

# Nitrosol Calciprill®

## What is Nitrosol Calciprill®

**Nitrosol Calciprill®** is a 2-6 mm lime granule made from finely ground, high purity limestone. It is manufactured in Te Kuiti.

**Nitrosol Calciprill®** is low in dust, easy to spread and breaks down rapidly in moisture. It gives you the option of using your own fertiliser spreading equipment for a timelier application and can lower the risk of introducing off-farm pathogens or weeds. It can also be applied by air to country inaccessible by ground. Nitrosol Calciprill® can be direct drilled or air-seeded with lucerne, canola and cereals to aid in crop establishment. To maintain a healthy soil pH, it can be applied regularly at lower rates to replace nutrients removed at harvest and to keep soil acidity at bay. Regular maintenance of soil pH and nutrient balance is agronomically preferable to applying larger quantities of aglime on a typical 5-to-10-year basis.

## Why use Nitrosol Calciprill®

- It is much finer than standard aglime
- Enables accurate placement of product with minimal loss to dust drift
- Easy to use with your own spreader – allows for more flexibility in application
- Can be sown or spread with seed or fertiliser, direct drilled or applied by air seeder
- Effective in precision agriculture and spot treatment
- Good source of calcium, essential for plant growth
- Annual applications on short term leased country can save money due to faster pH adjustment

## Application Rate Guide (kg/ha)\*

SOILS	Top Dressed 0.5 pH increase	Direct Drilled Air Seeded
Sand/Loamy sands	300	60
Sandy/Silt loams	500	75
Clay/Loamy clays	625	100
10-15% Organic matter	750	125
+25% Organic matter	1000	150

Source: Omya International (2017/02)

\* Omya recommends you soil test regularly and seek advice from independent agricultural professionals

## Nitrosol®

Biological Fertilisers

### about Nitrosol

Nitrosol is a one-step colloidal liquid suspension organic based fertiliser containing:

- A balanced NPK 11.5.7. to feed through both foliage and roots.
- A balanced formulation of trace elements and minerals to address deficiencies and imbalances.
- Organic matter including protein, amino acids, albumin, globulin and cholesterol to feed and nurture the biological activity in the soil.
- A naturally occurring growth promotant stimulates plants to take up and use all the available nutrients, trace elements and minerals.

### Nitrosol Original

Made from ovine (sheep) blood and bone, Nitrosol Original has been widely used since 1971. It has gained an enviable reputation for producing strong, healthy, disease resistance plants as well as top quality flowers, fruit and vegetables.

**NPK 11.5.7**

### Nitrosol Oceanic

Nitrosol Oceanic is made from organic matter sourced from deep-sea fishing operations. It is ideal for use on pastoral grazing land with no stock withholding period, and in horticulture. Nitrosol Oceanic has the same typical analysis and will produce the similar results to Nitrosol Original.


**NPK 11.5.7**

### Nitrosol Organic

Nitrosol Organic has been certified by BioGro Ltd for permitted use in agriculture and horticulture by certified organic growers. With a higher organic content, it will help to produce healthy biologically active soil as well as highly nutritious and flavoursome fruit, vegetables and healthy nutritious feed for grazing animals.

**NPK 6.1.3**

Telephone 0800 80 30 60 for more information

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## NPK Efficiency and Soil pH

pH	4.5	5.0	5.5	6.0	6.5
N	30%	43%	77%	89%	100%
P <sub>2</sub> O <sub>5</sub>	23%	31%	48%	52%	100%
K <sub>2</sub> O	33%	52%	77%	100%	100%

## Nitrosol Calciprill®

	ELEMENT	TYPICAL VALUE
Chemical Analysis	CaCO <sub>3</sub>	90.3 (36% Ca)
	MgCO <sub>3</sub>	3.3 (1% Mg)
	Molasses Binder	5%

Particle Sizing	BEFORE	AFTER
	GRANULATION	
	0 - 100 microns	2 - 6 mm
Bulk Density	1.1	
Neutralising Value	95	

**LEAVES ALL OTHER LIMES FOR DUST!**

### did you know?

Nitrosol has a specific gravity of about 1.26 so one litre weighs 1.26 kgs.

Because Nitrosol is a colloidal suspension containing organic material, it will not leach or wash away even under heavy rain or irrigation.

Nitrosol feeds via both the foliage and roots meaning that it can be applied directly to plants and the surrounding soil with excellent results.

The natural growth promotant in Nitrosol helps plants to use the available nitrogen more efficiently with less waste.

The growth promotant encourages cell division and stimulates production of plant sugars.

Nitrosol acts as an effective sticker and spreader and may help to improve the effectiveness of plant protection materials when they are applied together.

Nitrosol is widely accepted as an important part of integrated fertiliser programmes to improve soil sustainability.

Nitrosol is exported from New Zealand to Europe, Asia, Bangladesh, Canada, USA, South Africa, Australia and several South Pacific Islands.

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