

# HO HO HO!



## Power to the Ground Newsletter

• Nitrosol Nitrogen Booster • The Champions of Pasture & Horticulture • Product Range & Prices • The Last Laugh

DECEMBER 2022

### Baches, BBQs, Beaches & Boats, here we come...

You've all worked hard again this year, you deserve a break and whether you are a newcomer to the agricultural or horticultural industry or an old timer, well done to you all. You deserve to leave work behind and have huge amounts of fun doing whatever spins your wheels over the Christmas and New Year period.

A huge shout-out to all our customers who have kept the food chain rolling this year. And throughout all the Covid lockdowns!

Dont get me started on this lot of bungling, inept, virtue signaling, out of touch politicians. Except to say, a team of 64 and not a single one is accountable for anything. There has been an absolute minimum lack of accountability, if any, over the last 5 years. This lot and their actions remind me of a classic Donald Trump quote from 2010; "I don't take responsibility at all."

What a year so far. The weather gurus are predicting a "La Nina" weather pattern, dry and drought like conditons. Not so! Many regions in the country are wanting more

sun and less rain (not a usual situation at this time of year!).

Cost Increases! Strewth Trev, prices on and off farm have gone up more than the Prime Minister's expense account has!! Hang in there! I have never seen raw materials, freight and packaging costs soar as they have over the last year. Many increases are well over 100% and then some.

Not to mention a matter close to our hearts - Fertiliser. Fertiliser shortages caused by the Ukrainian/Russian conflict have driven the prices sky high. We have seen a huge increase in customers using our Nitrogen Booster, our urea alternative. It is much more cost effective, it works naturally without burning the foliage, and is also far superior in its environmental outcomes for agriculture and horticulture. This bodes well for the future as more and more people are moving away from urea for their nitrogen requirements.

Enough of the day to day stuff! Time to relax and leave your cares and worries behind. Get ready to make all these New Year resolutions, yeah right!

Get ready to spin all the good yarns over some great food and a few chilled ones. Make sure the BBQ is primed and ready to go, the cricket bat and ball loaded, the sunscreen packed, and last but not least check the bach and boat are ready to be used and abused by friends and family alike.

*So from all of us at Nitrosol, here's to a cracker Christmas, and we will see you on the other side in the New Year.*

**Love life and stay well!**



## NITROSOL CLOSURE OVER CHRISTMAS PERIOD

**Nitrosol**<sup>®</sup>  
Biological Fertilisers



Nitrosol closes: **Thursday 22nd December 2022**

And reopens: **Monday 9th January 2023.**

The Nitrosol Team thanks you for your ongoing support in 2022. We hope you have a wonderful festive season with your loved ones and we will see you again in 2023.

**Cheers from the Nitrosol Team**

# Nitrosol Nitrogen Booster

## NITROSOL NITROGEN BOOSTER, A SUCCESS STORY

We have pushed hard to keep up with Nitrogen Booster, as the demand has increased many fold. A good challenge to have. Many pastoral and horticultural customers have seen the benefits first hand of using Nitrogen Booster as an alternative for urea!

What they are realising is that it's not all about the theoretical level of "N". Urea has more "N" than Nitrogen Booster however a large portion of urea "N" can be lost through leaching and volatilisation (conversion to CO2 and ammonia gas) especially when added as a solid at high doses.

*The little and often approach using foliar applied Nitrogen Booster gives fast availability and reduced waste as well as stimulation of nitrogen fixing from the atmosphere which is sustainable and cost effective.*

## WHAT IS NITROSOL NITROGEN BOOSTER?

Nitrosol Nitrogen Booster is a liquid source of nitrogen which is the fundamental element in plant biology. The nitrogen cycle is one of the main drivers in soil activity and plant growth.

Nitrosol Nitrogen Booster is a carefully balanced blend of nitrogen rich materials including natural amino acids to ensure maximum nitrogen uptake by the plant. There is increasing awareness of excessive amounts of nitrate (NO<sub>3</sub><sup>-</sup>) entering either ground or surface water often associated with application of solid high concentration fertilisers like urea.

The amino acids are known to give fast and effective uptake during foliar feeding. Some of the Nitrogen Booster is absorbed by the soil and taken up directly by the roots. The rest is utilised by micro-organisms in the soil which in turn provide nutrients to the plant. This gives a twin benefit of both fast and slower acting nitrogen sources. One by rapid foliar absorption and two by soil storage.

