

fact file: *Nitrosol EcoGro*

What is Nitrosol EcoGro

Nitrosol EcoGro Fertiliser is a liquid, natural, plant-based fertiliser manufactured from vegetable protein plus trace elements and minerals with a balanced N.P.K of 11.5.9. In addition to feeding the plant directly, these organic materials feed and nurture the microbiological activity in the soil, increasing cycling, bacterial and fungal activity, and earthworm counts. This improves soil structure and increases the availability of important soil nutrients, trace elements and minerals to the plants.

Nitrosol EcoGro Fertiliser results include aiding with stress recovery, improved yield, fruit and produce quality and strong healthy plant growth.

Nitrosol EcoGro Fertiliser is a newly developed product launched in 2022 and our tests show that it has the same efficacy as Nitrosol Original that has been around for over 50 years with its recognisable and trusted brand name and over this time has developed a strong following and reputation for supporting plant growth and soil health and profitability both in New Zealand and around the world.

Why use Nitrosol EcoGro

Nitrosol EcoGro will improve the nutritional value of pasture and fodder crops, with an improved balance between protein, fibre, and energy. Being a colloidal suspension, this enables convenient flexible and cost-effective application via aerial, ground spray and irrigation systems, including hydroponics.

Nitrosol EcoGro uses modern manufacturing technology to process a variety of organic materials, into a smooth liquid suspension. As a result of this unique manufacturing process, Nitrosol EcoGro contains important nutrients in a readily plant available form. Thanks to the high level of plant amino acids that carry nutrients into the foliage and stimulate natural growing processes.

Nitrosol®

Biological Fertilisers

about Nitrosol Oceanic

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, and carbohydrates to feed and nurture the biological activity in the soil.
- A naturally occurring growth factor stimulates plants to take up and use all the available nutrients, trace elements and minerals.

Nitrosol Original

Made from sheep and beef 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

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CONTINUED OVERLEAF 

Application to foliage

Spray a dilution of 1:200 to the drip point on a 7 – 10-day cycle during periods of rapid growth or fruit development and at intervals of up to four weeks at other times. Acts as an effective sticker and spreader when use in conjunction with plant protection or disease control materials.

Application to soil

20 – 30 litres per hectare two to three times per year in Spring, Summer, and Autumn in a convenient amount of water to ensure coverage. May be blended and used with herbicide materials and other organic materials such as Nitrosol Ultra Fine Lime. Add as the last ingredient to the spray tank but check for compatibility first.

Application to irrigation or fertigation

As a booster add to feed concentrate tank at the rate of 1 litre of product per 200 Ltrs of soluble salts solution. Clean filters regularly and flush lines with water after use.

Combined Nitrosol EcoGro Application with Other Agricultural Remedies

Many applicators like to combine different agricultural remedies into one mixture for more efficient application to crops or pasture. Years of experience has shown that Nitrosol is compatible with most remedies and in many cases has been found to improve absorption and efficacy of the remedy.

Caution: It is the user's responsibility to check the compatibility between Nitrosol and other materials by mixing up a small sample quantity in the same ratio that will be used. If the samples mix with no difficulties (no thickening or separation) then spray onto a sacrificial plant or branch to identify any adverse effects, before widespread use on pasture, plants, trees, crops, etc.

Application to pasture

Dairy Pasture – 20 – 40 litres per hectare two to three times per year in Spring, Summer and Autumn in a convenient amount of water to ensure coverage.

Dry stock Pasture - 20 litres per hectare two or three times per year. May be blended and used with herbicide materials and other organic materials such as Nitrosol Ultra Fine Lime. Add as the last ingredient to the spray tank but check for compatibility first.

Typical product analysis % W/V

Nitrogen-N	11%	Phosphorus-P	5%	Potassium-K	9%
Sulphur-S	1.4%	Calcium-Ca	1.3%	Magnesium -Mg	0.35%
Sodium-Na	0.01%	Manganese-Mn	323ppm	Zinc-Zn	230ppm
Copper-Cu	202ppm	Boron-B	223ppm	Molybdenum-Mo	182ppm
Cobalt- Co	24ppm	Selenium-Se	45ppm	Iron-Fe	313ppm

Important user information

- Nitrosol EcoGro may be used on grazing pasture with no stock withholding period.
- Do not store product that has been mixed with water, as it will not keep.
- Nitrosol may settle in its container over time. Contents should be agitated before use.

did you know?

Nitrosol has a specific gravity of approximately 1.27 so one litre weighs approximately 1.27 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 factor in Nitrosol help plants to use the available nitrogen more efficiently with less waste.

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, Taiwan, UK, India, and several South Pacific Islands.

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