

Utrisha[®] N

**NUTRIENT EFFICIENCY
BIOSTIMULANT**

Utrisha[®] N provides a crop with a unique way to capture nitrogen throughout the season, helping plants reach their yield potential.



Why use Utrisha N nutrient efficiency biostimulant?

- Maximises crop potential through optimised nitrogen management.
- Utrisha N enhances plant growth by improving the nitrogen availability in the plant throughout the growing season.
- Utrisha N meets changing market expectations by providing a sustainable source of nitrogen.
- For best results apply on top of the normal fertiliser programme.

What is Utrisha N?

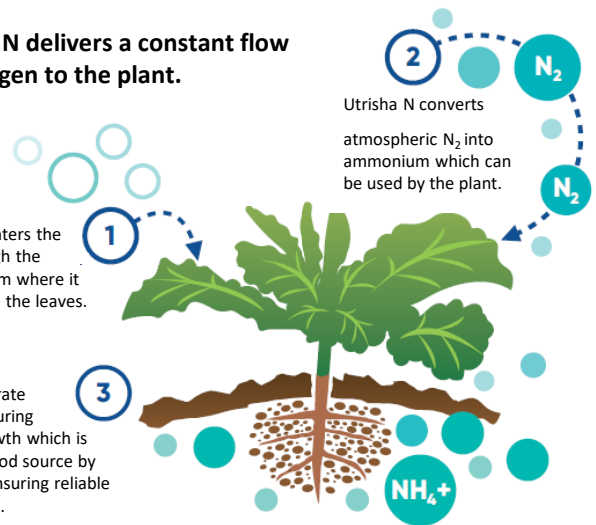
Utrisha N is a novel nutrient efficiency biostimulant for use in a broad range of crops. Utrisha N contains *Methylobacterium symbioticum*, a bacteria found in nature that fixes atmospheric nitrogen for use by the plant. Utrisha N provides a sustainable, alternative source of nitrogen that reduces dependency of nitrogen uptake from the soil and ensures the plant has access to nitrogen all season long.

How does Utrisha N work?

Utrisha N delivers a constant flow of nitrogen to the plant.

Utrisha N enters the plant through the stomata from where it can colonise the leaves.

Plants generate methanol during normal growth which is used as a food source by Utrisha N ensuring reliable colonization.

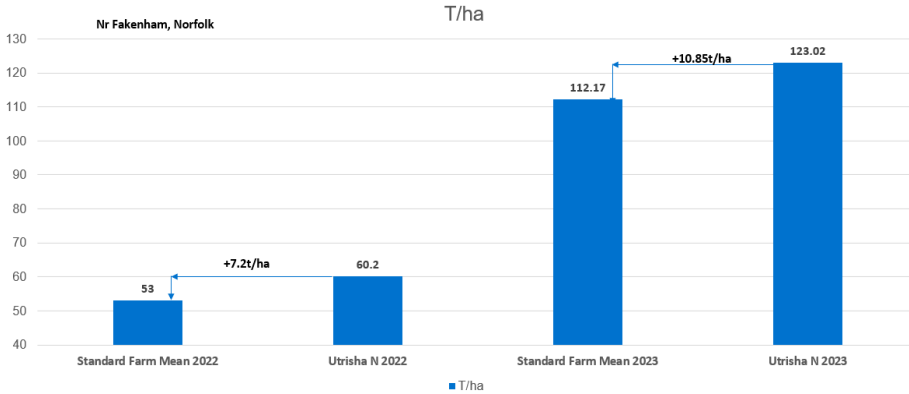


APPLICATION INFORMATION

APPLICATION INFORMATION	
PACK SIZE	3kg
RECOMMENDED RATE	333g/ha
RAINFAST	1 hour
NUMBER OF APPLICATIONS	1 application per crop
APPLICATION TIMING	BBCH 16-35
APPLICATION CONDITIONS - KEY FOR EFFECTIVE COLONISATION OF METHYLOBACTERIUM SYMBIOTICUM	<ul style="list-style-type: none"> • Apply to actively growing plants unaffected by stress. • Apply when the majority of stomata are open • Try to apply when day temperatures begin to reach at least 10°C up to 25°C (maximum 30°C) • Use water with a pH between 5 and 8.

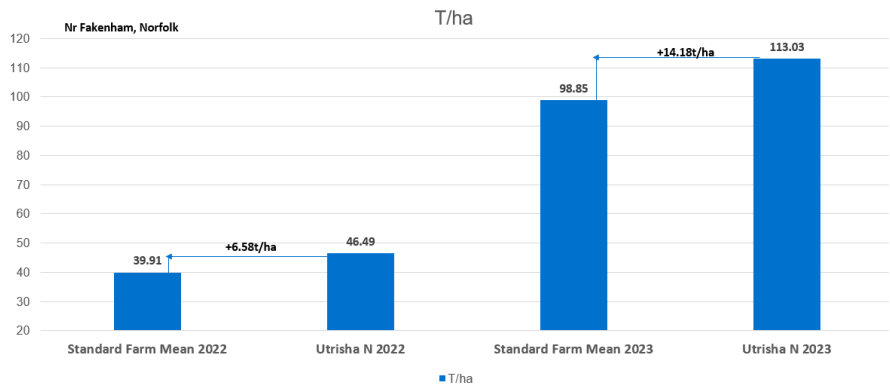
Sugar Beet trials, Nr Fakenham Norfolk 2022 / 2023

Clean Gross Sugar Beet Yield T/ha



Utrisha N applied on top of standard Farmer programme (control)* at about 70% ground cover.

Adjusted Clean Yield to 16% sugar



Utrisha N treatment: £30/ha 2022

Yield benefit: 6.58t/ha (16.49%) in adjusted yield.

At 2022 prices of £27/T this equals £177.66/ha.

2023

Yield benefit: +14.18t T/ha (+14%) in adjusted yield.

At 2023 prices of £40/t this equal £567.20/ha

Similar improvements seen in both 2022 and 2023, despite different growing conditions, and all for a £30/ha investment.

* Farmer fertiliser programme in 2023
Urea at 130kg/ha (60 N) - 20th March 2023

Urea at 130kg/ha (60N) - 25th May 2023

Utrisha N applied shortly after second application of Urea.

Crop Value £/ha