Nitrosol Nitrogen Booster also contains carbohydrates, a low level of potassium and phosphorus, as well as a significant amount of magnesium, all of which help to stimulate photosynthesis - the driving force of growth in nature.

ANALYSIS				
N%	P%	K%	Mg%	S%
21.5	.6	.8	.7	1

## APPLICATION RATES

### Typical Dairy Pasture Application:

20 Litres /Ha with 100 Litres/Ha of water as pasture or soil application. If applied directly to soil prior to cultivation via fertigation and irrigation systems, higher dilution rates than above can be used.

### Typical Beef/Sheep Pasture Application:

20 Litres /Ha with 100 Litres/Ha of water as soil or pasture application. If applied directly to soil prior to cultivation via fertigation and irrigation systems, higher dilution rates than above can be used.

### Typical Foliar Application:

1: 100 litres of water. Typical Fertigation: Apply 5 – 15 Litre/Ha with 200 to 400 Litres/Ha water toward the end of irrigation shift to flush the irrigation system out with clean water including all mainlines, sub-mains and internal delivery system.

## HOW DOES IT WORK SO WELL?

Nitrosol Nitrogen Booster is taken up directly by the plant foliage which eliminates substantial loss encountered with solid urea use. Solid urea loses nitrogen to the atmosphere and to water via leaching.

**Using a smaller amount of Nitrogen in a liquid form is a more efficient way.**

The effect of nutrients applied and absorbed through the foliage is far greater than nutrients applied to the soil





# Champions of Agriculture



## #1 PASTURAL WINNER NITROSOL OCEANIC

NPK  
11.5.7

A true success story, Nitrosol Oceanic has been proven to increase the nutritional value of pasture and fodder crops, with an improved balance between protein, fibre and energy.

Nitrosol Oceanic is made from organic matter sourced from deepsea 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.

Being a colloidal suspension, this enables convenient, flexible and cost-effective application via aerial, ground spray and irrigation systems, including hydroponics. Nitrosol Oceanic uses modern process technology to process one of the most highly regarded organic materials, deep-sea fish blood and bone into a smooth liquid suspension. As a result of this unique manufacturing process, Nitrosol Oceanic contains important nutrients in a readily plant available form.



### 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.



## #1 HORTICULTURAL WINNER NITROSOL ORIGINAL

NPK  
11.5.7

The 'original' foliar fertiliser, Nitrosol Original has gained an enviable reputation for producing strong, healthy, disease resistant plants as well as top quality flowers, fruit, and vegetables.

Made from sheep and beef blood and bone, Nitrosol Original has been widely used since 1971. Nitrosol Original uses modern technology to process one of the most highly regarded fertiliser materials, sheep and beef 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. Results include aiding with stress recovery, improved yield, fruit and produce quality, strong healthy plant growth.

### 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. May be used 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 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.

# Nitrosol Product Range

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## NITROSOL ORIGINAL

Nitrosol Original ovine blood and bone for use in all horticultural crops and home gardens. Nitrosol Original has a balanced NPK of 11.5.7 plus trace elements and minerals and recommended for use in all horticultural crops and home garden.



20lt **\$185.90** • 100lt **\$615.00**  
200lt **\$966.00** • 1000lt **\$4620.00**

## NITROSOL NITROGEN BOOSTER

Nitrogen Booster is a high nitrogen liquid formulation containing a balanced blend of nitrogen rich materials from plant based amino acids and dissolved urea. Nitrogen Booster has 21.5% nitrogen.



20lt **\$115.00** • 100lt **\$425.00**  
200lt **\$650.00** • 1000lt **\$2995.00**

## NITROSOL MICROLIME

Nitrosol MicroLime is a finely ground high purity calcium carbonate used to increase pH or supply calcium. Certified Biagro organic input and IFOAM accredited.



25kg bag **\$17.50** • 1 tonne bag **\$630.00**

## NITROSOL CALCIPRILL

is a 2-6 mm lime granule made from finely ground, high purity limestone. It 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.

500kg bag **\$225.00**



## NITROSOL OCEANIC

Nitrosol Oceanic is a liquid fertiliser manufactured from deep-sea fish blood and bone plus trace elements and minerals with a balanced NPK of 11.5.7.



