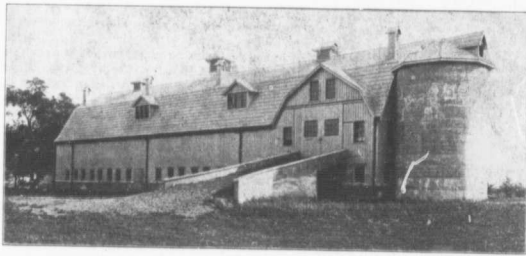


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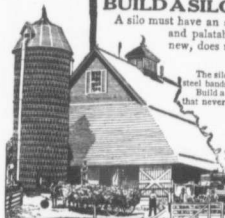
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Fertilizer Experiments (Continued from last week)

Down east some large yields were obtained with potatoes, notably that of A. Hutchinson, South Esk Boom, N. B., whose plots yielded the following: Plot 1, 240 bush.; Plot 2, 324 bush.; and Plot 3, 288 bush. an acre. We received an unsolicited report from Mr. Robert Wilson, Little Bras D'Or, C.B.N.S., of an experiment he conducted on his farm during the past season. He applied manure heavily on all three plots. In Plot 1 no artificial fertilizer was applied. On Plot 2 he applied 400 pounds of Basic Slag per acre, and on Plot 3, in addition to the Basic Slag, he applied 100 lbs. Sulphate of Potash. Mr. Wilson reported that the yields from Plots 1 and 2 were just ordinary, but when he came to harvest plot 3 he was amazed at the enormous yield, and called over some neighbors to witness the harvesting of the remainder of the plot. When the plot was finally turned over and the tubers measured they found that the plot had yielded at the rate of 735 bush. per acre, and there were very few small potatoes.

Good crops generally respond readily to good applications of artificial fertilizers and are probably the most suitable crop to fertilize in an ordinary rotation. Mr. P. Proulx, St. Hugues, Que., obtained the following yields on ensilage corn: Plot 1, 9 tons; Plot 2, 18, and Plot 3, 14 tons an acre. Plot 2 gave a profit of \$42.60 and Plot 3 a profit of \$22.85, after deducting cost of fertilizers. In parts of Ontario the season was far too dry to obtain good results in so far as high yields were concerned. Mr. J. G. McPharlin, Essex, Ontario, obtained 57 bush. from Plot 1, 75 bush. from Plot 2, and 64 bush. from Plot 3. The fertilized plot in each of these instances showed a substantial increase over the unfertilized plot. Remarkable results were obtained on mangels by Mr. C. D. Goyette, Cowansville, Que., his unfertilized plot yielded 337½ bush.; Plot 2, "complete fertilizer," yielded 1,666 bush.; and Plot 3, without potash, 840 bush. an acre. Plot 2 showed the tremendous increase of 1,328½ bush. an acre, and a gain of \$253.

Mr. John Riggs, of Merton, Ont., obtained the following results on sugar beet mangels: Plot 1, 420 bush.; and Plot 2, 900 bush.; and Plot 3, 520 bush. Plot 2 showed a gain of 480 bush. over Plot 1, and a gain of \$37.50. Mr. T. W. Lamb, Walkerton, Ont., obtained 619 bush. from Plot 1, 866 from his complete fertilizer plot and 702 bush. from his plot without potash. Plot 2 showed a gain of 247 bush., and Plot 3 a gain of 83 bush.

Some of our experimenters choose grain crops for their experiments. Should the root crop, which is followed by grain have been fertilized, the residue left in the soil will not be cases be sufficient for the grain crop; for it must be remembered that the fertilizers are not used up in the first season and the effects are often seen up to the fourth year and in some instances even longer. Grain crops directly fertilized have to show a very large increase in order to satisfy some as to the undoubted profit from the

use of fertilizer is best when the root crop is in "Touling" it will quite so from a drier to the gra-

Mr. R. Mc obtained the barley: Plot 1, 50 bush.; and Plot 2, 50 bush.; and Plot 3, 50 bush.; and Plot 4, 50 bush.; and Plot 5, 50 bush.; and Plot 6, 50 bush.; and Plot 7, 50 bush.; and Plot 8, 50 bush.; and Plot 9, 50 bush.; and Plot 10, 50 bush.; and Plot 11, 50 bush.; and Plot 12, 50 bush.; and Plot 13, 50 bush.; and Plot 14, 50 bush.; and Plot 15, 50 bush.; and Plot 16, 50 bush.; and Plot 17, 50 bush.; and Plot 18, 50 bush.; and Plot 19, 50 bush.; and Plot 20, 50 bush.; and Plot 21, 50 bush.; and Plot 22, 50 bush.; and Plot 23, 50 bush.; and Plot 24, 50 bush.; and Plot 25, 50 bush.; and Plot 26, 50 bush.; and Plot 27, 50 bush.; and Plot 28, 50 bush.; and Plot 29, 50 bush.; and Plot 30, 50 bush.; and Plot 31, 50 bush.; and Plot 32, 50 bush.; and Plot 33, 50 bush.; and Plot 34, 50 bush.; and Plot 35, 50 bush.; and Plot 36, 50 bush.; and Plot 37, 50 bush.; and Plot 38, 50 bush.; and Plot 39, 50 bush.; and Plot 40, 50 bush.; and Plot 41, 50 bush.; and Plot 42, 50 bush.; and Plot 43, 50 bush.; 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