

MAGUIRES

'Agriculture Made Better'

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ROCK CHEMICAL FILLERS
PRIVATE LIMITED
• Quality • Reliability • Value

DATA SHEET

RCF AGRICULTURAL LIME

CALCITIC LIME – HIGH CALCIUM

(CALCIUM CARBONATE)

(CaCO₃)

GENERAL DESCRIPTION

Definition of Lime: By proper chemical nomenclature, lime is Calcium Oxide (CaO) but commercially, lime is understood to mean the product of complete calcinations of limestone, which may vary from pure calcium carbonate CaO₃.MgCO₃, thus commercial lime many contain as high as 45% of magnesium oxides MgO as well as such impurities as silica, iron oxide and aluminium. Farmers need no introduction to RDF Agricultural Lime. After drainage, it is the most important aspect of soil husbandry farmers throughout the world have recognized as playing a major role in overall profitability. There are two basic types of limestone used for lime manufacture, high Calcium-Calcitic and high Magnesium-Dolomitic. The only difference is that the dolomitic types are a combination of elements calcium and magnesium in varying percentages, whereas high calcium limes contain less than 5% MgO down to ½ %. In either case a pure form of limestone of at least 97%, combined carbonate content is needed to make a sellable lime, barring a few exceptions.

WHY RCF LIME?

The main purpose of lime and calcium carbonate is to bring the soil into a **FIT STATE** for beneficial bacteria to convert organic matter in the soil into plant foods and prevent the growth of **harmful fungi**.

CHEMICAL ANALYSIS %

CaCO ₃	MgCO ₃
%	%
90.98	1.87

PHYSICAL PROPERTIES

SEDIMENTARY ROCK CONSISTING LARGELY OF CALCIUM CARBONATE AND CONTAINING NOT MORE THAN 15% OF MAGNESIUM EXPRESSED AT MgO AND OF WHICH 100% WILL PASS THROUGH A SIEVE OF 5MM, NOT LESS THAN 95% WILL PASS THROUGH A SIEVE OF 3.335MM AND NOT LESS THAN 40% WILL PASS THROUGH A 150MICRON SIEVE.

APPLICATION

Agriculture & Horticulture:

RCF Agric Lime's most important function is to adjust the soil to the hydrogen-ion concentration, or pH which constitutes the best environment for soil bacteria which convert otherwise unavailable nitrogen into a form ready assimilable by the plant.

It aids the decomposition of waste vegetable matter, and by reducing acidity, it retards or even prevents the development of harmful organisms which thrive in acid soils, such as the type which promote 'club root' in the cabbage family.

RCF Agric Lime improves the texture of the soil and renders it more workable.

RCF Agric Lime deficiency will result in low yields from crops sensitive to it, such as sugar beet, barely, turnips, sprouts, cabbage, banes and similar market-garden crops.

SAFETY

RCF Agricultural Lime is strongly alkaline and has a saturation pH of 12.4 in an aqueous solution

Neutralizing Value 98

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This information has been obtained from numerous sources and is for guidance only. No guarantee is given on implied. Purchases should conduct their own tests to determine suitability of each product for their particular purpose.