

fact file: *Nitrosol Original*

What is Nitrosol Original

Nitrosol Original is a liquid fertiliser manufactured from ovine blood bone plus trace elements and minerals with a balanced N.P.K of 11.5.7. 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 increased the availability of important nutrients, trace elements and minerals to the plants.

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

Nitrosol Original has been around for over 48 years and over this time has developed a strong following and reputation for supporting plant growth and soil health both in New Zealand and around the world.

Why use Nitrosol Original

Nitrosol Original uses modern technology to process one of the most highly regarded fertiliser materials.... blood and bone into a colloidal liquid suspension. This enables convenient flexible and cost effective application via aircraft, ground spray or irrigation systems, including hydroponics.

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

Introducing a new smoother Nitrosol

We have developed a new formulation and showed some of our customers the new product. The particles in Nitrosol Original are now much finer resulting in a far better suspension with very little of the separation that could be visible in the earlier formulation. Upon showing and trailing this new formulation the customers reaction was very favourable. Comments reflected how smooth and silky the new formulation is and how easy it is to apply.

One of the major factors in the success of Nitrosol in growing plants and improving soil health is a portion of the nitrogen has been amino acid based. In developing the new formulation, we have managed to increase the quantity of amino acids and increase the NPK from 8.3.6 to 11.5.7. It is this increase in amino acids which has given the improvement in plant growth we observed when we tested the new formulation against the old formulation.

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.

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.

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.

Telephone  Information

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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

15 – 20 litres per hectare (6 – 8 lt/ac) 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. 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 litres of soluble salts solution. Clean filters regularly and flush lines with water after use.

Application to pasture

This Product contains or may contain ruminant protein and is not to be fed to ruminant animals. Apply **Nitrosol Oceanic** for pasture.

Typical product analysis % W/V

Nitrogen – N	11%	Manganese – Mn	343ppm
Phosphorus – P	5%	Zinc – Zn	232ppm
Potassium – K	7%	Copper – Cu	233ppm
Sulphur – S	1.2%	Boron – B	261ppm
Calcium – Ca	1.6%	Molybdenum – Mo	248ppm
Magnesium – Mg	0.24%	Cobalt – Co	19ppm
Sodium – Na	0.13%	Selenium – Se	46ppm
		Iron – Fe	371ppm

Important user information

Nitrosol Original may not be fed to sheep, cattle, deer, alpacas, goats or other ruminant animals in accordance with the ruminant act.

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.

Nitrosol
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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 help 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.

Telephone information

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NITROSOL BIOLOGICAL

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