

BlueN™



BlueN™ provides a crop with a unique way to capture nitrogen throughout the season, helping plants reach their yield potential.



NUTRIENT EFFICIENCY BIOSTIMULANT

Why use BlueN nutrient efficiency biostimulant?

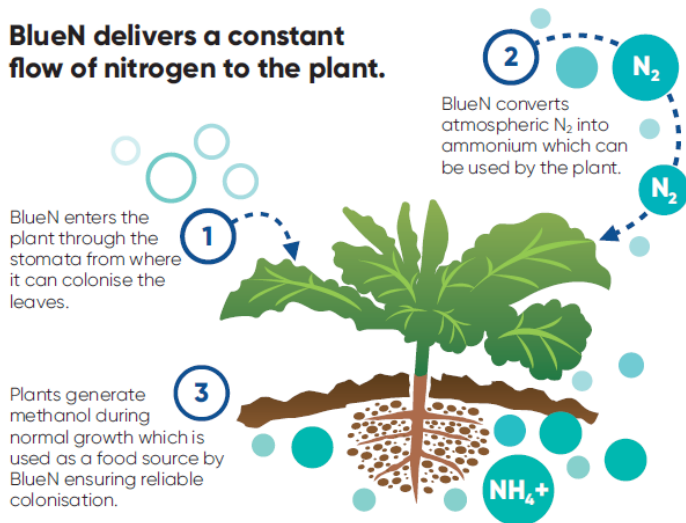
- Maximises crop potential through optimised nitrogen management.
- BlueN enhances plant growth by improving the nitrogen availability in the plant throughout the growing season.
- BlueN meets changing market expectations by providing a sustainable source of nitrogen.
- For best results apply on top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

What is BlueN?

BlueN is a novel nutrient efficiency biostimulant for use in a broad range of crops. BlueN contains *Methylobacterium symbioticum*, a bacteria found in nature that fixes atmospheric nitrogen for use by the plant. BlueN 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 BlueN work?

BlueN delivers a constant flow of nitrogen to the plant.

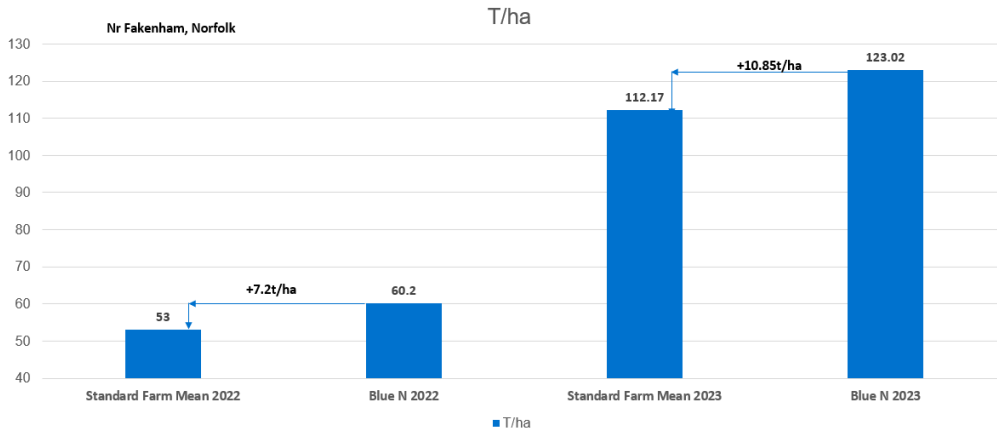


APPLICATION INFORMATION

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



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

BlueN 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

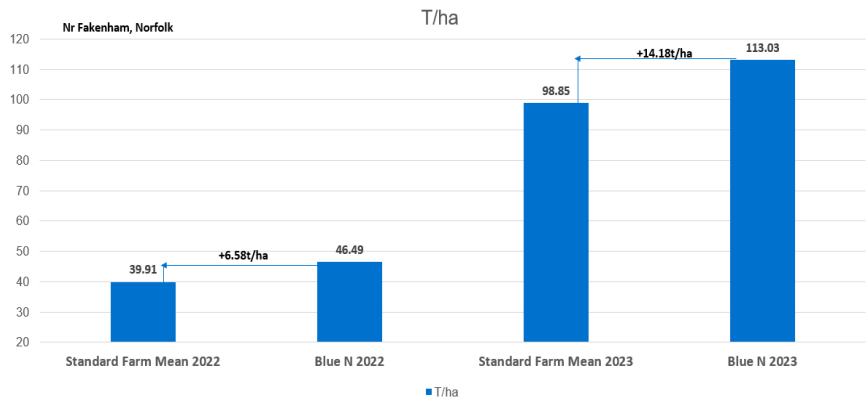
Yield benefit: +14.18t T/ha (+14%) in adjusted yield.

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
BlueN applied shortly after second application of Urea.

Adjusted Clean Yield to 16% sugar



Crop Value £/ha

