

THIS BARREL
 Contains flour guaranteed to give satisfaction or you get your money back. Regal Flour is always preferred by careful cooks because it insures good bread always—and palatable as bread can be made.

REGAL FLOUR



MAKE NO MISTAKE. Always insist upon Regal Flour and you can be sure of the quality.

THE ST. LAWRENCE FLOUR MILLS COMPANY LIMITED. MONTREAL

FERTILIZERS

We all know the principal fertilizing elements lacking in our soils are nitrogen, phosphorus and potash. More of these elements are used by plants than of any others although many other elements enter into the composition of plants.

When we purchase commercial fertilizers we are buying simply these three elements in one combination or another. The higher the grade the greater the percent of these plant food elements. This year, and probably for several years, we cannot hope to get potash at a reasonable rate, in fact this year bought it is in small amounts if it is in the mixed fertilizer not more than 20 pounds of actual potash in a ton and you will likely have to pay at the rate of \$200.00 a ton for Muriate of Potash that such a fertilizer may contain.

Our commercial fertilizers therefore, this year contains only two of the three principal elements, nitrogen and phosphorus.

The nitrogen in a fertilizer may be obtained from one of three sources, nitrate of soda, sulphate of ammonia, or animal tankage and bonemeal. Many of our mixed fertilizers are composed pretty largely of tankage. Probably tankage and bone gives us our cheapest nitrogen at the present time.

The nitrogen in animal fertilizers such as tankage (tankage is made from the waste materials from slaughterhouses) and bone are not so quickly available as is the nitrogen in nitrate of soda or sulphate of ammonia. The animal fertilizers must be acted upon by the soil organisms causing decay and rot before the plant can make use of it. The nitrate of soda and sulphate of ammonia are much more quickly available; in fact, the former can be used as soon as it is dissolved by the soil waters.

It should be kept in mind that animal fertilizers such as bone or tankage are not likely to give up all their food constituents the first year, whereas, nitrate of soda and sulphate of ammonia are likely to be used up during the first crop.

The three principal sources of phosphorus is slag, acid phosphate and bonemeal. These can be divided into two groups

the acid phosphate containing phosphorus most quickly available, and slag and bone with the phosphorus least available. The most of the plant food is acid phosphate the first year whereas, in bone and slag this may not be the case.

From what has been said it will be seen that if we are fertilizing for the present crop only nitrate of soda and acid phosphate are likely to give the best results, whereas, if we are fertilizing having in view the following crop it may be more economical to use slag and bone. The more acid the soil as a rule the more phosphorus will be available from slag the first year.

In addition to the element-mentioned above reference should be made to lime which is being used quite extensively at the present time. It should be kept in mind that lime will not make up for a deficiency in the elements already mentioned. Without a doubt lime assists in making available some of the soil potash but to make available the potash with a shortage of the other two elements will not increase our crop yields. We have found little gain from lime on our poor soils but quite marked gain on soils fertilized with the three elements mentioned.

The great gain from lime is that it produces conditions in the soil suitable for plants by correcting soil acidity, and for this reason will pay for its use on many of our soils. Some of our soils are decidedly deficient in lime in which case liming pays from supplying this element which enters into the composition of plants to a considerable degree. We find that our soils are often decidedly acid and lack in lime in which case the lime in addition to other plant food is essential if we hope to get a satisfactory growth, particularly of clover, for clover does not do well on acid soils or soils strikingly deficient in lime.

Basic Slag contains quite a percentage of lime and for this reason for seeding down it has quite an advantage over acid phosphate on many soils. Acid phosphate has a tendency to make acid soils more acid whereas slag has the opposite effect.

Sulphate of ammonia renders the soil more acid and hence it will not give as good results on

our acid soils as nitrate of soda and the clover crop is not likely to be as good following its application as it would if nitrate of soda is used unless lime is to be applied.

Nitrate of soda contains about 15 per cent of nitrogen, a ton would therefore contain 300 pounds of nitrogen which costs \$75.00 or .25 cents per pound. We usually advise 190 pounds of nitrate of soda per acre for grain crops which would cost as present prices \$3.75, 400 pounds of average bone will give the same amount of nitrogen as 100 pounds of nitrate of soda. Bone contains approximately 3 per cent of nitrogen, it will be remembered that this nitrogen may not be all available during the first year, the finer the bone the more rapidly does it become available.

We usually advise 300 to 400 pounds of acid phosphate or 400 to 500 pounds of slag per acre for grain crops.

