

Helping you to maximise your sugar beet yield.

Shield Pro™

GS 10-39

BlueN™

GS 16-35

Kinsidro® Grow+

GS 12-33

Instinct®

Before planting

GS: 00

07

10

12

14

16

18

31-39

45

51

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 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: 300 g/L Nitrapyrin.

Pack size: 10 L

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 biostimulant containing humic substances. It is manufactured by a patented process from sustainably grown Nordic pine forests. It contains a high concentration of fulvic acid in a low rate, easy to use, formulation.

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

Application timing: With 1st or 2nd herbicide application.

Application method: Foliar with sprayer.

Rainfast: 3 hours.

Key benefits:

- Mitigates or reduces the risk of herbicide damage.
- Stimulates the production of antioxidants in the crop that reduce the risk of oxidative stress caused by herbicides and environmental conditions.
- Kinsidro Grow+ influences cell division, stimulating healthy crop root and leaf growth.

BlueN™ provides the sugar beet crop with a supplementary and sustainable source of nitrogen, without the risk of leaching or volatilisation that release greenhouse gases. Providing nitrogen inside the plant, BlueN reduces the dependency of nitrogen fertiliser uptake from the soil and ensures the plant is supplied with nitrogen all season long.

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:
Enhanced plant growth and resilience.
• BlueN enhances plant growth and resilience by producing a constant flow of nitrogen from directly inside the plant, to the plant. This process occurs throughout the growing season with trials and commercial use showing significant increases in crop yields.
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.

Across 14 sites, when supplementing the planned fertiliser programme 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.



Scan the QR code or visit www.corteva.co.uk/signup, select **sugar beet** as a preference and **keep up to date with our latest innovations**.

For more information about solutions for sugar beet growers visit www.corteva.co.uk/sugarbeet

BlueN performance in sugar beet trials in 2024

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

