



**Corn vs. Grass Silage**

The practice of preserving feed in the succulent stage in structures such as silos is not new. The development of the familiar round upright silo is largely the result of American research and extension work performed during the latter part of the last century. Since then the use of the silo has become widespread not only in the U.S. but also in the corn growing areas of Ontario.

During the past two or three years there has been a good deal of friendly argument back and forth as to the respective merits of grass and corn silage. We have heard many grass silage enthusiasts stress the high protein content of the grass silage — it has been maintained by some, that it isn't necessary to feed but very little grain and concentrate when grass silage is being fed to the milking herd.

While we do not pose as any authority we can't help but think there is a good deal of misunderstanding on the subject. It has been stated from the public platform by certain enthusiasts that their grass silage analyzed 17 to 18% protein. What they did not make clear, was that this was on a moisture free basis. Normally grass and legume silage contains approximately 75% moisture. Consequently 17 or 18% protein on a moisture free basis is the equivalent of around 4.25% protein in the silage as it is fed from the silo.

Nine Halton farmers brought samples of their grass or grass and legume silage to the annual meeting of the Halton Crop Improvement Association early last month. These samples were taken to the Dept. of Nutrition at the Ontario Agricultural College, where they were analyzed for Crude Protein, Calcium, and Phosphorus.

From the standpoint of crude protein on a moisture-free basis, they contained all the way from 9% to 15%. The lot analyzing 9% protein was in the main green oats with some legumes from the new seeding, while those analyzing 14 to 15% contained a much higher percentage of alfalfa and red clover.

The average percentage protein on a moisture free basis was 13.05. When this is converted to the basis as it is fed from the silo, the average percentage crude protein of the nine samples is 3.09%. We were therefore interested in comparing these figures with those contained in a recent release by Prof. Geo. E. Raithby, chairman of the O.A.C. Silage Committee. The figure given there for total protein for Grass silage containing some legume and no preservative is 2.94, and for Alfalfa silage and no preservative is 4.2% protein.

In the same report 2.2% total protein is the figure given for dent corn, well matured and 1.8% total protein in dent corn immature. The point we would like to make, is that neither corn nor grass legume silage can be considered protein rich feeds.

The point of argument which we think should be stressed in favor of grass legume silage is that it enables the farm operator to take off one or more meadows in early June when weather conditions are unfavorable for curing the hay. It also provides a method of disposing of making use of the lush growth of grass in pasture fields which more or less gets ahead of the cows.

The second crop from the meadow can then be taken off as hay when weather conditions are more favorable. Needless to add if the pastures are short in mid-summer such grass silage would come in very nicely as supplementary feed. It should however, be realized that in areas where corn can be successfully grown this crop when preserved as silage, yields more total digestible nutrients per acre than any other crop.

Consequently as we see it, there should not be too much argument regarding the respective feeding value of the two types of kinds of silage. There is certainly a place for both but we should not overlook the fact that quite often a poor hay year is a good corn year and consequently under such circumstances the corn crop could be a good feed insurance crop.

**Milton Community Night School**  
The popularity of Milton's Community Night School continues unabated. A. T. Woodley, chairman of the local committee. All sections of the County are represented in the enrollment of 459. Despite unfavorable road conditions on several nights this season, the average attendance to date, has been 366 or approximately 80%.

The classes conclude on March 4th, but we understand from Mr. Woodley that plans are under way

to hold an Open Night in the Milton High School, when there will be an opportunity to see something of the work which has been accomplished. Some of the committee members are already talking plans for next year and several new courses have been suggested.

**Judging Competition for the Junior Farmers at Halton Seed Fair and Bacon Show**

Halton Junior Farmers are making plans for their special section at the annual Halton Seed Fair and Bacon Show, to be held in the Milton Town Hall, on March 14th and 15th.