20lt **\$193.05** • 100lt **\$625.00**  
200lt **\$990.00** • 1000lt **\$4725.00**

## NITROSOL MAGSULPHATE

includes 7.5% organic carbohydrates to feed and stimulate biological activity in the soil. Magnesium is an important plant nutrient that is often found to be deficient in New Zealand crops. Sulphur is essential for productive pastures, crops and animals.



200lt **\$300.00** • 1000lt **\$1421.00**

## NITROSOL ORGANIC

is a new liquid organic fish fertiliser developed for use as a certified input for organic farmers. Silky smooth and not gluggy with a vastly improved odour. Certified Biagro organic input and IFOAM accredited. NPK of 6.1.3



20lt **\$200.20** • 100lt **\$635.00**  
200lt **\$998.00** • 1000lt **\$4777.00**

## NITROSOL SEAWEED FLAKES

100% soluble seaweed flake derived from Ascophyllum Nodosum. Certified Biagro organic input and IFOAM accredited.



2kg pack **\$58.00** • 20kg box **\$529.00**

## NITROSOL GIBB A90

is a water soluble powder of gibberellic acid, a naturally occurring plant growth promotant. Apply at only 9gms per hectare.



540g tub **\$475.00**

Please note prices exclude GST & delivery, and are subject to change without notice. Purchase your products direct from Nitrosol Limited or your local rural merchant, eg: Farmlands, PGG Wrightson, Fruitfed, FarmSource, Horticulture etc.



# Power to the Ground

CUSTOMER NEWS : DECEMBER 2022

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## The last laugh...

### Mirror Image - Christmas Fable



On Christmas Eve, Nathan thought it would be nice to buy his wife a little gift for the next day. Always short of money, he thought long and hard about what that present might be.

Unable to decide, Nathan entered Farmers and, in the cosmetics section, he asked the girl, 'How about some perfume?' She showed him a bottle costing \$150.

"Too expensive," muttered Nathan.

The young lady returned with a smaller bottle for \$50.

"Oh No," Nathan complained, "still far too much."

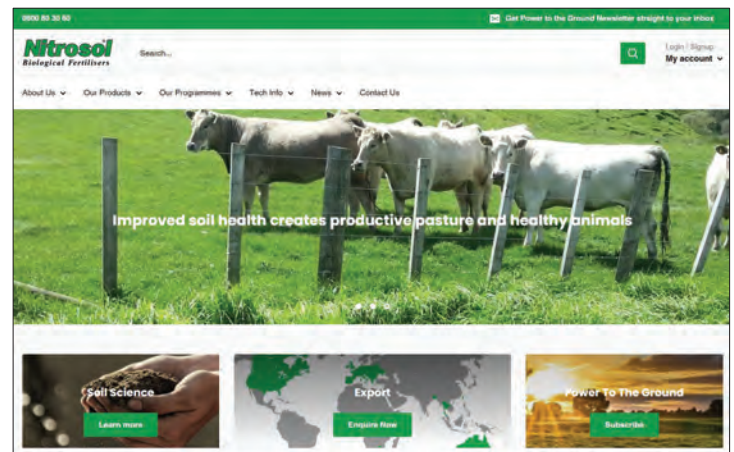
Growing rather annoyed at Nathan's meanness, the sales girl brought out a tiny \$10 bottle and offered it to him.

Nathan became really agitated, "What I mean" he whined, "is I'd like to see something really cheap."

So the sales girl handed him a mirror.

Have you checked out our new website yet?

[www.nitrosol.co.nz](http://www.nitrosol.co.nz)



## Credit card payments



### Visa / MasterCard only

Nitrosol Ltd now has the facility to accept Credit Card payments. You will need to have a current email address. Please contact us on **0800 80 30 60** and we will be happy to explain the procedure.

## Stay informed on social media

**FOLLOW US** on Instagram and Facebook.

We're excited to bring you special offers, industry news, and relevant information on our social media platforms.

 [facebook.com/Nitrosol](https://facebook.com/Nitrosol)

 [instagram.com/nitrosol\\_nz/](https://instagram.com/nitrosol_nz/)

**Nitrosol**<sup>®</sup>  
Biological Fertilisers



Wishing you all a very  
**Merry Christmas**  
and  
**a Happy New Year!**

cheers  
From the Nitrosol Team