

Nitrate of Soda

Test with Mangels at the Ontario Agricultural College.

Plot No. 2

Acid Phosphate 400 lbs.
Muriate of Potash 200 lbs.
Yield per acre 30 tons 1450 lbs.

John's Confession

"David" he said, "I must confess that I thought you were a fool when you sent away one hundred dollars of your good money for that Nitrate of Soda last spring."

"And when I saw you scattering it on that field afterwards to give the young plants a good start, as you said, it looked to me foolishness with a taint of madness."

"For," I said to myself, "how can any man in his senses believe that a hundred pounds or so of salty looking stuff like that scattered over an acre of ground can do any good?"

"Seeing is believing, however. I have been watching the results closely and I acknowledge now that I was the foolish one. From the very first your crop has gone ahead of mine. Your yield will be twenty more bushels to the acre than mine I should think."



Test with Mangels at the Ontario Agricultural College.

Plot No. 3

Nitrate of Soda 250 lbs.
Acid Phosphate 400 lbs.
Muriate of Potash 200 lbs.
Yield per acre 35 tons 850 lbs.

Note.—An increase of nearly five tons due entirely to the use of 250 lbs. of Nitrate of Soda.

David's Reply

"John," David replied, "I have been expecting this speech from you for quite a while past. I know you and the neighbors have many a joke over my fantastic ways of farming. It would be strange if you didn't for I like to do things in my own way—and they are sometimes queer ways."

"I have a confession to make too. I know I was exposing myself to more ridicule if I failed, to say nothing about losing money—and it is far easier to suffer the loss of money than to endure ridicule, as I have learned by experience."

"But I have a great respect for the teachings of Science. All the experimenters agreed that Nitrogen in the form of Nitrate of Soda was the very best thing to use for a backward crop in the spring—and mine, as you know, needed a bit of forcing, as did yours."

"Here certainly is a fine yield—40 or 45 bushels to the acre instead of 20 or 25 I should think, thanks largely to the Nitrate of Soda that I used as a spring top-dressing."

Advantages of Using Nitrate of Soda

It stimulates the rapid growth and early maturity of most garden crops. It makes plants resistant. Plants made strong by vigorous early growth can better resist drought, attacks of insects and plant diseases.

It increases yields of special crops. It is of great importance in the production of sugar beets, fibre plants, fodder crops and tobacco.

It improves pastures and meadows. Applied as a top-dressing it increases the growth of the grasses and clovers greatly.

Sometimes crops are checked in their spring growth owing to the delayed action of the soil bacteria. The Nitrate keeps the plants growing until the soil is stirred into full life.

It provides the highest-priced ingredient of complete fertilizers. Phosphoric Acid and Potash which are required by plants as well as Nitrogen, are not so costly as the Nitrogen nor are they so often lacking in our soils as is Nitrogen.

It forms basis of fertilizer mixtures. It is estimated that ready-made fertilizers cost from 25 to 35 per cent more than home-made mixtures. The scientific agriculturist will buy his supplies of Nitrate of Soda, Acid-Phosphate and Potash separately and make such mixtures as he knows his soils and crops require.

Nitrate of Soda supplies Nitrogen to plants even more readily than does manure. Backward pastures are stimulated into vigorous

growth. Struggling fall wheat or spring crops are forced to grow; they do not have to wait for the bacteria to unlock the stores of plant foods held in the soil. Trees in the orchards attain a richer leafage. Vegetables in the garden shoot ahead. Lawns are made greener and richer.

A comprehensive report on "Nitrate of Soda, its nature and use in agriculture," has been prepared by the Dominion Department and appeared in this publication two weeks ago. It has been prepared by Frank T. Shutt, M.A.D.Sc., Dominion Chemist, and B. Leslie Emslie, F.C.S., Supervisor of Investigational Work with Fertilizers. Write to-day for a copy of this report. It shows the value of purchasing fertilizers in pure form.

Price and Instructions for Ordering.

The Price is \$82.00 per net ton in carload lots, f.o.b. cars at shipping point. The Board reserves the option of selecting the shipping point.

In less than car lots the price will be \$9.00 per bag weighing approximately 200 lbs. each, f.o.b. shipping point. Minimum shipment five bags.

All orders must be sent to Imperial Munitions Board, 56 Church St., Toronto, and each order must be accompanied by a marked cheque or money order for full amount of the purchase. Cheques and money orders should be made out in favor of Imperial Munitions Board, and must be payable at par in Toronto. In ordering please give full shipping directions including your Post Office address, name of railway and of your nearest railway station. All shipments will be made promptly. Freight charges will be collected on delivery.

Imperial Munitions Board, 56 Church St., Toronto, Ont.

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Rules for Departments: (1) Paper only. (2) With communication the real name and place it in stamp. (4) Allow one answers to ques

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