The acid phosphate contains 15 per cent phosphorus and the slag 12 per cent. The former costs \$24.00 and the latter \$16 per ton. The reason for the advance in the acid phosphate is that sulphuric acid used for treating the rock has become scarce due to the War and has doubled in price. The phosphorus in the acid phosphate costs 8 cents per pound, while in slag it costs 6.66 cents. It should be kept in mind however, that the phosphorus in the former is more profitable due to giving the plant a quick start. The 300 pounds of acid phosphate would cost \$1.20 per hundred or \$3.60. The 400 pounds of slag at .80 cents per hundred \$3.20.

Bone contains approximately 20 per cent phosphorus and 1 ton would have 400 pounds of phosphorus in addition to the nitrogen which it contains making it worth \$26.66 for its phosphorus plus 3 per cent nitrogen, or 60 pounds in 1 ton at .25 cents \$1.00 a total value of \$41.60 per ton. Bone I believe is offered at \$33.50 or \$1.66 per hundred so that the nitrogen and phosphorus in it is really cheaper than nitrate of soda and slag.

A 4-10 mixture offered by the Fruit Companies for \$33.00 or 1.65 per hundred would on the basis of nitrogen value in nitrate of soda and slag be worth \$33.33. The 4-10 mixture means 4 per cent nitrogen or 80 pounds in 1 ton and 10 per cent phosphorus or 200 pounds in 1 ton.

80 pounds nitrogen @ 25 cents \$20.00
 200 pounds phosphorus acid @ \$6.66 \$13.33
 Total \$33.33

400 pounds of bone per acre would give approximately 12 pounds of nitrogen @ 25 cents \$3.00 and 80 pounds of phosphorus at \$6.66 cents \$5.33. Total \$8.33.

100 pounds nitrate of soda as contains 15 pounds nitrogen stated above is worth \$3.75 and 300 pounds acid phosphate containing 45 pounds of phosphorus is worth \$3.60. Total \$7.35.

100 lb nitrate of soda containing 15 lbs nitrogen . 3.75
 400 lbs slag containing 48 lbs phosphorus @ \$6.66 . 3.20
 Total \$6.95

400 lbs of 4-10 Fruit Companies fertilizer would contain 16 lbs nitrogen @ 25 cents 2.66
 40 lbs of phosphorus @ \$6.66 6.66
 It will be seen therefore, that the 4-10 mixture is as cheap as any, but to offset this you have probably considerable material not quickly available, and in many cases you may have decided advantage from the use of slag that does not result from the 4-10 mixture.

You will also see that in the bone you are getting practically double the phosphorus you are getting practically double the phosphorus you have in the other combinations! It is necessary to use 400 pounds to get the required nitrogen however.
 W. S. BLAIR.

Keep Minard's Liniment in the house.

Gin Pills FOR THE KIDNEYS

How They Relieve
 Hardfield, N. B.
 "It affords me great pleasure to convey not only to you but to all sufferers from Backache and Rheumatism, the great relief I have obtained from the use of Gin Pills. I feel thankful to you. I recommend Gin Pills to everyone suffering as I did."
 ROBERT M. WILSON
 Gin Pills are 50c. a box or 6 boxes for \$2.50 at all druggists. Free sample on request to
 National Drug & Chemical Co. of Canada Limited, Toronto.

NOTICE

Bring your Carriages and Automobiles in and have them touched up. The proved appearance will light you

House Painting Agent to Benjamin Moore's Paints

Auto Painting AUBREY YOUNG Paint Shop opposite Aberdeen

Digby Conservatives Nominate Candidates

Digby April 26—At a Conservative convention held in Weymouth this afternoon, Walton K. Tibert, principal of Bear River Academy, and Felix Gaudet, of Ohio, Clare, were selected as the candidates to contest the County in the next Provincial elections.

Mr. H. H. Marshall, the present member, wished to retire for personal reasons.

108 Nox a Cold IN ONE DAY

The best Cough Medicine for children. 25c per bottle, at Clark's Drug Store.

All Rebel Leaders Have Surrendered.

London, May 1—Official announcement was made this afternoon that all the rebel leaders in Dublin had surrendered.

Wonderful Hair

Clean and free from dandruff and possessing all the radiance of perfect hair. This is just what Sagine means to those who suffer with itching scalp, dandruff, coarse, dry or common looking hair. Sagine is new life to faded unattractive hair. Sagine feeds the hair root with the necessary food for promoting a healthy growth. Sagine is the simplest tonic you could wish for. It is not a dye and is not sticky or greasy. A large shaker top bottle costs only 50c, and Mr. Clark gives his personal guarantee to refund the money if you are not entirely satisfied. Be sure to go to Clark's Drug Store as other stores cannot supply you.

