

# BlueN™ Nutrient Efficiency Biostimulant in Potatoes



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

## Why use BlueN nutritional efficiency biostimulant?

- Supports continuous nitrogen efficiency throughout the crop lifecycle.
- Enhances the uptake and utilisation of multiple nutrients for optimal plant development.
- Chromophores reflect light toward chloroplasts which intensifies photosynthesis.
- Efficient whole-plant colonisation allows for low use rates.



## How does BlueN work?

- BlueN enters the plant through the stomata from where it can colonise the leaves and then quickly translocates to surrounding leaves, stems and roots.
- Plants generate methanol during normal growth which is used as a food source by BlueN, ensuring reliable colonisation.
- Chromophores within BlueN reflect light towards chloroplasts, intensifying photosynthesis and in turn producing more methanol, the food source of *Methylobacterium symbioticum*.
- BlueN provides nitrogen throughout the growing cycle in an effective and controlled way.



## A win-win relationship

The bacterium uses methanol as an energy source, a by-product of the plant's metabolic activity. By enhancing the plant's ability to efficiently utilise nutrients, the plant in return provides the bacteria with more methanol to support its activity.

### Application Information

<b>Pack Size</b>	3 kg
<b>Recommended Rate</b>	333 g/ha
<b>Rainfastness</b>	1 hour (leave 24hrs before irrigating as a precaution)
<b>Number of Applications</b>	1 application per crop
<b>Application Timing</b>	GS25-60 Optimum timing GS25-33 (before plants meet in the row, immediately before rapid canopy expansion)
<b>Application conditions</b> – Key for effective colonisation of <i>Methylobacterium symbioticum</i>	<ul style="list-style-type: none"><li>• Apply to actively growing plants unaffected by stress.</li><li>• Apply when the majority of stomata are open, i.e. morning, later afternoon or evening.</li><li>• Try to apply when day temperatures begin to reach at least 10°C up to 25°C (maximum 30°C) and night temperatures over 5°C (refer to Arable App for specific timing information).</li><li>• Use water with a pH between 5 and 8.</li></ul>

BlueN is verified for use in organic systems, for more information contact the Corteva Hotline.



Visit us at [corteva.com/uk](https://corteva.com/uk)

Always read the label and product information before use. For warning phrases and symbols refer to label. For further information visit [www.corteva.com/uk](https://www.corteva.com/uk).

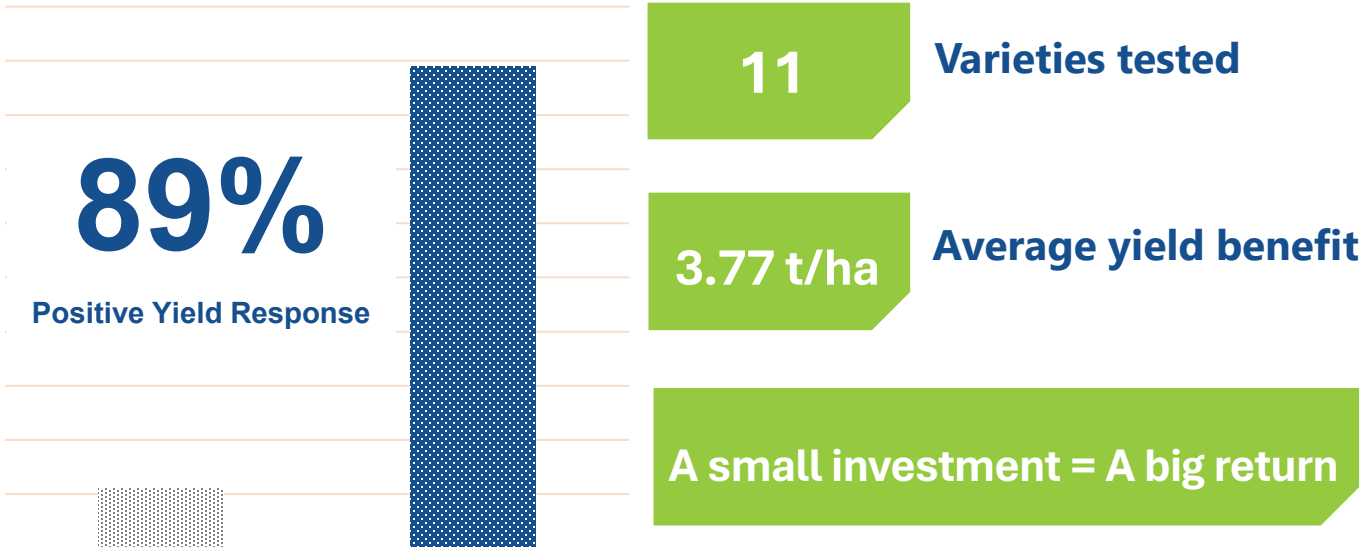
®, ™ Trademarks of Corteva Agriscience and its affiliated companies. ©2025 Corteva. BlueN contains *Methylobacterium symbioticum*.

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## BlueN performance on potatoes

18 UK sites, 2023-2025



- 89% of trials showed a positive yield response versus the control. Trials were located throughout the UK in 2023-2025
- Across all trials the average yield benefit was 3.77 t/ha.

## No effect on fry colour

Untreated



BlueN



Variety: Punchy  
Grown for processing (crisps)  
Location: Doncaster