

Nitrosol MicroLime

What is Nitrosol MicroLime

Nitrosol MicroLime is a super-fine powder that provides an effective, dust-free, rapid-acting source of calcium carbonate when mixed with water.

Acidic soils retard optimum plant and pasture growth due to reduced nutrient uptake caused by essential nutrients becoming “locked up” in the soil. Scientific research has proven that soil with a pH higher than 6.0 will show significant improvements in the plant uptake of nutrients resulting in better growth rates, yield and dry matter production. This means a more efficient and effective use of the fertiliser investment, as well as improved soil structure, more earthworms, better drainage, greater root depth and increased drought resistance.

Nitrosol MicroLime is a superfine particle size for rapid pH adjustment and calcium supply. Nitrosol MicroLime is certified by BioGro New Zealand (5575) and is approved for use by certified organic producers.

Calcium Carbonate 98%

Why use Nitrosol MicroLime

Nitrosol MicroLime assists the plant to gain access to previously unavailable nutrients down to 2.5cm to 7cm depth.

Nitrosol MicroLime helps to reduce the uptake of toxic minerals and increases the uptake of essential nutrients, trace elements and minerals. It does this by increasing the calcium base saturation. Under acidic soil conditions many important nutrients and trace elements are “locked up” and unavailable to the plants.

What Nitrosol MicroLime will achieve

- Nitrosol MicroLime re-energised the soil.
- Creates a reaction in the soil that eliminates the acidic hydrogen ions with carbonate.
- The calcium base saturation is increased, providing an immediate supply of plant available calcium for improved plant nutrition.
- The readily available calcium in turn encourages microbial activity, resulting in improved soil structure and mineralisation of nutrients.
- Increase pasture production with resulting increases in milk, meat or wool production.
- Maximises the return of money spend on fertilisers by making nutrients more available through a higher pH.
- Stimulates the growth of legumes such as clover and Lucerne.
- Increases the activity of soil organisms responsible for the breakdown of soil organic matter increasing the availability of nitrogen through mineralisation.
- Increases worm activity and macro pores with better water infiltration.

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

CONTINUED OVERLEAF 

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Application guidelines

Suggested rates are between 50kg – 100kg per hectare. Application rates may be varied depending on the soil's fertility and pH levels. A high Cation Exchange Capacity (CED) level indicates a high fertility soil and will require larger quantities of MicroLime than a lower fertility soil.

Nitrosol MicroLime as a suspension of calcium carbonate rock must be kept circulating at all times in the tank. This is accomplished typically with the bypass facility found on most petrol or PTO driven pumps.

Method of application

1. To calibrate ground application equipment, fill the tank with water and choose a suitable gear and engine speed and determine the area that can be covered with one tank. Multiply the effective width of the spray pattern by the length of travel for one tank. If the spray width is 8 metres and the distance travelled was 625 metres then one tank covered 5,000 squares metre or 0.5 hectares. If the chosen application rate is 25 kg per hectare, then dose ½ bag **MicroLime** per tank.
2. Half fill the tank with water, and engage the spray pump to re-circulate at full flow. Slowly add the **MicroLime**, making sure it is thoroughly mixed, then top up the spray tank with water. Keep the pump re-circulating at all times until spraying is completed.
3. **Nitrosol** liquid fertiliser can be added to the spray tank so that fertilising can also be achieved in the one operation. Mix **MicroLime** as above then add **Nitrosol** last.
4. Removal of fine filters is recommended to prevent blockage

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.



No 5575

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