producers, hardy and thrifty, and withal sweet attractive cows you will admire. Get a start in them now before the prices get higher. For full information, write:—

W. F. STEPHEN, Secretary

The Canadian Ayrshire Breeders' Association, Huntingdon, Que.

PREPARE FOR THE DAIRY STANDARDS ACT

Now is the time to get your Ayrshire Bull, or the Cows for your foundation Ayrshire herd, at the Third Annual Consignment Sale of

50 HEAD OF PURE-BRED 50 AYRSHIRE CATTLE 50

From the herds of the

Southern Counties Ayrshire Breeders' Club

To be held at the Imperial Hotel Stables, Tillsonburg, Ont., on

THURSDAY, DEC. 28, 1916, at 1 p.m.

The offering consists of females of all ages, including a number of fresh milch cows that have either qualified or are now running in the R.O.P. test. A number of extra choice young bulls fit for service are also included. The breeding of the cattle in this consignment is of the very choicest. Note specially the breeding of the reference sires in the catalogue. The Club constitution absolutely prohibits all by-bidding or bidding in, so that everyone is assured of a fair and square deal.

Terms:—Cash or credit up to 6 months on bankable paper, with interest at 6 per cent.

W. W. BALLANTYNE, Stratford, Ont., President

JOHN McKEE, Norwich, Ont., Sec. Treas. and Sale Manager

Moore & Dean, Auctioneers

Send for Catalogue.

City View Ayrshires

Record of Performance blood in everything. Our females run from 4.15 to 5.02% fat, with a herd average of 4.55. Bull calves and bulls fit for service. Stock for sale of either sex. Prices according to merits.

JAMES BEGG & SON,

R. R. No. 1, St. Thomas, Ont.

GLADDEN HILL AYRSHIRES

Headed by Fairvue Milkman, a son of Canada's Champion Ayrshire cow, for milk and butter-fat. Milkmaid 7th, some choice young bulls from Record of Performance dams for sale, and a few females.

LAURIE BROS.,

Agincourt, Ont.



EVA OF MENIE

Ayrshires & Yorkshires

We offer 2 choice calves, grandsons of our show cow Bellsland Nan 4th, (imp.) record 14,635 lbs. milk, 582 lbs. fat. One sired by our grand-champion, Hillside Peter Pan, the other by Junior Champion Bull, at Ormstown, 1915. July and October Yorkshires. Write for prices, etc.

ALEX HUME & CO. Campbellford R.R. No. 3, Ontario

DUNGANNON FARM

Offers two ten-month-old Ayrshire bulls by Humeshaugh Prince Fortune and others younger. Write at once. Bred-to-day White Leghorn cockerels. DUNGANNON FARM, Cobourg, Ont.

Glencairn Ayrshires

Herd established 40 years. Producing ability from 8,000 to 11,022 lbs. If that sort of production appeals to you, we have heifers all ages and young bulls for sale. Thos. J. McCormick, Rockton, Ont. Copetown Sta., G.T.R.

sell at any price. The difference is largely the reward of frequent and thorough spraying.

Ontario.

The season of 1916 will be remembered as a "lean" year in Ontario. Few, indeed, are the barns bulging with a heavy crop, and fewer still the granaries and cribs creaking under a heavy load of golden grain. Hay was heavy; all other crops were light. Poor farming in some cases was, no doubt, partially to blame, but many good farmers had little, and so the weather must be blamed.

There were some lessons to be learned from this year. Five were outstanding—that underdrainage would pay on much of Ontario farm land; that early sowing is essential to heaviest yields; that mixed farming with live stock is surest; that frequent cultivation is necessary to best results with hard crops; and that more machinery must be used to take the place of men.

The man on the underdrained farm was able to get on his land and sow it long before the undrained land would carry the horses. His grain got a good start and was a fair crop. Just the other day the writer asked a man on such a farm about his crop and received the reply: "I never had a better yield." His neighbor, over the fence, had nothing on undrained land. The wet spring and drouth of summer were ruinous.

Early sowing and underdrainage go hand in hand. Early sowing always means larger yields, but the difference in 1916 was more marked than ever before. We know of a field of oats which gave two big loads to the acre this year, while the adjoining field on the same farm produced only one-half load to the acre. The land was very similar, but the first field marked the beginning of seeding, and the other was the last field sown. It pays to sow as early as the land can be properly worked.

