

Xbeet[®] enrich 300

Technical Data Sheet

Essential Nutrients, Exceptional Results

Developed specifically for the UK, Germains Seed Technology unveils Xbeet enrich 300, an innovative new sugar beet seed treatment.

Xbeet enrich 300 has proven to consistently deliver yield increases of 1.8% - equivalent to 1.35 tonnes per hectare for a 75t/ha grower - in trials and on-farm, in comparison with the current market leader, Xbeet[®] enrich 200.

What is Xbeet enrich 300?

Xbeet enrich 300 is the newest addition to Germains Seed Technology for sugar beet seed treatments. This cutting-edge technology has been built on the capabilities of the market leading Xbeet enrich 100 and 200.

The purpose of enrich 300 development has been to create a product that combines ingredients capable of working together to encourage accelerated and more uniform germination of sugar beet seed.

This results in the rapid growth of robust plants that can readily confront challenges in the early stages of the growing season.

How does it differ from Xbeet enrich 100 and 200?

Xbeet enrich 300 incorporates the ingredients that have proven the capabilities of Xbeet enrich 100 and 200 and now also includes micro and macro-nutrients essential for both root and leaf development.

In addition, Xbeet enrich 300 also includes improved seed priming technology, to further boost germination rates and germination vigour, providing enhanced performance under stressful conditions.

Results show quicker canopy growth, leading to the attainment of the 'mature plant resistance' stage sooner. This stage signifies the plant's enhanced ability to withstand insect and disease pressure.

300



Key benefits



Promotes plant emergence



Optimised priming strengthens early development



Nutrients for increased growth & root development



Bio stimulants for improved early crop growth



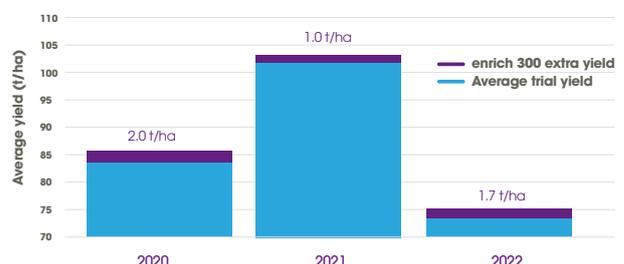
Helps deliver consistent, higher yielding crops



Trialled and tested for UK climate

Extra yield from enrich 300 over enrich 200

Delivers at least 1t/ha extra yield, even more under stressful conditions.



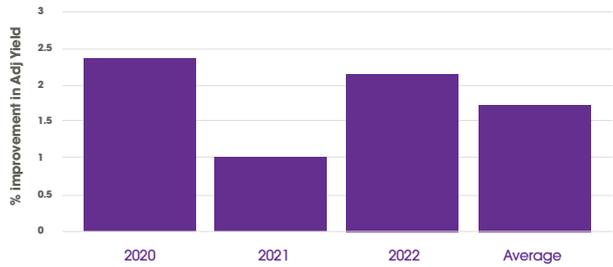
Emergence counts from grower engagement trials

Emergence % from grower trials over 3 years (2021-23) 50 sites across UK growing area.



% difference in adjusted yield summary by year

Enrich 300 improvement over enrich 200.



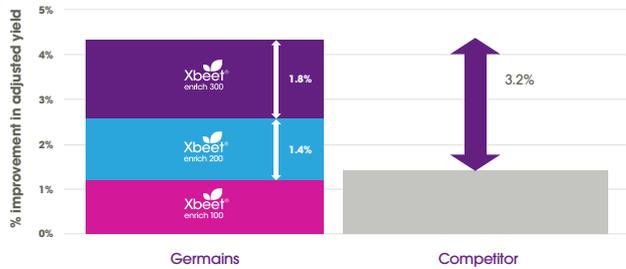
Yield increases

When compared to Xbeet enrich 200 for an average 75t/ha grower.



Comparative Data

Comparative improvements in % adjusted yield. Percentage improvement in adjusted yield vs unprimed.



Root architecture adapts when plants are nutrient limited.

Placing nutrients in the pellet makes them accessible to the limited root system of a seedling. This helps ensure rapid early growth and strong root system.



Xbeet + **Nutrients** + **Bio stimulants** = **Faster Growth** **Consistent**

- Xbeet**: Optimised priming speeds up germination
- Nutrients**: Promotes plant growth and root development
- Bio stimulants**: Supports nutrient uptake and boosts plant growth
- Faster Growth**: Reaches "Mature Plant Resistance" (MPR). Earlier canopy development
- Consistent**: Higher yielding crops

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Find out more about the next generation of sugar beet seed treatments

germins®
seed technology