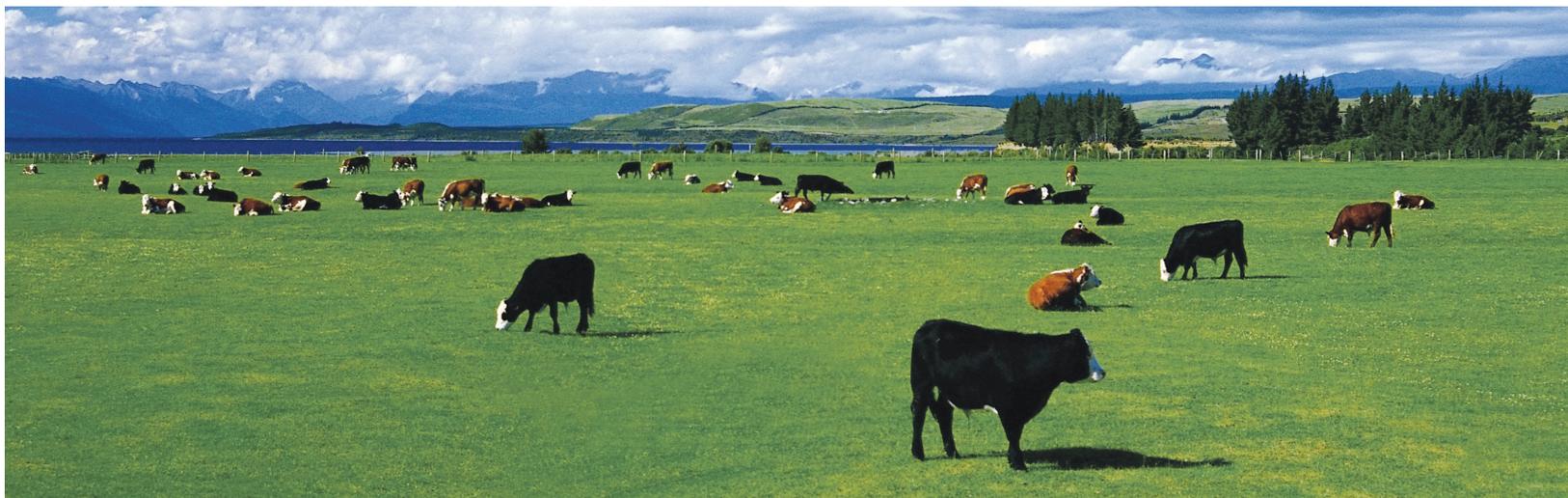


Penlime Plus™

**The new and improved cost effective
quality lime formulation for the treatment
of soil acidification and degradation**



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 Plus™

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

Penlime Plus™ soil conditioner is a naturally crushed, ultra fine 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
- > Improved sizing to increase lime effectiveness
- > Improves poorly structured, calcium deficient soil
- > Helps to improve crop yield
- > Enhances pasture productivity
- > Treats grass tetany
- > Helps the sustainability of Australian agriculture
- > Cost effective liming solution

Penlime Plus™ typical analysis

		%
Calcium	Ca	38.05
As Calcium Oxide	CaO	53.24
As Calcium Carbonate	CaCO ³	95.03
Magnesium	Mg	0.54
As Magnesium Oxide	MgO	0.89
As Magnesium Carbonate	MgCO ³	1.86
As CaCO ³ equivalent	CO ³	2.21
Sulphur	SO ⁴ -S	0.01

Particle size distribution

	Sieve size %
> 850 Micron	1.1
< 850 Micron	98.2

TNV (Total Neutralising Value) (in terms of CaCO₃) 97%

ENV (Effective Neutralising Value)

Kgs effective Ca per tonne	380.53
Kgs effective Mg per tonne	5.36
Kgs effective S per tonne	0



Penrice Quarry & Mineral

256 Penrice Road
Penrice SA 5353
Telephone 08 8563 8800
Facsimile 08 8564 3358
Email sales@penricequarry.com.au



Quality
Endorsed
Company

Penlime Plus and the Penrice Logo are
trade marks of Adelaide Brighton Cement Ltd

ISO:9001:2000 Lic.10509
Standards Australia