Nitrogen Plus

Foliar Fertigation Fertiliser

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Nitrogen

High Concentration Liquid Nitrogen Designed for Safe Foliar Application and Injection

Nitrogen Plus is a fertigation-foliar product specially formulated to ensure that the plant's nitrogen needs are met at the critical stages of plant growth. It contains the highest level of nitrogen, in four different structures (UREA, nitrate ions, ammonium ions and organic nitrogen) that a liquid formulation can hold. This delivers fast and efficient uptake and utilisation of nitrogen.

Nitrogen Plus uses nutrient delivery technology (NDS) to deliver nutrients through the leaf when applied as a foliar spray. It may also be used in irrigation systems making this process easy and efficient. The fast entry of nitrogen is essential at times of deficiency to restore plant growth and green healthy leaves.

Nitrogen Plus is a high-nitrogen formulation that delivers 33.8 % (w/v) nitrogen.

Features and Benefits

- **Quality manufacture** using superior materials to formulate reliable, stable and trusted products with the highest level of quality control.
- **Having readily available nitrogen elements**, it is the most efficient method of delivering the plant's immediate nitrogen needs through the leaf or by irrigation.
- **Fixes plant nutrient deficiency** as it bypasses the soil, instead delivering them through the leaf.
- **Easy application and compatibility** with immediate plant uptake and proven compatibility with a wide range of crop protection chemicals.
- **It improves uptake and utilization of potassium and trace elements** since it stimulates chloroplast and protein synthesis.
- **Improves flowering** in fruit trees and vines.
- **Assists in plant recovery** from water-logging.
- **Supplies nitrogen quickly** as and when needed after heavy rain.
- **Renders a prolonged grain filling period** and improved protein level.

The Importance of Nitrogen

Nitrogen is an integral part of all plant proteins. It is the nutritive value of the food we eat, the value of which being largely dependent on the availability of nitrogen for crop growth. It is required in greater quantities by crops than any of the other essential nutrients, (with the exception of potassium in some high-yielding crops). Most soil nitrogen comes from organic matter, which is released slowly. Factors such as temperature, moisture and texture control this release rate. Nitrogen gas of atmosphere is fixed by nitrogen fixing Rhizobia in root nodules of legumes as well as by free-living nitrogen fixing bacteria of soil.

Symptoms of Nitrogen Deficiency

Adequate nitrogen produces a dark green color in leaves, caused by a high level of chlorophyll. As a mobile nutrient in plants, deficiency symptoms appear first in older leaves as light green to yellow foliage, and then develop on younger plant parts as the conditions becomes more severe. Other symptoms include stunted, spindly plants, less tillering in small grain crops and low protein content in seed and vegetative parts. Nitrogen deficient plants will mature early, with significantly reduced yield and quality.

Nitrogen Application has never been Easier

Nitrogen Plus can be applied in irrigation to all plants or as a foliar spray to broadacre crops making the supplementation of nitrogen an easy exercise. The fast entry of nitrogen is essential at times of deficiency to green the leaves and restore the plant's healthy growth. The presence of four forms of nitrogen (UREA, nitrate ions, ammonium ions and organic nitrogen) assists plant metabolism for a fast and efficient uptake and utilisation of nitrogen.

IPNI International Plant Nutrition Institute

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METHODS OF APPLICATION

Foliar Fertiliser to Spray onto the Crop Leaf

Manual Application

Machine Application

Rain Safe in 2 hours

APPLICATION GUIDE

Specific Rates

Crop Type	Dilution Rate	Application Rate (Litres/hectare)
Wheat (all Cereals)	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Corn	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Canola	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Dryland Pasture	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Hay	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Fodder Crops (oats, millet, sorghum, turnip and other forage brassicas)	1L to 10L to 1L to 20L	4 - 6 Litres/hectare (L/ha)
Fruit trees and Vegetables	1L to 50L to 1L to 100L	4 - 6 Litres/hectare (L/ha)

Note :

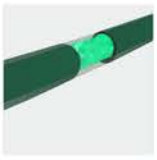
2-3 weeks is required before foliar application can be repeated

Recommended Timings

Crop Type	Number of Applications (Minimum to Preferred)	Timing for Application
Wheat (all Cereals)	1 to 2 times	Good canopy formation into grain filling (avoid anthesis)
Corn	1 to 2 times	Good canopy formation into grain filling (avoid silking)
Canola	1 to 2 times	Good ground cover to early flowering
Dryland Pasture	1 to 2 times	Good ground cover after each grazing in winter or early spring
Hay	1 to 2 times	Good ground cover when shut for hay or silage
Fodder Crops (oats, millet, sorghum, turnip and other forage brassicas)	1 to 2 times	Good ground cover and after each grazing when re-growth is expected

Fertigation via Irrigation or Sprinkler Systems

Manual Application



Irrigation Systems

Watering Systems

Crop Type	Litres / ha per Irrigation	Number of Applications per season / year
Young Vnes, Olives and Citrus trees	10 Litres	Bimonthly to monthly
Mature Vines	20 Litres	Bud burst and before flowering
Mature Olives & Citrus trees	20 Litres	Before flowering and post harvest
Other mature Fruit Trees	20 Litres	Up to flowering and after harvest
Vegetable Crops	20 Litres	Early and mid vegetative growth and as required
Irrigated Pastures	20-30 Litres	After each cut or grazing or as required

HOW TO MIX

Shake Vigorously

Mix with Water

Mix with other Chemicals

PRODUCT COMPATIBILITY + JAR TESTING

DO NOT mix with alkaline copper fungicides or inoculants.
If you are unsure, we recommend a simple jar test of products. Mix together and check if reaction occurs.

PRECAUTIONS

Non-toxic product. Avoid unneeded contact. Keep out of the reach of children. If contact is made with eyes, immediately rinse with plenty of water. If swallowed, seek medical attention.

ANALYSIS AND PRODUCT ASSURANCE

RLF

Australian-owned Formulator, Manufacturer and Supplier of High-analysis Broad-spectrum Liquid Fertiliser technologies. For over 25 years RLF's products have been used by millions of farmers and growers world-wide. ISO 9001 Quality Assured Company since 1998.

MACRO NUTRIENTS

Nitrogen (N)

OBAL

%w/w

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