



# ***SURGE***<sup>®</sup>

Where microbes meet micronutrition



Fielder



# OUR MISSION

01

We designed **Surge** to be retail-ready — easy to explain, easy to apply, and backed by real agronomic performance. It bridges the gap between biological and nutritional seed treatments, offering your customers a smarter investment without the hassle of pre-mixing or wastages.

02

Innovation and trust - this has been in testing for 5 years, it's not just another seed coat — it's a proven UK solution that gives growers what they want: biological innovation, reliability, and profitability.

03

**Surge** helps you build trust with your growers. It delivers visible early-season benefits and is a product you can sell with confidence.





## WHAT IS *SURGE*?

*Surge* from Fielder is a cutting-edge seed treatment that combines the root-enhancing power of 3 strains of bacillus bacteria with our high-performance manganese seed treatment.

This unique blend is designed to meet the growing demand for novel, sustainable crop inputs that reliably improve your growers profitability. After many years of research we have a product that -

- boosts early plant establishment
- enhances nutrient uptake with better roots
- improves stress resilience
- has less reliance on other synthetic inputs

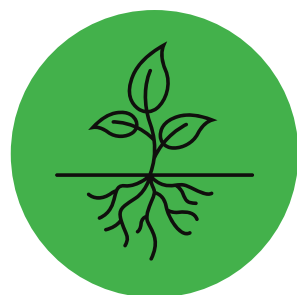


# BENEFITS OF *SURGE*

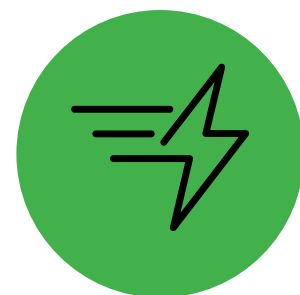
- **Dual-Action Synergy** - elite bacillus that works in combination with Fielder Manganese to further solubilise Mn (and other nutrients) from the soil.
- **Enhanced Germination and Early Growth** - the combination of bacillus & Mn ensures that seed has the necessary nutrients and microbial support for rapid and uniform germination, leading to stronger and more vigorous crops.
- **Substantial root biomass enhancement** - *Surge* has shown to enhance rooting by 30%, allowing the crops to better access water and nutrients.
- **Proven results** - we fully stand behind the reliability and results of this product. With over 8 years of data we have seen as much as 20% increases in yield.



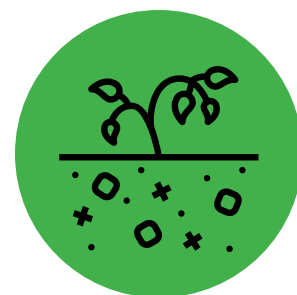
***SURGE***<sup>®</sup>



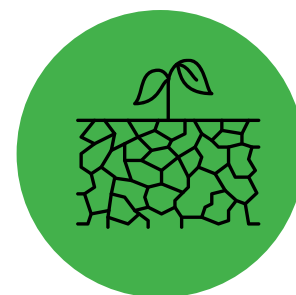
Rooting



Faster  
Germination



Mobilises  
Nutrients



Stress-  
proof



Proven and  
trustworthy

 **Fielder**



# WHY *SURGE* IS DIFFERENT TO OTHER TREATMENTS?



01

*Surge* is one of the first products to combine biologicals and micronutrients in a single, easy-to-use treatment. This synergy gives crops both a biological head start and nutritional strength right from emergence.

02

*Surge* is provided as a 1-can liquid solution - no pre-mixing, wastage or MOQ's. Designed to be easy-to-use, and effective..

03

Whilst we can't claim control on pathogens, we have seen some amazing results in the crops handling fungal disease conducted at the University of Nottingham, due to an enhanced defence system.

04

UK grown bacillus that has been developed and tested to best live in harmony with Fielder's micronutrients. Extended shelf life in the can of at least 10 months.

