

# Xbeet<sup>®</sup> enrich 200 Technical Data Sheet

## Accelerating growth from seed to maturity

We are proud to offer our new and improved product in the Xbeet<sup>®</sup> enrich series. Using cutting-edge seed technology, Xbeet<sup>®</sup> enrich<sup>200</sup> promotes early plant growth and crop development. Independent verified testing\* shows that Xbeet<sup>®</sup> enrich<sup>200</sup> outperforms its market-leading predecessor Xbeet<sup>®</sup> enrich<sup>100</sup>

## What is Xbeet<sup>®</sup> enrich<sup>200</sup>?

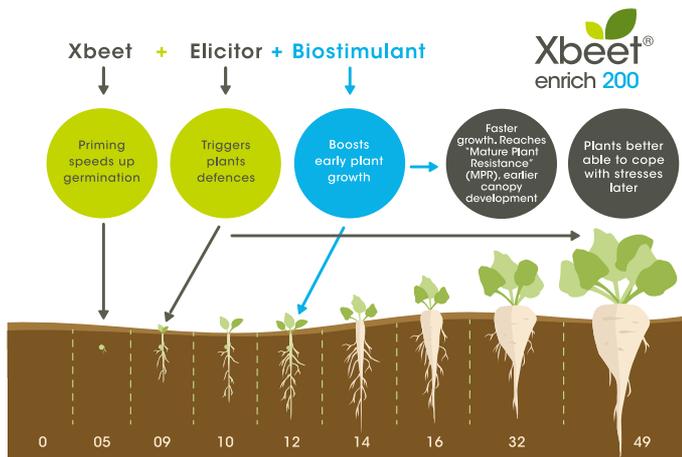
Xbeet<sup>®</sup> enrich<sup>200</sup> helps young plants reach the critical 12-leaf stage as quickly as possible. This ensures sugar beets have the natural defences needed to cope with later stressors, such as suboptimal environments and unpredictable weather conditions.

## How is it different from Xbeet<sup>®</sup> enrich<sup>100</sup>?

Xbeet<sup>®</sup> enrich<sup>200</sup> includes all the effective ingredients of Xbeet<sup>®</sup> enrich<sup>100</sup>, with the added benefit of an innovative plant-derived biostimulant. In combination with the elicitor, this boosts early plant growth, helping crops deal with pressures of pests, diseases and competitive weed situations.

## What is biostimulant?

Biostimulants are defined as "materials, other than fertilisers, that promote plant growth when applied in small quantities." Using a biostimulant has been proven to boost early growth, helping plants during the most vulnerable stage of development.



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seed technology  
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## Key benefits



Increases the promotion of plant emergence



Uses biostimulants for improved early crop growth



Further enhances uniformity of canopy cover



Helps deliver more consistent, higher-yielding crops



Trialled and tested for UK climate

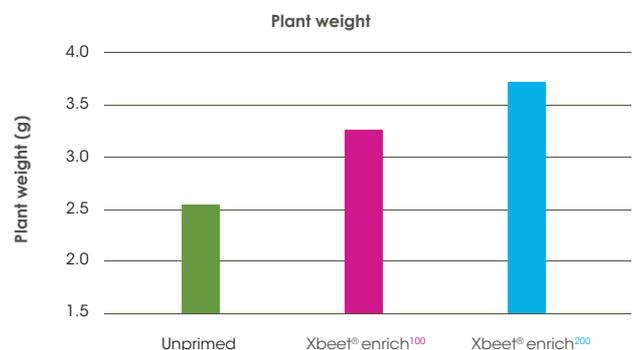


Independently verified results

## Xbeet<sup>®</sup> enrich<sup>200</sup> trial results

### Plant weight (controlled environment test)

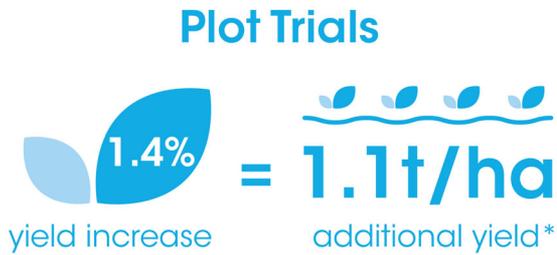
Xbeet<sup>®</sup> enrich<sup>200</sup> has shown an increase in plant weight, demonstrating the impact of biostimulant in boosting early plant growth. This has direct influence on the final sugar yields and profits.



## Small plot trials

Small plot trials have shown an average yield benefit of 1.4% over Xbeet® enrich<sup>100</sup> during 3 years of trials.

This yield increase results in an additional yield of 1.1 tonnes per hectare. Results were significant at 95% confidence level, all data verified by NIAB.



## Strip trials

Strip trial data from 2018 highlighted an average of 2.5% increase in yield across three trial sites.

This yield increase resulted in 1.9 additional tonnes per hectare.



## Yield results\*

For decades Germains' scientists have been conducting field trials across the UK to measure how our Xbeet® products perform in various soils and conditions. Independent trials have been carried out in collaboration with Armstrong Fisher, BBRO and verified by NIAB.

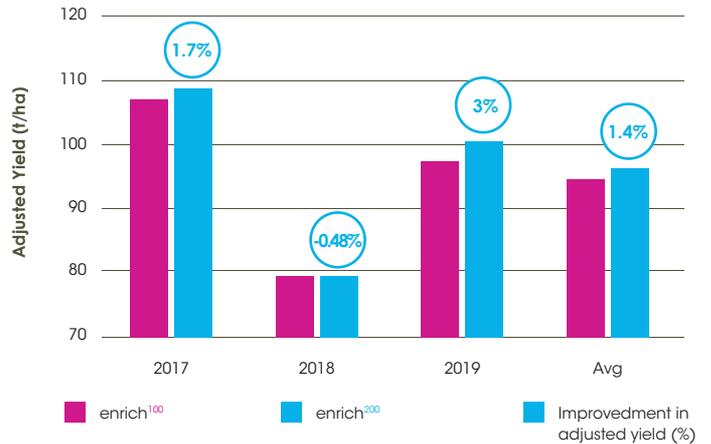
Want to discover more about our Xbeet® enrich series?

✉ UKSugarBeet@germains.com

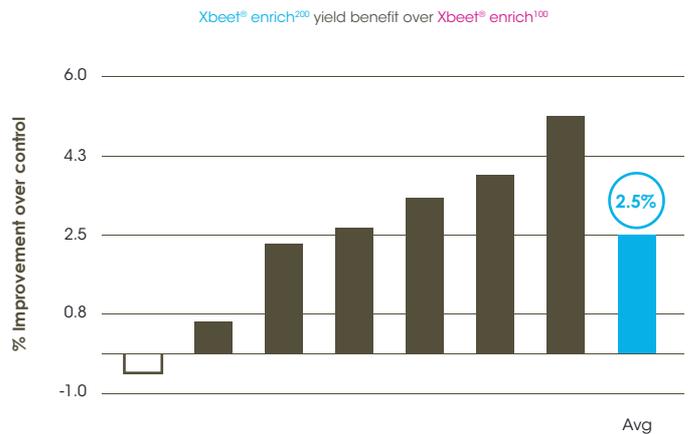
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Small plot trials have shown a significant yield benefit of 1.4% from Xbeet® enrich<sup>200</sup> vs Xbeet® enrich<sup>100</sup> during 3 years of trials.



Commercial scale strip trials in 2018 & 2019 have given an average of 2.5% increase in yield across three trial sites in the UK.



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