

News And Views Of And For Canadian Farmers

LIME MAKES CLAY

The influence of lime and its compounds upon the till or texture of the soil constitutes one of its most important and valuable properties.

On light soils—sandy and gravelly loams—lime and carbonate of lime are also beneficial, but not in so marked a manner as in the case of clay.

First, may be mentioned the action of lime compound on the soil's store of inert, unavailable potash.

Secondly, lime and carbonate of lime react on the difficultly-soluble and practically unavailable phosphates of iron and alumina of the soil.

It is well known that certain crops and certain trees thrive best on soils that are rich in calcium.

The larger number of the various types or classes of soils consists mainly of disintegrated, and somewhat altered, rock particles—sand, silt, etc.

In soils destitute, or practically so, of carbonate of lime, and especially in ill-drained, waterlogged soils, the

decay of the organic matter is accomplished by the development of certain organic acids, generally classed or grouped as humic acid, and thus the soil becomes sour.

Again, there is another class of bacteria the function of which is to fix atmospheric nitrogen within the soil, namely, the Azotobacter, present so far as we know, in fertile soils throughout the world.

And, lastly, there are the nitrogen-gathering bacteria associated with the legumes—clover, alfalfa, peas, etc.

Reference may be made to the neutralizing influence of lime and carbonate of lime upon the acids which may develop in a soil.

When it comes to feeding for profit, not simply for existence, we find one man with 100 pounds of milk costing him only 59 cents for feed.

How long should a well-made farm implement last? Everything depends upon the man who owns it.

On farms where many kinds of grain are grown, there should be little or no difficulty in providing a suitable ration.

It is in the section where these can be grown, sugar beets or giant half sugar mangies may be used to form the bulky portion of the ration.

AUTUMN SOWN CROPS

Results of Experiments Conducted at the Ontario Agricultural College And on Various Ontario Farms in 1915.

About two hundred and eighty-five varieties of winter wheat and a large number of selections and crosses have been grown under experiment at the Agricultural College within the past twenty-six years.

For nine years in succession experiments were conducted in treatment of winter wheat in order to prevent the development of stinking smut and the results have been very satisfactory.

The co-operative experiments with hairy vetches and winter rye for fodder production showed that the yields in tons of green crop per acre were as follows: hairy vetches 11.1 in 1915; and in the average of four years; and winter rye 8.7 in 1915, and 8 in the average of four years.

At the same time sufficiently nutritious to cause the gain from 50 to 75 pounds in live weight during pregnancy.

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Grains are somewhat harder than those of most other white wheats. In several millings and bakings tests it has been made it has given a good yield of flour, rather low in total protein content, but containing gluten of excellent quality.

In the experiments conducted at the College in 1915 the winter wheat gave an average yield of grain of 13.5 bushels per acre over the average of twenty years.

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Results of Co-operative Experiments

Three hundred and eighty-eight farmers throughout Ontario conducted experiments with autumn sown crops during the past year.

Five varieties of winter wheat were distributed last autumn to those farmers who wished to test some of the leading varieties on their own farms.

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Distribution of Material For Experiments in 1915.

As long as the supply lasts, material will be distributed free of charge in the order in which the applications are received from Ontario farmers wishing to experiment and to report the results of any one of the following tests:

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EXPORTING EGGS.

Ontario's eggs have been some several cents below last year's price on the Toronto market, for some time in spite of the fact that the weather conditions have been favorable to the production of a good article.

However, in Great Britain there is a prevailing high level of poultry and eggs, mainly due to the shortage of supplies, caused by decreased imports since the war started.

The British Customs House returns for the eight weeks ending May 22nd show that eggs imported in the same period of 1914 were in volume 2,843,928 great hundreds, and this year 1,935,131 great hundreds, or a reduction of more than 229 millions of eggs.

It is reported by the Department of Trade and Commerce that a large demand for Canadian eggs has arisen, and several trade enquiries have recently been forwarded to the Department.

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Poultry Pointers.

Allow the hens free range. Wire in the garden, not the hens. Stronger fertility is secured from birds on range.

Remove the male birds from the flock as soon as the hatching season is over, so as to produce infertile eggs.

Infertile eggs are produced by hens having no male birds with them.

Infertile eggs keep much better than those that are fertile. The male bird has no influence on the number of eggs laid.

The hen's greatest profit-producing period is the first and second years.

February and March are the best hatching months. Chicks hatched during these months are freer from sore head than those hatched later.

Do not allow setting hens to remain in the hen-house. By so doing many eggs are started to incubate, which renders them unfit for use at home or to market.

The free use of kerosene or crude petroleum on the roosts, dropping boards, in the cracks, and around the nests will exterminate mites. Whitewash is also good.

Things Worth Remembering. That your neighbors are good people. That good neighbors are the result of good neighbors.

That no community can raise higher than the average level of its people.

That discussion, publicity and education will raise the average level of any community.

That the strongest community is the best organized one.

Not Mercenary. Mr. Gottrox—My daughters, young man, are both worth their weight in gold.

Suitor—Then the fact that I am asking you for the smaller one proves, at any rate, that I am not mercenary.

