

BlueN™

NUTRIENT EFFICIENCY BIOSTIMULANT

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



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.
- In trials, meta data analysis shows on average a 2.5t/ha yield benefit.
- BlueN is compatible with Zorvec Endavia, for more information on tank mix partners follow the link: <https://www.corteva.co.uk/tools-and-advice/tank-mix.html>

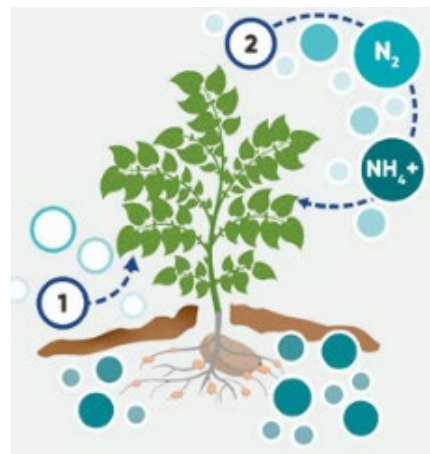
What is BlueN?

BlueN is a novel nutrient efficiency biostimulant for use in a broad range of crops including potatoes. 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 BlueN Works

1. BlueN enters the potato plant through the stomata from where it can colonise the leaves.
2. BlueN converts atmospheric N₂ into ammonium which can be used by the plant.

Plants generate methanol during normal growth which is used as a food source by BlueN ensuring reliable colonisation.

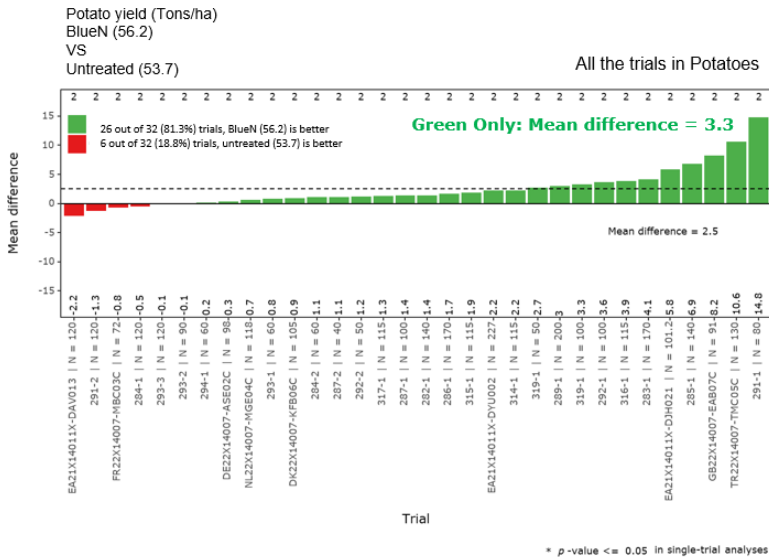


Supplies nitrogen throughout the crop cycle in an effective and controlled way

APPLICATION INFORMATION

PACK SIZE	3kg
RECOMMENDED RATE	333g/ha
RAINFEST	1 hour (leave 24hrs before irrigating as a precaution)
NUMBER OF APPLICATIONS	1 application per crop
APPLICATION TIMING	BBCH 25-33 (before plants meet in the row, immediately before rapid canopy expansion). Application timing depends on the type of potatoes
APPLICATION CONDITIONS – KEY FOR EFFECTIVE COLONISATION OF <i>METHYLOBACTERIUM SYMBIOTICUM</i>	<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.

BlueN Meta-analysis Row Crops Potatoes “On Top” of standard fertiliser programme strategy



On Top strategy:

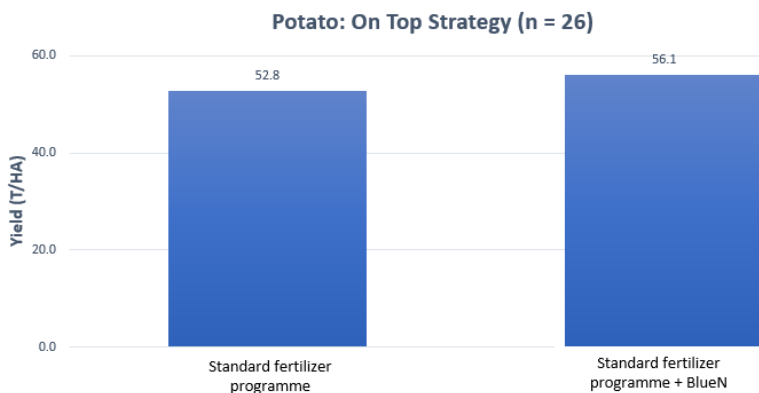
BlueN investment: £30/ha
Yield benefit: +3.3 Tons/ha = +£660/ha

Potatoes £200/Ton for November
(www.farming.co.uk)

- For Potatoes, the best strategy is to use BlueN on top of the standard fertiliser.
- In more than 80% of the case this strategy brings a yield increase over the untreated. The average yield benefit is +3.3 Tons/ha
- Across all the trials the average yield benefit is +2.5 Tons/ha

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