MAJOR AXOLINE.

My stallion, Major Axoline, will stand at owners stables, Greenwood, every other week commencing May 1st.

F. L. ROBINSON, Greenwood, April 22nd.

For Sale—A Sabledom Mare 6 years old; sound and kind; weight about 1050. J. A. Magee, Port Williams. 2 a x

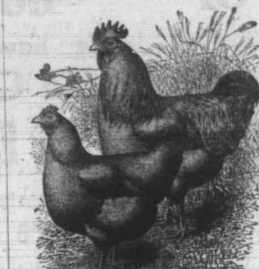
Minard's Liniment Co., Ltd.

I was very sick with Quinsy and thought I would strangle. I used MINARD'S LINIMENT and it cured me at once. I am never without it now.

Yours gratefully, MRS. C. D. PRINCE, Nauwigewauk, Oct. 21st.

Eggs for Hatching.

From the best prize winning Rhode Island Reds in the Maritime Provinces



The male which heads this pen won 1st at the Amherst fair 1914 and 1915, also Kentville show 1915 and 1916, and Halifax and P. E. Island 1915 was never defeated. Eggs from this pen \$3.00 per sitting
 Rose-Comb Reds \$2.00
 White Leghorns \$1.00
 Buff Oringtons \$1.00
 Apply E. C. GRIFFIN, Port Williams, N. S.

1916 Martin 1916

Clothing Cleaned and Pressed

Mens 3 piece Suit C & P.....75c
 Mens 2 piece Suit C & P.....50c
 Ladies Suits Cleaned and Pressed.....25
 Ladies Jackets Cleaned and pressed.....25c
 Repairing a Specialty
 No waiting
 All work promptly done

R. P. MARTIN

Opposite J. D. Clark's Drug Store
 Open Evening
 Webster St., KENTVILLE, N. S.

SMALL FRUIT FARM FOR SALE

Well situated, near Port Williams, consisting of 4 acres all in Orchard, 2 acres of fruit trees in full bearing and 2 acres just coming into bearing. Good house and outbuildings. Will also sell stoves and Parlor Grand Organ. Only reason for selling—going away.
 Apply on premises.
 at WILLIAM C. THROOP,

VALUABLE FARM FOR SALE

Farm is finely situated at Sheffield Mills with a total of about 125 acres. A fine orchard of 7 acres, 5 acres now producing an average of 400 bbls fruit; 40 acres cultivated land, 20 acres of pasture with 2 streams, 60 acres woodland (hardwood) Farm now cuts 20 ton hay, can be increased. House, good repair, 9 rooms, 2 barns, hog pen and fowl house. Farm is good location and soil good clay loam. Permanent running water in house and barn. Good reasons for selling. Easy terms. Persons desiring a good farm at a small and reasonable figure apply at once to H. G. HARRIS,

FOR SALE

One Mare, useful, low-set, weight 1250 lbs.
 Strawberry Plants—Senator Dunlop, \$3.00 per thousand; \$2.75 per thousand in 5000 lots. Ten bushels of Buckwheat, Silver Hull. Apply A. PILCHER, Look-Off, Pereaux

For Sale—Twenty good lusty Barred Plymouth Rock Cockerels, sons of "Canadian Boy," the bird that won First Prize as cockerel in 1915 and First as Cock, in the 1916 Show, Kentville. Price \$2.00. Elm Farm Poultry Yards, 41 sw Canning, N. S.

For Sale—Senator Dunlop strawberry plants. This variety is self fertilizing and will prove satisfactory on all soils. Rufus S. Newcombe, Brooklyn 11 June



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Our store is a photographers. Our line of Ansco quality, \$7.50 and there is the Ansco Film, the Cyko, the prize of all is our u Look for the A

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Your term mon or High soon be over. decided where tend next year no entrance here. Each is cording to c You can be the end of a have had ov for Maritime the New Year like more write to

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SEA

A fresh supply OYSTERS on h A good supply Fresh and Salted

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 J. D. YOU

Having purcha ty occupied by Spray Co. on Kentville, I pur Wood Working with all necess All persons R Done should ments for h the premises unafactured inco as required. M ing April 1st. ticulars and wh Apply to A. B. Kentville. July