Flashes Of Wisdom. Young man, when you ask for a "chance," what do you mean? Do you mean an opportunity to make good? Nor do you simply mean a chance to get money without effort?

Half of success is grit. When intelligence is backed up by the determination not to back down, the only thing under the sun that is impossible is something that can't be imagined.—Herbert Kaufman.

Responsibilities gravitate to the person who can shoulder them, and Power flows to the man who knows how.—Elbert Hubbard.

Son Of Bishop Killed. Lieut. Gilbert Walter Lyttleton Talbot, 7th Rifle Brigade, the youngest son of the Bishop of Winchester, England, was killed on July 30th, while leading his platoon into action.

Born on September 1st, 1891, Lieut. Talbot was educated at Winchester, and Christ Church, Oxford. He was a debater of unusual skill, and about two years ago took part with Mr. Balfour in a public debate at Farnham on the subject, "Is England a decadent nation?" He was successively secretary to the Canning Club and president of the Oxford Union.

KINGSTON MARKETS

Kingston, August 28.

Table with 2 columns: Item and Price. Includes Beef, local carcasses; Beef, hinds; Beef, cuts; Beef, western; Carcass, lb.; Hogs, live, cwt.; Hogs, dressed, lb.; Lamb, spring; Carcass, lb.; Mutton, carcass, lb.; Veal by carcass, lb.; Veal by qtr., lb.

Table with 2 columns: Item and Price. Includes Bloater, doz.; Cod, steak, lb.; Finnan haddock, lb.; Eels, lb.; Haddock, fresh, lb.; Halibut, fresh, lb.; Haddock, frozen, lb.; Herring, fresh salt water, doz.; Kippers, doz.; Mackerel, doz.; Pickled, lb.; Perch, lb.; Pike, lb.; Rockfish, lb.; Salmon, Saguenay, lb.; Trout, salmon, lb.; White fish, lb.; Suckers, lb.

Table with 2 columns: Item and Price. Includes Chickens, pair; Chickens, live, lb.; Ducks, lb.; Hens, dressed, lb.; Hens, live, lb.; Turkeys, lb.

Table with 2 columns: Item and Price. Includes Butter, dairy; Butter, creamery; Butter, rolls, lb.; Cheese, old, lb.; Cheese, new, lb.; Eggs, fresh, doz.

Table with 2 columns: Item and Price. Includes Bananas, doz.; Cantaloupe, doz.; Cucumbers, each; Grapes, lb.; Huckleberries, doz.; Lawton berries, box; Lemons, Messina, doz.; Peaches, doz.; Plums, doz.; Nuts, mixed, lb.; Oranges, doz.; Tomatoes, lb.; Watermelons, each.

Table with 2 columns: Item and Price. Includes Beets, bush; Cabbage, new, lb.; Celer, bunch; Lettuce, bunch, doz.; Onions, green, bunches, doz.; Potatoes, bush; Parsnips, bush; Rhubarb, bunch; Turnips, bag.

Table with 2 columns: Item and Price. Includes Barley, bush; Bran, ton; Buckwheat, bush; Corn, yellow feed; Corn, cracked, cwt.; Corn, meal, cwt.; Flour, cwt.; Hay, baled, ton; Hay, loose, 1700; Oats, local, bush; Oats, Man., bush; Spruce, baled, ton; Straw, loose, ton; Wheat, bush.

Table with 2 columns: Item and Price. Includes Beef hides, cured, per lb.; Beef, hides, green, lb.; Heavy bulls, lb.; Veals, green, lb.; Deacons, each; Tallow rendered in cakes; Kips or grassers, lb.; Calf skins, per lb.; Lamb and shearing, each; Sheep skins, each, up to; Horse hides, each, up to.

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Hair Grower and Beautifier. Recommended by Leading Druggists Throughout Canada. Your money will be refunded without any haggling or red tape if you find it after using Parisian Sage you do not say it's the best all round tonic and hair dressing you ever used.

GORIZIA NOW WAR CENTRE. Is Famed As the Last Resting Place Of Kings. Mentioned almost daily in the war despatches from the Italo-Austrian front, the little town of Gorizia has gained considerable prominence of late.

Deafness Cannot be Cured. By local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional treatment.

and Navarro. Born in Paris, Sept. 29, 1826. Died at Prosdorf Aug. 24, 1883. Over his tomb is raised an immense white banner emblazoned with the royal fleur de lis, in compliance with the order given by the count in his manifesto of July 6th, 1871, where he expressed a wish "that the standard of Henry IV., of Francis I. and of Joan of Arc, which had floated over his cradle, should also throw its shadow over his tomb."

Allen's Cough Balsam recommended for Children's Bronchial Colds. Relieves the tightness—Doesn't nauseate. 25¢ 50¢ and 100¢ bottles. Labatt's INDIA PALE ALE. Not a Useless Intoxicant, but a WHOLESOME BEVERAGE with dietetical and medicinal uses. MADE AS GOOD AS WE CAN MAKE IT. JOHN LABATT, LIMITED LONDON - CANADA. James McParland, Agent, 339-341 King St. East.

CHARM CEYLON TEAS. 35c, 40c, 50c, 60c, Lb. Charm Coffee, 40c Lb. For Sale at All Grocers.