As in former years there are special classes for Junior Farmers, namely: Oats, Barley and Wheat. Their inter-club educational displays in former years have been a real feature of the Show. We are assured by President David Pelletier that all five Clubs are making plans to surpass their previous efforts.

The annual Judging Competition open to all Halton Junior Farmers under 26 years of age, is scheduled for Saturday morning, March 15th. This year's program provides the following three different divisions, namely: (1) Juniors, 16 years and under; (2) Juniors 17 to 20 years; and (3) those 21 to 25 years inclusive.

A. Gordon Bennett, Associate Director of Extension for the Ontario Department of Agriculture, has promised to be in attendance and assist with the junior program.

**Take A Bow, Halton!**

Returning from a "trip of a lifetime," Canada's Easo Overseas Trip Winners, Norman Tyndall, Richmond Hill, and Eugene Timbers, Milliken, arrived home by Trans Canada Airways last week from a six week's tour of Britain and the Continent. They had won the right to the overseas trip by winning the Imperial Oil Co. classes for tractor and horse plowing at the 1935 International Plowing Match, near Woodstock.

Eugene was the horse champion, and Norman the tractor champion. While overseas they competed at two plowing matches, one, the west

of England, championship plowing match at Cornwall, where Eugene won the under 21 years class; while Norman won the trophy for the best overseas (other than the British Isles) at the Irish match. The boys found the competitions extra stiff, because over there all their competitors used the high cut plow.

The boys felt that the plowing matches overseas are as popular as they are here in Canada. At the International in Ireland, over 10,000 attended in one day. In an interview with a representative of the Family Herald and Weekly Star, Norman is quoted as stating, "their International Match is more like a large County Match in Ontario—maybe Halton."

**Practical Hints On Conservation Of Budget**

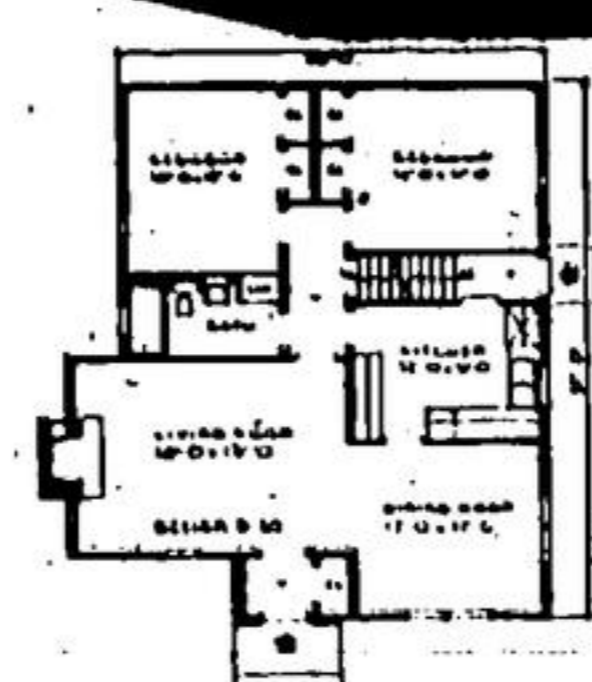
They're alike in many ways—budgets and rivers. Sometimes they're full and run smoothly; at other times they just dry up. Very often—as with rivers—it's a seasonal problem.

Many Bank of Montreal customers have come across it. Some have found that Christmas expenses make January a "thin month." Others have experienced a shortage of ready cash after paying insurance premiums or mortgage interest. And they've worked out a solution along conversation lines.

This is the way they dam the river. They open a "special purposes" account. Each pay day they deposit a fixed percentage of their major commitments, and then, when the time for heavy payments comes round, they can make them without undue strain.

If this appeals to you, why not come in and talk it over with Orme Hunt, the accountant at your local branch of the B of M? He'll be glad to help you open your own "special purposes" account.

In the year 1931, Canada counted more than 2,500,000 automobiles on the road, including 600,000 trucks.



