



BioLime

A high grade, finely ground available
Calcium

BioLime is a high grade, finely ground, highly soluble **calcium** carbonate suitable for agricultural liming programs.

BioLime is also used as the base for Optima Agriculture's **Premium Agricultural Blends**.

Available calcium and pH are two major factors when considering what liming product is the best and most cost effective for use in a cropping/pasture program. Many negative soil factors can be ameliorated by the addition of quality liming products.

Calcium is one of the most important plant nutrients - essential for the development and stability of plant cell walls, maintaining structure and permeability of cell membranes and regulating some plant stimulus responses. Calcium is necessary to enable plants to cope with abiotic and biotic stresses such as water deficit (it is instrumental in stomatal closure which reduces loss of plant water), heat shock and chilling, excess water, low soil temperatures, lack of soil oxygen in compacted soils and pathogen attack. **Calcium** also assists soil mechanisms to ameliorate the effects soil acidity, salinity and aluminium toxicity. Plant available calcium is a key component in successful plant nutrient management. Additionally and importantly, soil microbes require **calcium** as an essential food source.

Optima Agriculture continually monitors the latest available research into the best practices and blending of liming products to achieve optimum results. Recent research has demonstrated that the addition of humates, fulvates and solubilising agents in calcium carbonate blends have achieved superior results in scientific trials.

BioLime is designed for use as the basis of a complete soil and plant nutrition program. Blending of additional products is undertaken to enhance the benefits of *BioLime*.

Most Australian agricultural soils are naturally acidic. Liming is essential to improve productivity, nutrient uptake and ameliorate ongoing acidity additions from acid-based fertilisers.

As with any product, applications of less and more often are much more beneficial than one large application. Please call to discuss your individual paddock requirements.

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