05

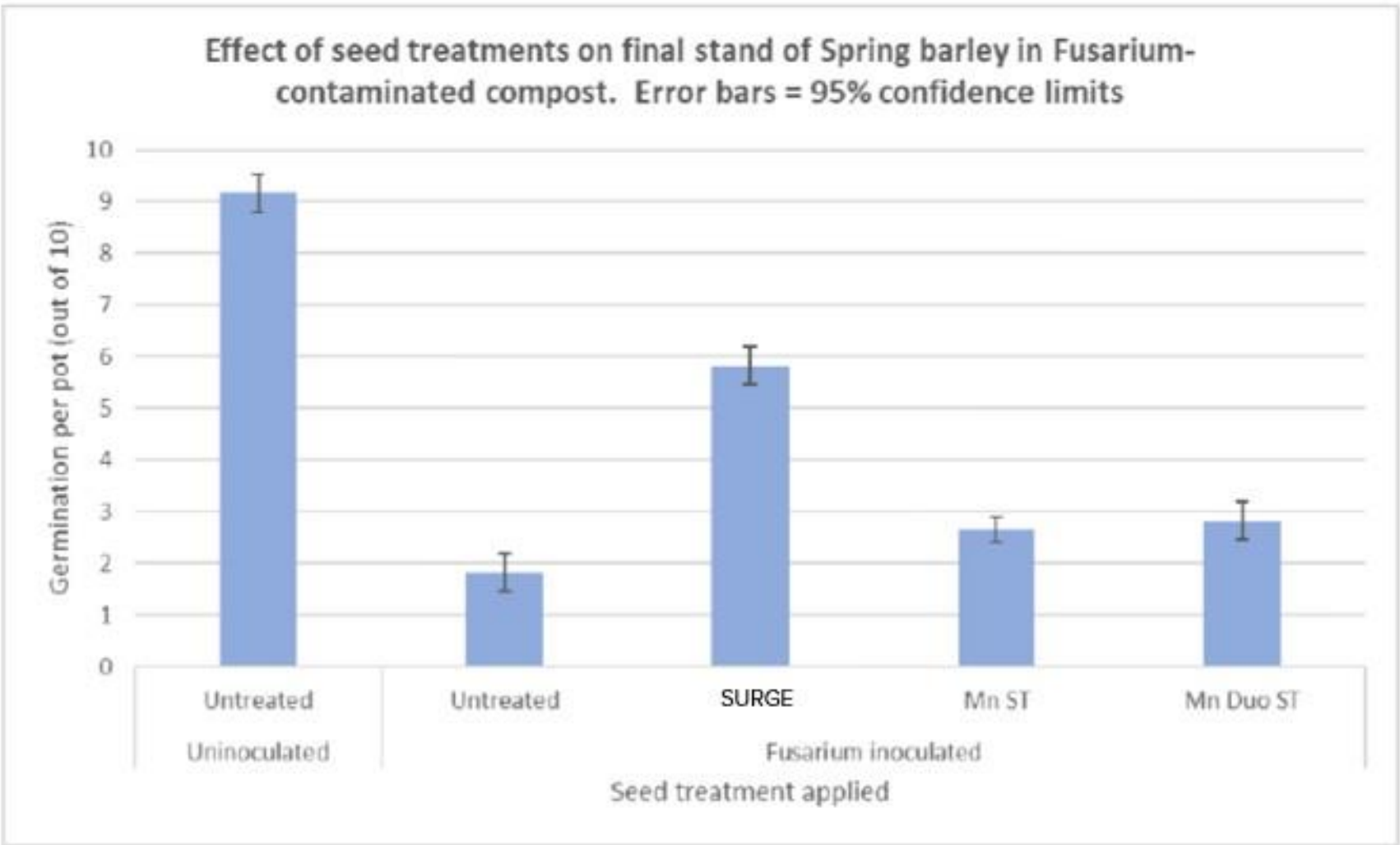
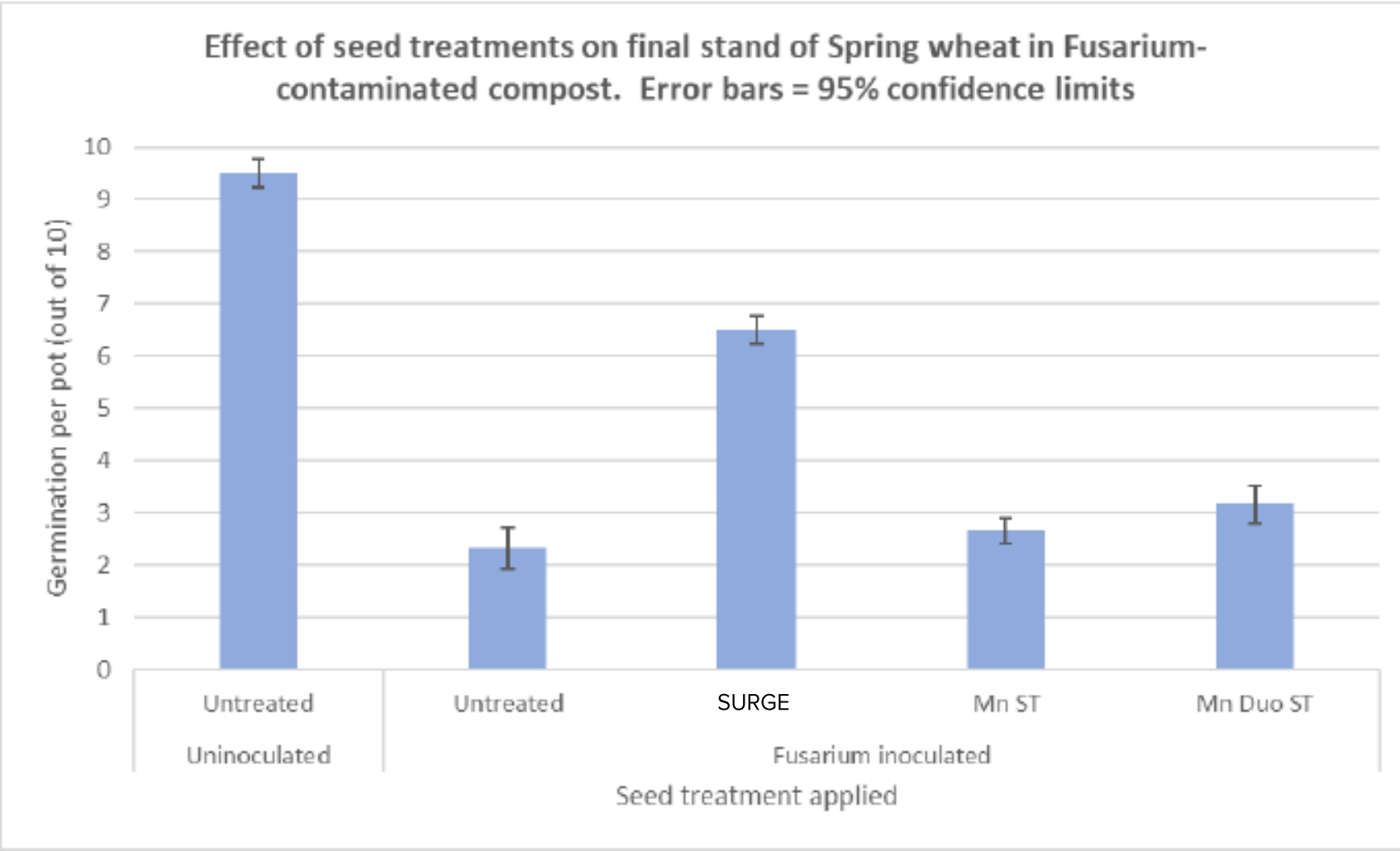
Works with other PPP seed treatments. Fielder seed treatments are known for retaining their pink colour on the seed, so growers will have confidence their seed has been treated.

