



Penlime™

The cost effective, quality lime formulation for soil conditioning...



SOIL DEGRADATION

Soil acidification is a natural process, accelerated by some agricultural practices. In some regions, there has been a drop of pH over the last 10 years. Already, some farming areas have lost the ability to grow certain agricultural species because the soil is too acidic.

SOIL ACIDIFICATION

Soil acidification can be described as a sleeping giant. Symptoms of reduced growth in acid soils are often not easy to identify and can be explained away by other factors such as a poor season or lack of fertilizer. It is only over a period of time that major problems become apparent.

In most grazing systems, acidification processes work unnoticed - until pasture productivity declines. The rate of acidification in pastures depends on the species grown. In cropping systems, reduced yields are more obvious.

The solution is...

Penlime™

The solution to soil acidification is the regular application of **Penlime™** soil conditioner. If preventative or remedial strategies are put in place, acidification can be slowed down or soil pH adjusted so that a wide range of plant species can be successfully grown.

Penlime™ soil conditioner is a naturally crushed, calcium carbonate. Calcium is essential for the development and stability of plant cells. It is necessary to enable plants to cope with abiotic and biotic stresses such as deficiency in water, heat shock, excess water, chilling, low soil temperatures and lack of soil oxygen in compacted soils. It is also instrumental in alleviating soil acidity, salinity and aluminium toxicity.

BENEFITS

- ✓ Clean to handle
- ✓ Mounds up easily
- ✓ Spreads evenly
- ✓ Less likely to move excessively during spreading thereby reducing waste
- ✓ Improves poorly structured, calcium deficient soil
- ✓ Helps to improve crop yield
- ✓ Enhances pasture productivity
- ✓ Treats grass tetany
- ✓ Helps the sustainability of Australian agriculture



Penlime™

TYPICAL ANALYSIS (2016)

		%
Calcium	Ca	38.23
As Calcium Oxide	CaO	53.49
As Calcium Carbonate	CaCO ³	95.47
Magnesium	Mg	0.44
As Magnesium Oxide	MgO	0.72
As Magnesium Carbonate	MgCO ³	1.51
As CaCO ³ equivalent	CO ³	1.80
Sulfur	SO ⁴ -S	0.07

PARTICLE SIZE DISTRIBUTION	SIEVE SIZE %
>850 Micron	39.6
<850 Micron	60.4

TNV - TOTAL NEUTRALIZING VALUE
(in terms of CaCO³) 97%

Kgs Effective Ca per tonne	382.31
Kgs Effective Mg per tonne	4.36
Kgs Effective S per tonne	1

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Company
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