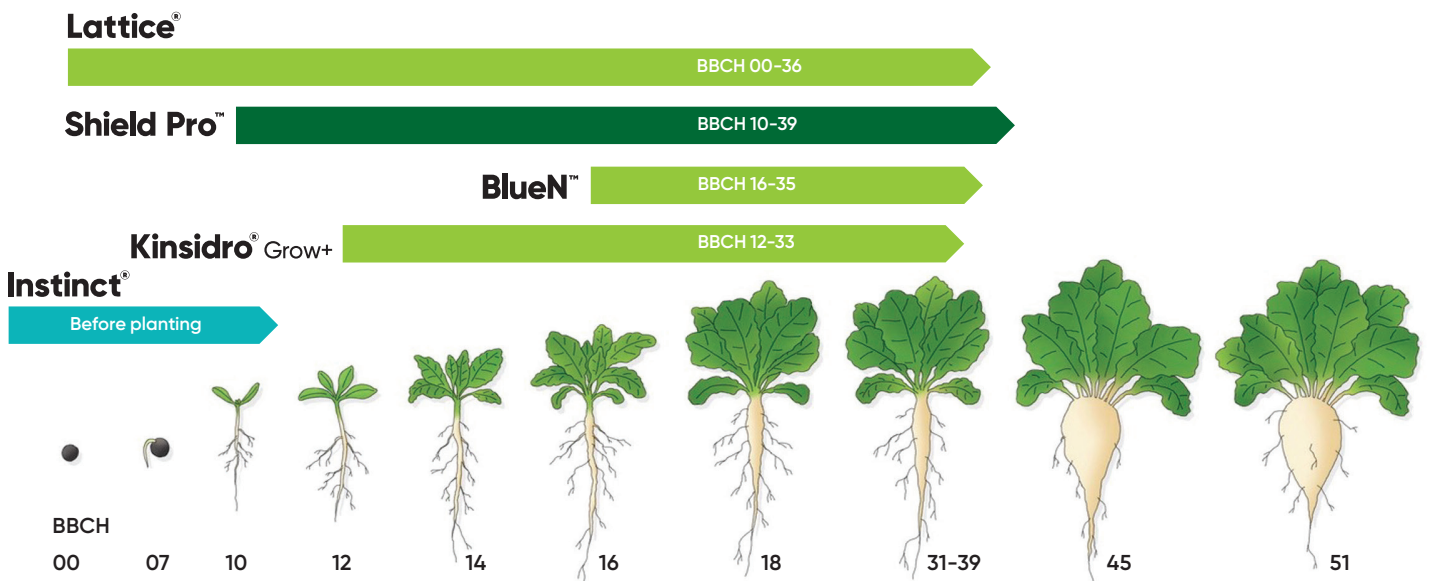




Helping you to maximise your sugar beet yield.



Shield Pro™

HERBICIDE

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

Contains: 400g/L Clopyralid.

Application timing: BBCH 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 2L 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: 300g/L Nitrapyrin

Pack size: 10L

Recommended rate: 1.7L/ha

Maximum dose: Do not apply more than a total of 3.4L 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 12mm 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+

PLANT GROWTH BIOSTIMULANT

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: 1kg

Recommended rate: 150g/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.

Lattice® is a biostimulant that improves soil structure and acidification around rhizosphere and microbial activity around the roots, solubilising phosphorus and making it available to the plant whilst stimulating the production of nitric oxide and indoleacetic acid.

Contains: *Lactobacillus farciminis* and *Lactobacillus rhamnosus*.

Pack size: 3kg

Recommended rate: 1kg/ha

Maximum no. of applications: 2 for sugar beet

Application timing: Immediately before or after planting, followed by 7 days after planting, when soils are moist and soil temperatures are between 5-25°C.

Application method: Foliar with sprayer.

Key benefits:

- Enhances soil health and microbial activity.
- Improves acidification of rhizosphere.
- Stimulates and promotes root system growth.
- Improves availability and uptake of macro and micro nutrients through the root system.
- Improves crop development including increasing biomass and crop vigour.
- Increases yield and quality parameters.
- Enhances plant growth and resilience.

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

Contains: *Methylobacterium symbioticum*.

Pack size: 3kg

Recommended rate: 333g/ha

Maximum no. of applications: 1 application per crop.

Application timing: BBCH 16 – 35

Application method: Foliar with sprayer.

Rainfast: 1 hour

Key benefits:

Enhanced plant growth and resilience.