The Ontario farmer who has no live stock this year has nothing to sell. Live stock is essential to the success of agriculture in this Province. Mixed farming means live stock, and live stock assures success.

The man who neglected cultivation

Lakeside Ayrshires

A few young bulls for sale, from Record of Performance dams, imported and Canadian-bred, sired by Auchenbrain Sea Foam (imp.) 35758, grand-champion at both Quebec and Sherbrooke. Write for catalogue.

GEO. H. MONTGOMERY, Proprietor Dominion Express Bldg., Montreal, Que. D. McArthur, Manager, Phillipsburg, Quebec

YOUNG

Brampton Jerseys

BULLS

For the next fortnight we are making a special offering on young bulls, bred from the highest producing families ever introduced into Canada. Brampton Jerseys and their descendants hold all Jersey R.O.P. records save one. Females, all ages, also for sale. B. H. BULL & SON, Brampton, Ont.

CANADA'S OLDEST JERSEY HERD

Has for sale, several exceptionally choice young bulls of serviceable age, bred on both sides with official and high-producing blood. Also yearling heifers and heifer calves.

D. DUNCAN & SON, TODMORDEN, R. M. D., Duncan, Sta., C. N. O.

THE WOODVIEW FARM JERSEYS LONDON, ONTARIO Jno. Pringle, Prop.

Canada's Most Beautiful Jersey Herd Present Offering—Some high-class bull calves ready for service, from Record of Performance dams, including grand champion bull at last Western Fair and his full brother; also cows and heifers. State distinctly what is wanted, if writing. We work our show cows and show our work cows.

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, Ontario Customers, beware of imitations of this advertisement.

BLAIRGOWRIE SHROPSHIRE AND SHORTHORNS

PRESENT OFFERING:

100 Imported Shearling Ewes 75 Canadian-bred Shearling Rams JOHN MILLER, Ashburn, Ont. Myrtle Sta., C.P.R. & G.T.R.
25 Imported Shearling Rams 20 Cows and Heifers in Calf
75 Canadian-bred Shearling Ewes 5 Bulls of serviceable age

LINCOLN SHEEP

Shearling rams and ram lambs, also a few ewes and ewe lambs; also some registered Shorthorn bulls, reds and roans. Prices reasonable. C. A. POWELL, R. R. No. 1, Ettrick, Ontario

Tower Farm Oxfords

Champion Oxford flock of Canada. Choice Oxfords of all ages for sale. Prices reasonable. E. Barbour & Sons, R. R. 2, Hillsburg, Ont.

AGRICULTURAL LIME

The farmers of England have limed their meadows and pasture lands in the fall for hundreds of years. Why?

You lime yours and the question will be answered; also lime your plowed clay land this fall. You will find it more tillable and earlier to get on to. That means earlier seeding, and be sure to seed clover where you put lime. Write us for prices, if you have no agent in your locality.

HENDERSON FARMERS' LIME CO., WOODSTOCK, ONT.

had no corn or roots; those who cultivated frequently had a fair crop. In any year frequent cultivation is necessary; in a bad year it must be more frequent and more thorough.

The Ontario farmer must use wider implements and machinery, more two-furrowed plows, and more power to help him get his work done at the proper time. This is the only way the labor shortage can be overcome, partially or completely.

The Prairie Provinces.

In a season of such abnormal weather conditions as has been experienced, it is very difficult to draw any deductions from farming operations that would definitely change methods or suggest new features to be introduced on the farms in Alberta, Saskatchewan or Manitoba. In Southern Alberta a tremendous harvest has been reaped. Farmers, even after two years of plenty, are not going to depart from their methods brought about by experiencing several years of light rainfall. Their method is to crop only one-half of the land, summer-fallowing the other half. This method has given them their heavy crops of the past two seasons. However, after ten or more years of this method of cultivation, the humus has been largely worked from the soil, and the problem of soil drifting became more acute this summer than ever before during the high winds of the early spring. To prevent this summer-fallowing is being done in strips of about 15 rods wide running north and south, the intervening strip of the same width being in crop and also by seeding down to grass. In Central and Northern Alberta there was greater or less loss from frost. This has occurred before, and to meet this, early varieties of grain must be used as well as the adoption of cultural practices that will hasten the maturity of the crop. It also means the introduction of live stock on a greater scale, but this involves a financial and economic problem that for years has been confronting the whole of Western Canada, and for which there seems no relief until the Federal Government withdraws the credit restrictions that are placed about agriculture.