06

*Surge* aligns with the growing demand for biological and nutrient-efficient inputs, helping reduce reliance on early synthetic foliar sprays while supporting sustainable crop production.

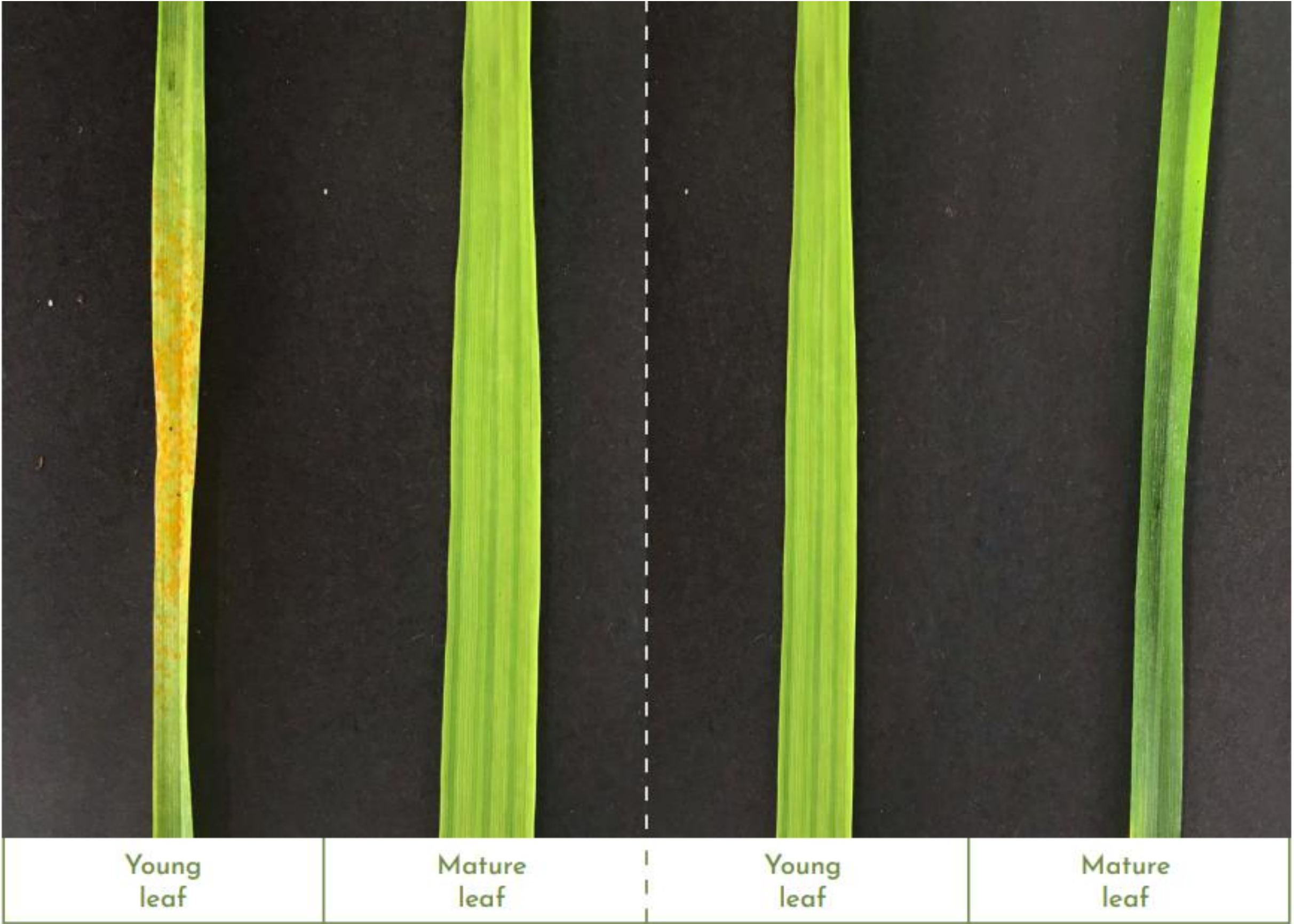


# ***SURGE*** EFFECT ON DISEASE



Nine cm pots were filled with either uninoculated or Fusarium-inoculated compost and sown with 10 wheat or barley seeds. Six replicate pots were set per interaction. Plant growth was assessed at 10 d after planting to evaluate emergence and 20 d post-planting to evaluate the survival of plants in the presence of the pathogen. A photographic record of plant development was made after 20 d.

# ***SURGE*** EFFECT ON DISEASE - RUST







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**SURGE** SEED TREATMENT

Where microbes meet micronutrition

**SURGE**®

BACILLUS + NUTRIENT SEED TREATMENT



Fielder

Thank  
You



**SURGE**®



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