

# Nurture **N**<sup>TM</sup>

## Controlled-Release Nitrogen



Controlled release nitrogen for foliar application to crops.



a division of  
Amgrow Australia Pty Ltd



# Nurture N<sup>TM</sup>

## Controlled-Release Nitrogen

Maximise  
your nitrogen  
efficiency

### What Is Nurture N?

Nurture N products are technologically superior liquid blends based on a specific type of methylene urea. Nurture N products provide controlled release and upfront nitrogen properties directly into the plant through the foliage. Nurture N fertilisers are foliar applied and are applied supplementary to granular fertiliser applications to enhance the nutrient levels in your crop. The application rates are extremely flexible and can be tailored to suit any nutritional program.

### Reduce foliar nitrogen losses

Conventional fertilisers containing straight urea or ammonia-based nitrogen sources have a tendency to leach and volatilise quite rapidly. The unique properties of the Nurture N products result in reduced nitrogen losses to the environment due to their high foliar uptake and rainfast features. Nurture N can be detected in the leaf 4 hours after application and is completely absorbed within 48 hours. The efficient nitrogen uptake by the foliage assists in reducing losses through volatilisation. When compared with a straight urea solution, volatilisation losses are almost halved.

### Flexible application rates

When crops are deficient of nutrients the use of the higher application rate is recommended. As nutrient levels improve or when the desire for growth is less, application rates can be reduced. Regular Nurture N applications will help meet crop requirements more efficiently than large single applications. The use of leaf tissue/sap testing are the best methods to determine the nutrient requirements of your crop.

### Controlled growth

The unique properties of Nurture N provides controlled release of nitrogen to plants. Once inside the plant, the Nurture N is stored until it is needed for physiological purposes such as root and shoot development. The result of this process is consistent sustained growth patterns rather than fast growth spikes.

### Highly compatible in tank mixes

Nurture N products are very versatile. They are highly compatible in tank mixes with other products which can save you time and money. For example adding Nurture N to your tank mix with other fertilisers or pesticides will allow you to put out multiple products in one spray tank. If tank mixing with another product for the first time, always perform a jar test first to check compatibility.

### Very low phytotoxicity risk

Nurture N has a very low burn potential and a reduced phytotoxicity risk. The reasons for this are the low salt index and there is no crystallisation after drying on the leaf surface. Nurture N is very safe to use on developing shoots of newly established crops. Low water volumes per hectare applied as a foliar are possible with Nurture N due to lower risk of phytotoxicity compared to other fast release nitrogen products.

## Crop recovery

Nurture N products are an excellent option to assist crop recovery during and after flooding and waterlogged crop events. Foliar fertilising with Nurture N products with their low phytotoxic properties will minimise further crop stress and help keep leaves photosynthesising and functioning with essential nutrients until the soil dries out sufficiently for the roots to resume their function.

## Nurture N agricultural range

### Nurture N 30-0-0

- Releases nitrogen internally for up to 3 weeks
- Low corrosivity to spray equipment
- Low salt index/low plant phytotoxicity

Application Rate: 5 L – 40 L/ha

### Nurture N 12-0-10 + 0.5% B

- Releases nitrogen internally for up to 3 weeks
- Delivers Potassium and Boron safely to improve crop reproductive processes, quality and yield
- Low corrosivity to spray equipment
- Low salt index/low plant phytotoxicity

Application Rate: 10 L – 30 L/ha



Nitrogen comes in many different forms, and most traditional and Common forms used in foliar spraying systems are based on ammonium, nitrate or urea, or

a combination of these. When it comes to the specific issue of corrosion potential of metal tank fittings and spray components with the use of these common nitrogen fertilisers, the risk is very high.

To illustrate the severity of metal corrosion that can occur within a relatively short period when using a combination of urea, ammonium and nitrate, we provide the visual above for you to consider. It demonstrates the corrosive nature of UAN compared to Nurture N, on two inch mild steel nails immersed in 20% strength solutions for 48 hours.

# BRANDT®

*Contains Nurture N  
technology from Brandt  
Consolidated, Inc. USA.*

## Benefits of Nurture N Technology

- ✓ Highest quality controlled-release nitrogen source
- ✓ Increases agronomic vitality of crops and plants
- ✓ Minimal volatilization
- ✓ Very low potential for phytotoxicity
- ✓ Helps address poor fertility due to missed traditional fertiliser application or environmental conditions that cause a loss of fertiliser
- ✓ Can be tank mixed with many pesticides
- ✓ Reduces drift
- ✓ Ideal for all crops
- ✓ Easy to use
- ✓ Cost efficient
- ✓ Flexible rates
- ✓ Different formulations to meet specific agronomic needs
- ✓ Excellent nitrogen source to use in areas with Nutrient Management Plans



## Nurture N formulations

To meet the peak nutrient demands of your crops and plants, several formulations of Nurture N are available. It is advisable to use a plant tissue analysis to determine nutrient levels before selecting a specific formulation of Nurture N. For more information about different formulations of Nurture N and how they can work for you, contact your BARMAC representative.



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For more information about Nurture N contact your local Barmac representative today, or contact us on:  
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