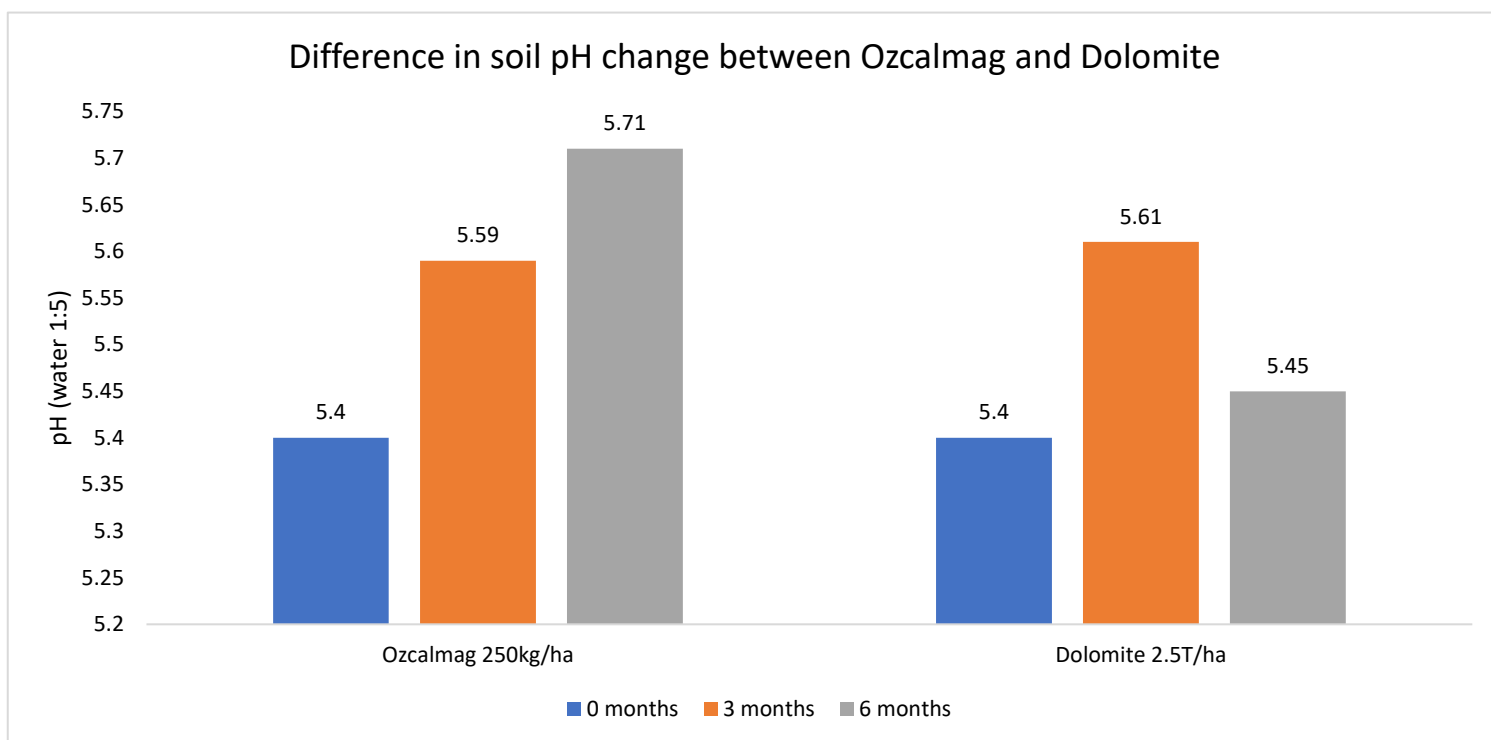




Trial results show

## OZCALMAG ACHIEVES BETTER RESULTS THAN BULK DOLOMITE AT A 10% APPLICATION RATE

An independent field trial conducted in the Bairnsdale region found that applying OzcalMag at 250kg/ha continued to increase soil pH over time, whereas Bulk Lime applied at 2.5T/ha did not.



This clearly demonstrates:

- 1) Ozcalmag can alter pH levels at low application rates due to **unique fineness** (below 20 microns) and high **neutralising value** (99%+).
- 2) Ozcalmag changed pH rapidly and continued to do so over time whereas the bulk dolomite did not in the field trial.
- 3) The smaller the dolomite particle is in size, the greater the amount that will come in contact with soil particles. Which means a greater exposed surface area of particles to react with acidic soil to neutralize pH and release calcium and magnesium.

**Particle size** and **Neutralising Value** are critical for even and effective soil pH management, plant root health, and soil microbe performance.

# Ozcal®

## Ultra-fine Granular Lime

Ultra-fine particle size results in high reactivity of the pure calcium carbonate. Therefore, greatly reduced rates are applied compared to Aglime.

<b>Appearance</b>	White Round Granule
<b>Neutralising Value</b>	99%
<b>Calcium Content</b>	39.2%
<b>Particle Size</b>	95% less 45 micron (average 20)
<b>Granulation Sizing</b>	3-5 mm
<b>Common rates of application</b>	10-20% of Aglime

# OzcalMag®

## Ultra-fine Granular Dolomite

Ultra-fine particle size results in high reactivity of the pure calcium and magnesium carbonate. Therefore, greatly reduced rates are applied compared to Dolomite.

<b>Appearance</b>	Off-White Round Granule
<b>Neutralising Value</b>	99%
<b>Calcium Content</b>	20%
<b>Magnesium Content</b>	11%
<b>Particle Size</b>	95% less 45 micron (average 20)
<b>Granulation Sizing</b>	3-5 mm
<b>Common rates of application</b>	10-20% of Dolomite

# Ozgyp®

## Ultra-fine Granular Gypsum

Ultra-fine particle size results in high reactivity of the pure gypsum. Therefore, greatly reduced rates are applied compared to standard agricultural Gypsum.

<b>Appearance</b>	White Round Granule
<b>Neutralising Value</b>	98%
<b>Calcium Content</b>	22.4%
<b>Sulphur Content</b>	17.9%
<b>Particle Size</b>	95% less 45 micron (average 20)
<b>Granulation Sizing</b>	3-5 mm
<b>Common rates of application</b>	10-20% of Gypsum

## The Importance of Neutralising Value and Particle Size for Lime

Neutralising Value (NV) is a lime's capacity to neutralise soil acidity. Pure calcium carbonate has a NV of 100. Ideally NV should be 95 and over.

The Effective Neutralising Value (ENV) is the true measure of a lime quality and ability to neutralise soil acidity. ENV takes into account the NV and variation in particle size. The importance of ENV has been lost in recent years.

The ENV is typically a lot lower than the NV. To arrive at the true cost of your coarse lime you will need to know the ENV of the lime source.

Example, NV = 95, ENV = 59 and cost of lime applied is \$90/t. True cost of lime applied is  $\$90/59 \times 100 = \$152/t$ .

*What is the true cost of your Lime?*

### Particle Size Comparison

1000 micron = 1 mm

Reactive neutralising zone



Nutrifert granular products allow a variety of placement options such as broadcast, into the cropping row or under the drip line.



**For more information about Nutrifert's soil amendment products please contact your local dealer.**