

AGLIME 250 SUPERFINE

Product information sheet



AGLIME 250 SUPERFINE improves crop and pasture yields by neutralising acidic soils.

- Adjusts soil pH for best crop performance
- Promotes healthy plant growth
- Reduces fertiliser costs while increasing efficiency
- Aerates clays and heavy soils

AGLIME 250 SUPERFINE is made from high quality limestone (calcium carbonate) which is locally quarried and processed in our modern plant at South Marulan.

PURITY

Agricultural limes are measured by percentage content of calcium carbonate (CaCO₃).

This percentage is known as the Neutralising Value (N.V.) which indicates the purity of the product.

The NSW Department of Agriculture has determined a minimum Neutralising Value (N.V.) of 95 for lime to be an effective soil conditioner.

Chemical Composition

AGLIME 250 Typical Chemical Analysis

Calcium Carbonate	CaCO ₃	97%
Magnesium Carbonate	MgCO	<2 %
Silica	SiO ₂	<1%

Neutralising Value

AGLIME 250 Typical Neutralising Value

Whole sample	98
1mm - 250 microns	98
250-270 microns	98
<75 microns	98

Moisture Content

Low moisture content (1-3%) is also important in terms of cost, cartage and spreading.

Moisture content H₂O < 1% ex silo

FINENESS

For agricultural lime to be effective it should not be measured and compared on purity alone, but also on particle size.

The finer the particles of lime, the faster they react with the soil. Finer lime has greater soil contact and increased solubility and distribution properties.

To possess effective solubility and fast response time a passing of 97-99% at 250 microns is recommended.

AGLIME 250 Typical Particle Size Distribution

Sieve Rating	(min. % Passing)
250microns	99% Passing
150 microns	85% Passing
75 microns	70% Passing
30 microns	58% Passing
20 microns	50% Passing
11 microns	30% Passing

The combination of high calcium carbonate and processed superfine particles makes AGLIME 250 SUPERFINE a highly effective soil neutraliser.

Reduce costs with quality lime

You can compare the value of different liming materials by checking NV and fineness against spread cost.

$$(\text{Fineness} \times \text{NV}) \div 100 = \text{efficiency}$$

$$(\text{Spread cost} \times 100) \div \text{efficiency} = \text{comparative cost}$$

Lime A

Fineness: 68
 NV: 90
 Spread: \$70/tonne
 $(68 \times 90) \div 100 = 61.2$
 $(\$70 \times 100) \div 61.2$
 = \$114.38/tonne

Lime B

Fineness: 99
 NV: 98
 Spread: \$70/tonne
 $(99 \times 98) \div 100 = 97$
 $(\$70 \times 100) \div 97$
 = \$72.17/tonne

Example only – actual costs may vary

Lime B is comparatively cheaper because its fineness and purity makes it more efficient at neutralising soil acidity.



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General Information about Lime

Lime combats the effects of soil acidity

Poor pasture production is a common and direct result of soil acidity. Soil acidity can cause one or in most cases a combination of the following problems.

- loss of productive species
- weed and insect invasion
- soil erosion
- increased risk of dry land salinity
- general vegetation decline
- nutrient run-off into water storages
- animal production decline
- reduced microbial activity
- diminished yields and farm income

Application of finely crushed limestone is the only practical way to neutralise soil acidity.

Lime is proven to increase yields

Use of agricultural lime can provide measurable benefits and increased returns. Below is a typical comparison of the anticipated yield from limed and un-limed land using super fine agricultural lime.

Potential Increase in yield [1]

Wheat	108%
Canola	76%
Peas	242%
Triticale	45%

Wool production from sheep on limed pastures increased 11-36% [2]

[1] Refer NSW Agriculture Presentation to the Limestone Association of Australia, 2003

[2] DPI Primefact Number 33 and Primefact Number 35

We always recommend that you consult a local agronomist to ascertain your liming requirements.

AGLIME 250 SUPERFINE is available in

- Weigh bridge **Bulk loads**
- Forklift loaded **1 tonne Bulk bags**
- Convenient **Palletised 25kg bags**

We can supply 'Dry' Silage lime or 'Damp' lime depending on your preferred application methods.

Our plant has recently undergone a significant upgrade of crushing equipment, dedicated B-Double weighbridge and overhead silo loading.

Material Safety Data Sheets are available upon request or via our website - www.aglimesfertilisers.com.au

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Visit our website for the latest product specifications and information on our other products - Limestone Aggregates, Trace Element Additives, Cal Grit, Stockfeed Supplements.

AGLIME FERTILISERS is proudly an Australian owned and operated company.

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