THE DONALD has exterior lines broken by a projecting living room and dining room. The entrance vestibule is faced with brick. The

**McNABB AND SONS PURCHASE HERD SIRE FROM BRISTOL, RHODE ISLAND**

M. T. McNabb & Sons, Georgetown, report the purchase of a Junior herd sire from North Farm, Bristol, Rhode Island. This calf is Northern Comrades May King, an August calf sired by Reigeldale Emorys Conrad by Reigeldale Mel-ba's Emory and out of Douglaston Charlotte 15, 420M748F.

He is therefore a paternal brother to a bull imported by R. E. Sutton, Agincourt, and to Comrade Lady Grace twice grand champion at the R.W.F. This calf is out of Horsehoe Farm Maybelle, a daughter of Foremost Hermes.

Canada still is one of the great natural fur preserves of the world, and each year, about 7,000,000 pelts are taken.

**More Refined Zinc For Canada's Sale**

A zinc refinery in Eastern Canada—long a white hope of the Canadian mining industry—is scheduled for the green light shortly, reports the Financial Post.

It will be somewhere along the St. Lawrence waterway, but the actual location is one of the last things to be decided. Cost of initial installations placed at \$12.5 millions.

This will mean that Canada will have more refined zinc for sale—probably 75 million lbs. a year. It will spell a large reduction in expenditures for freight (concentrates run about 5% "waste") and a big saving in U.S. dollars to Canadian mining for use of foreign zinc smelting and refining facilities.

**H. S. HOLDEN**  
Optometrist  
EYES EXAMINED  
GLASSES FITTED  
7 DOUGLAS ST.  
GUELPH

**Pollock and Campbell**  
Manufacturers of  
HIGH GRADE MEMORIALS  
MEMORIAL ENGRAVING  
62 Water St., North GALT  
TELEPHONE 2448

**Harold "Mike" Coxe**  
PLUMBING AND HEATING  
EAVESTROUGHING SHEET METAL WORK  
Phones 370-R, 451-W

**LAUNDRY?**  
JUST CALL  
ZENITH 13600  
DIRECT LINE — NO CHARGE  
LAUNDRY SERVICES

**DEAD STOCK**  
HORSES - CATTLE  
HOGS  
GORDON YOUNG LIMITED

**GUARDIANS OF PEACE**



**THE LEADING INFANTRYMEN**

Canadian soldiers are playing a world-wide role to discourage aggression . . . to help guard peace. At home and overseas, our soldiers stand as — Guardians of Peace.

The Canadian Infantry Soldier is the toughest, the best equipped fighting soldier in the world today.

Recently a new specialty with extra pay and prestige was created for the Infantry Soldier. This is the **Leading Infantryman**. He is the trained Infantry Soldier. He has learnt to handle expertly the many weapons of modern infantry. He has been trained to take care of himself anywhere, any time, in any kind of situation. The **Leading Infantryman** is the most thoroughly trained fighting soldier in the Army.

Play your part in Canada's most important business today, defence. You are eligible if you are: 17 to 40 years of age, (tradesmen to 45), physically fit and ready to serve anywhere.

**Apply to the nearest Recruiting Depot:**

- No. 13 Personnel Depot, Willis House, Rideau & Charlotte Sts., Ottawa, Ont.
- No. 5 Personnel Depot, Artillery Park, Regent Street, Kingston, Ont.
- Canadian Army Recruiting Section, 90 Richmond St. W., Toronto, Ont.
- No. 7 Personnel Depot, Walsley Barracks, Elizabeth Street, London, Ont.
- Army Recruiting Centre, 230 Main Street West, North Bay, Ont.
- Army Recruiting Centre, James Street Armoury, 200 James St. North, Hamilton, Ont.

Listen to "Voice of the Army" — Tuesday and Thursday evenings — Dominion Network.

Join the  
**CANADIAN ARMY**  
**ACTIVE FORCE**  
**NOW!**

