QUICK LIME.

time, or fresh burnt lime, is more active than the carbonate and, where there is a great deal of acid to neutralize, it may be preferable of forms. It hastens the decay of the organic matter. On deep swamp is may be a decided advantage, but on light arable soil it may be a distinct Unless there is a large amount of acid to neutralize, it should not at heavier applications than about a ton per acre. This may be dropped on the field at convenient distances for spreading, covered with a little blowed to slake, and then spread with a shovel. It should not be plowed it doroughly worked into the soil by surface cultivation.

MARI AND CARLONATE OF LIME.

Var is rich in carbonate of lime and may contain traces of phosphoric acid. marl beds in this Province are associated with our swamp lands. The it care of lime is simply ground limestone cock. Some experiments seem to I as that the dolomite rock is more valuable as a fertilizer than the purer the secure quick results limestone should be finely ground. We ne, however, large quantities of dust from the stone crushers preparing stone residuaking that is very suitable for this work. It is not all fine enough to act a k.v. but nearly 50 per cent. of it will pass through a sieve with 10,000 openis to the square inch. This material can be procured at 50 cents per ton in aroad lots. The freight charges will, in many cases, be greater that of the materials; consequently, as it can be procured in a number of be Province, care should be exercised in purchasing at the nearest point and has reduce the cost of transportation. In applying ground limestone rock it s well to remember that it takes practically two tons of this material to supply s much calcium as one ton of quick lime. The ground rock is not so active s the quick lime and therefore may be applied in very heavy quantities without take any harm.

GYPSUM.

Gyps in, land plaster, or sulphate of calcium, exerts a similar effect to that ame in improving the mechanical condition of clay soils. It serves as a source fealum, as a plant food, and it serves to stimulate the beneficial soil organisms the roots of leguminous plants like the clovers, alfalfas, peas, beans, etc. In the ways it acts in the same manner as lime, but gypsum will not, like lime. The tor neutralize the acid of a soil. Nor does it hasten the decay of organical after as does the quick lime. As an aid to the growth of the legumes it may applied at the rate of 300 to 500 pounds to the acre. If used to "lighten," there is the physical condition of clay soils heavier applications will be asset.

SALT.

Agricultural salt was formerly used in this Province in considerable quantities, out of late years very little has been applied. It supplies no essential plant food constituent and its value appears to be due to indirect action, and thus it acts more as a stimulant.

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