

FERTILISER PRODUCTS



Controlled release nitrogen fertiliser manufactured with advanced chemistry

NUE28™ is a controlled release liquid fertiliser designed for foliar and fertigation applications. It provides growers with increased options for nitrogen supply to crops.

NUE28 is a clear 28% (w/w) nitrogen fertiliser solution containing methylene urea polymers and free urea. The methylene urea polymers give NUE28 its controlled release nitrogen properties and contribute to crop safety. The free urea provides the crop with a small amount of readily available nitrogen. NUE28 is ideal for use with precision agricultural machinery and is often added to an existing application by the farmer. This saves the farmer time and money, as well as reducing the nitrogen fertiliser applications to the soil.

NUE28's chemistry has some unique properties which make it an excellent choice to supply nitrogen to crops.



High Nitrogen Use Efficiency - carbon footprint reduction, reduced inputs.

Crop safety - NUE28 has low salt index and is safer for the plant.

Controlled release - feeds the crop gradually for up to 6 weeks and avoids harmful flush growth.

Resinous quality - adheres to the plant where it's needed.

Humectant quality - more easily absorbed by the plant as it remains in liquid phase.

Excellent Storage qualities - very stable, travels and stores well.

High Carbon Ratio - contains high levels of carbon along with nitrogen. Carbon is essential for building plant tissue but absent in nitrogen sources such as ammonium and nitrates.

Environmental Concerns - nitrogen losses from leaching and volatilisation are almost eliminated due to physical properties of NUE28 and the fast foliar uptake by the plant.

NUE WAYS OF DOING THINGS[®]

Nitrogen Use Efficiency (NUE)

NUE28 has a significantly higher nitrogen use efficiency than late season soil applied nitrogen. This allows the farmer to reduce the total crop nitrogen application or work more effectively within the maximum permitted nitrogen application rate in the area.

The method of foliar application and NUE28's unique properties result in reduced nitrogen losses through volatilisation and leaching. NUE28 also has a higher efficiency as a nitrogen source for the crop, when compared to alternative sources of nitrogen such as nitrates which demand more energy from the plant to metabolise. NUE28 gives the farmer options to "play the season" and feed the crop in line with nutrient demand. The largest application volumes are used in agriculture on crops such as wheat, barley, canola, corn, potatoes and vegetables.



Typical Analysis

Total Nitrogen (N) - 28%

9% - Urea Nitrogen

19% - Controlled Release Nitrogen*

* Derived from Methylene Ureas

pH - 9.5, Specific Gravity - 1.25kg/L

Examples of foliar application rates

Crop	Litres/ Ha	Number of Applications	Timing of Application
Cereals	15-30	1-2	Flag leaf/earing
Canola/OSR	15-30	1-2	Mid Flowering
Potatoes	4-6	1-5	After tuber initiation
Maize/Corn	20	1-3	8-12 leaf Stage
Vegetables	5-20	1-4	Mid crop onwards
Orchard	10-15	1-2	Prior to fruit set



Turf and Horticulture

For the turf and horticultural market we have a complimentary brand, CoNtrol – Smart Nitrogen. It's the same great formulation as NUE28, but specifically tailored towards these markets. CoNtrol can be used on sports and ornamental turf applications as well as landscape, ornamental and nursery plants. It provides the same benefits of plant safety, stable controlled growth, correcting nitrogen deficiencies and being a better choice for the environment than traditional nitrogen containing fertilisers. More details - www.controlsmanN.com

Dave Bolton, Business Development Manager, TS Resins Ltd
Email dave.bolton@tsresins.co.uk Phone +44 (0)7702668134