- BlueN enhances plant growth and resilience by producing a constant flow of nitrogen directly inside the plant, to the plant. This process occurs throughout the growing season.

Easy to use.

- BlueN is simple to store and apply. BlueN has a shelf life of two years.

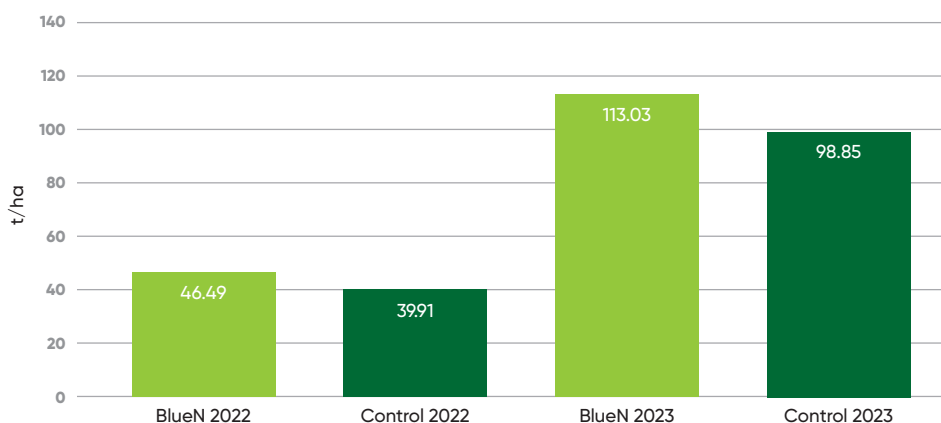
Provides a sustainable source of nitrogen

- BlueN meets changing market expectations by providing a supplementary and sustainable source of nitrogen, without the risk of leaching or releasing additional greenhouse gases. BlueN reduces the dependency of nitrogen fertiliser uptake from the soil and ensures the plant has access to nitrogen all season long.

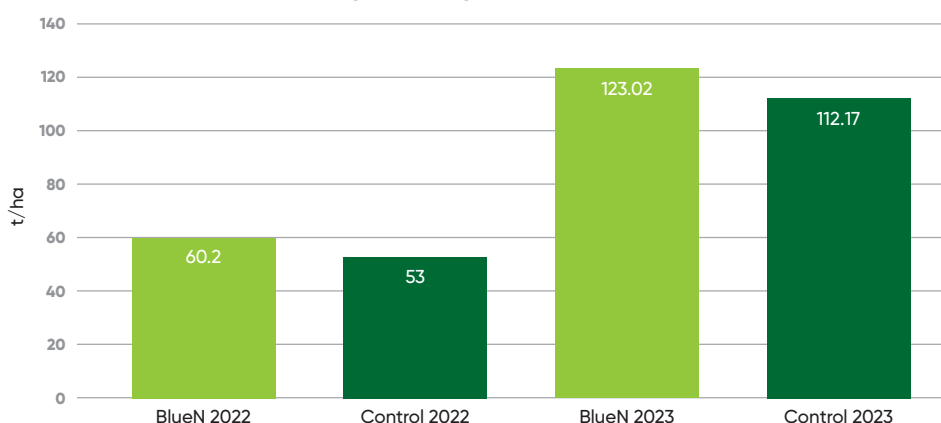
BlueN in sugar beet trial, near Fakenham, Norfolk 2023

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

Adjusted clean yield to 16% sugar



Clean gross sugar beet yield t/ha



Conclusions

- BlueN investment: £30/ha.
 - Yield benefit: +14.18t/ha (+14%) = +£560ha
- Sugar beet price: £40/t

Discover more at www.corteva.co.uk/sugarbeet

Visit us at www.corteva.co.uk

USE PLANT PROTECTION PRODUCTS SAFELY. Always read the label and product information before use. For further information including warning phrases and symbols refer to label.

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BlueN™ contains *Methylobacterium symbioticum*. Shield Pro™ contains clopyralid. Instinct™ contains nitrapyrin. Kinsidro® Grow contains Fulvic Acid, Humic Acid, Potassium Oxide (10%) Sodium Oxide (3.75%) Sulfur Trioxide (6.25%) Boron (0.04%) Cobalt (0.04%) Copper (0.04%) Manganese (0.04%) Molybdenum (0.005%) Zinc (0.05%). Lattice® contains *Lactobacillus farciminis* and *Lactobacillus rhamnosus*.