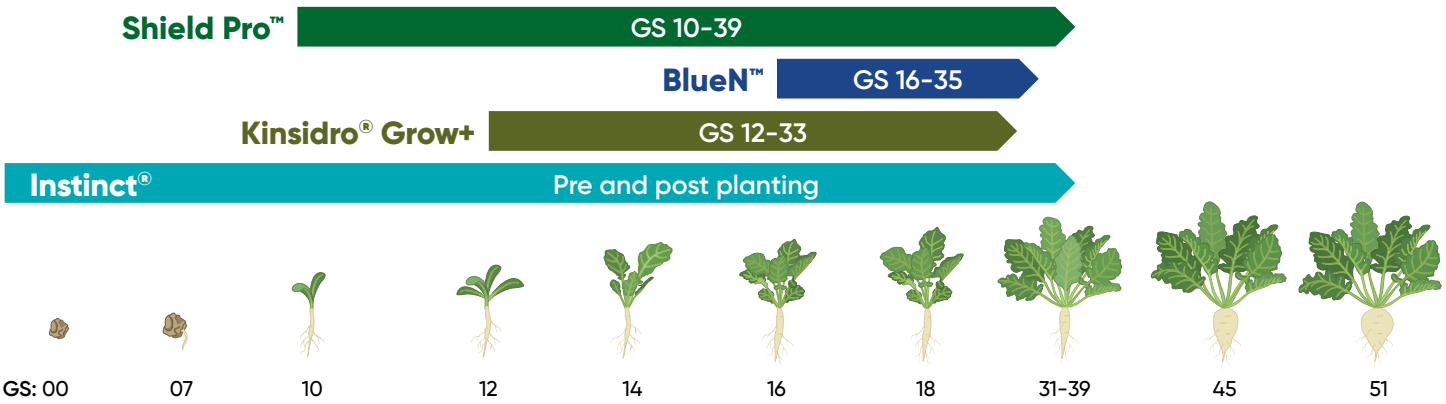
CORTEVA™ agriscience

Sugar beet product solutions



Shield Pro™

HERBICIDE

Shield Pro™ is the tried and trusted herbicide for control of yield-robbing weeds in sugar beet.

Contains: 400 g/L Clopyralid.
Application timing: GS 10-39 (when crops meet between the rows). Latest application timing for volunteer potato control is end of June.
Application method: Sprayer.
Key benefits:

- The leading solution for thistles and volunteer potatoes that also boosts the activity of your tank mixture, giving wider control of other broad-leaved weeds in sugar beet, including mayweeds, fools parsley and fat hen.
- Excellent crop selectivity and compatibility.
- Easy to use and convenient 2 L bottle with self-seal cap technology, simplifying waste disposal and improving fill up operations.

Formerly known as Dow Shield® 400.

Instinct®

Optinyte™ technology

NITROGEN STABILISER

Instinct® improves crop performance and sustainability through better nitrogen management.

Contains: 300 g/L Nitrapyrin.
Pack size: 10 L
Recommended rate: 1.7 L/ha
Maximum dose: Do not apply more than a total of 3.4 L of Instinct per hectare per year. (125 days must elapse between applications).
Application timing: Applied in spring. Flexible - pre and post planting, best applied as close to main fertiliser application. For optimum performance 12 mm of rain or irrigation is required within 10 days of application.
Key benefits:
When using Instinct, farmers and the environment will benefit from:

- At least 8 more weeks of nitrogen availability in the soil.
- 50 % less greenhouse gas emissions.
- 45 % less nitrogen leaching.
- 28 % greater nitrogen-in soil-retention.
- Optimised nitrogen use.

Kinsidro® Grow+

PHYSIOLOGICAL SUPPORT

Kinsidro® Grow+ is a foliar biostimulant for use in a wide range of crops including sugar beet.

Contains: Fulvic acids (62 %), humic acid, potassium oxide (13.6 %), sulphur trioxide (12.5 %) boron (0.04 %) cobalt (0.05 %) copper (0.08 %) manganese (0.08 %) molybdenum (0.008 %) zinc (0.05 %).
Pack size: 1 kg
Recommended rate: 150 g/ha
Maximum no. of applications: 2 applications per crop.
Application timing: With 1st or 2nd herbicide application.
Application method: Foliar with sprayer.
Rainfast: 3 hours.
Key benefits:

- Reduces risk of herbicide damage to the crop.
- Production of antioxidants reduces the risk of oxidative stress caused by herbicides and environmental conditions.
- Influences cell division and growth so stimulating healthy crop root and leaf growth.
- Improved plant health by stimulating its metabolic activity, energy economy and stress durability.

CORTEVA™ agriscience biologicals

growing together

BlueN™

NUTRITIONAL EFFICIENCY

BlueN™ allows sugar beet crops to efficiently use nitrogen and other nutrients. BlueN colonises growing leaves to support growth throughout the crop cycle. The product helps sugar beet growers to get more from their nutrient investment in a smarter way, reducing waste and minimising nutrient loss to the environment.

Contains: *Methylobacterium symbioticum*.
Pack size: 3 kg
Recommended rate: 333 g/ha
Maximum no. of applications: 1 application per crop.
Application timing: GS 16 - 35.
Application method: Foliar with sprayer.
Rainfast: 1 hour.
Key benefits:

- Colonisation of the sugar beet by BlueN stimulates extended plant growth and increased nutrient supply to support plant metabolism.
- BlueN supports continuous nutrient efficiency by enhancing multiple metabolic functions in the plant resulting in:
  - Sustained photosynthesis.
  - Delayed senescence of leaves.
  - Enhanced uptake and concentration of nutrients thanks to a larger root system and signalling efficiency within the plant.
- BlueN is simple to store and apply. BlueN has a shelf life of two years.

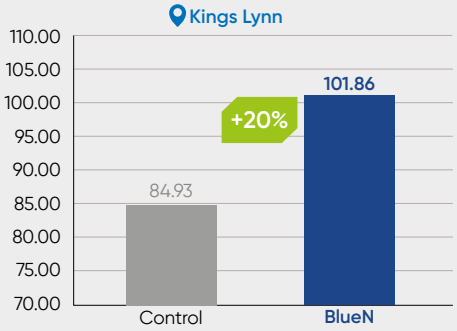
Across 14 sites, when supplementing the planned fertiliser regimen, BlueN has shown to increase adjusted yields by up to 12.5 % compared to the control (no BlueN treatment). At the 2025 price of £33/t, BlueN returned a margin over input cost of £415/ha.

BlueN performance in sugar beet trials in 2024

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

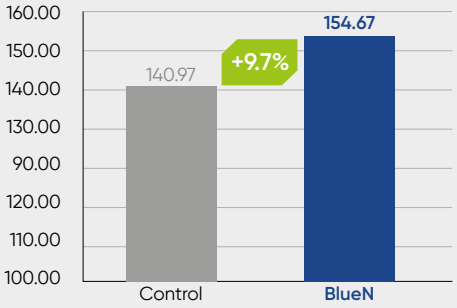
Adjusted yield T/ha (at 16 % sugar)

Kings Lynn



BlueN applied 20th June. Applied N: **120 kg/ha.**
Soil type: **Sandy loam.** Variety: **KWS Smart Rixta.**

Scunthorpe



BlueN applied 6th June. Applied N: **75 kg/ha.**
Soil type: **Silty Clay.** Variety: **BTS 1915.**

Scan the QR code or visit **www.corteva.com/uk/contact-us/sign-up**, select **sugar beet** as a preference and **keep up-to-date with our latest innovation.**

www.corteva.com/uk/crops/sugar-beet

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