Omnia

SEED COATING SOLUTIONS

SECURE YOUR YIELD POTENTIAL

omnia NUTRIOLOGY*

*the science of growing

Your seed is the key investment when it comes to broadacre cropping. Without a healthy, viable seed you have little chance of a strong crop. Omnia's seed coating solutions have been developed to enhance early root growth and germination and to supply available nutrients exactly where they are needed. Omnia gives you the "insurance" you need when it comes to your seed.

BACSTIM® SEED

Your microbial seed coating solution

Contains 5 strains of Bacillus spp.
Total concentration of 50 x 10^9 CFU/ml (50 billion CFU/g)
2 strains of *Bacillus licheniformis*
2 strains of *Brevibacillus laterosporus*
1 strain of *Bacillus amyloliquefaciens*

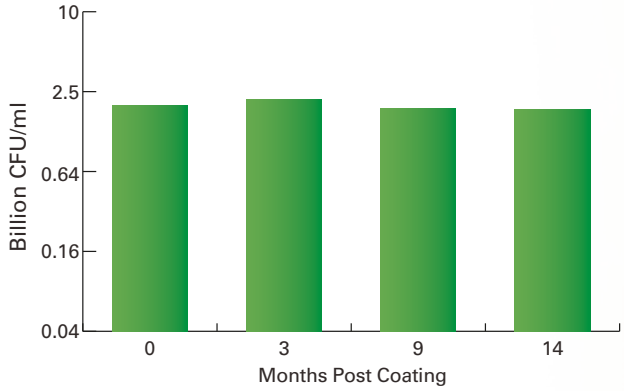
The highly beneficial *Bacillus* species in Bacstim® Seed have known synergistic relationships with plant roots and the rhizosphere. Applying these bacteria onto the seed is the easiest way to maximize their benefits. These benefits include:

- Phytohormone production to promote root growth
- Improve nutrient mineralization and uptake within the root zone
- Improve stress resistance
- Enhance crop biomass and yield

Application Rates

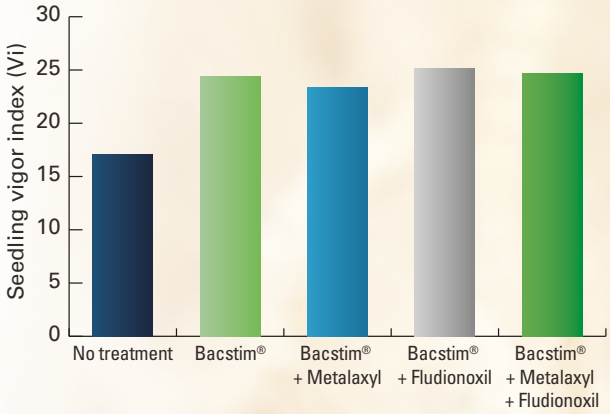
Crop	Dosage (g/ tonne of seed)	Application
Wheat	100-150	• Bacstim® Seed can be mixed with up to 4L/t of OmniSeed*Zinc*. • Agitation during seed coating ensures uniform application of Bacstim® Seed. • Seed to be planted within 12 months of coating.
Barley	100-150	
Soybean	100-200	
Chickpea	100-150	

BACSTIM® SEED LONGEVITY



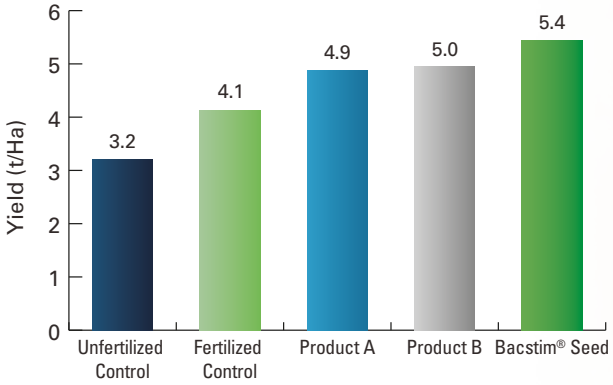
- *Coated seeds were dried and stored at room temperature.*
- *The Bacstim® Seed remained viable on the seed for up to 14 months after coating.*

BACSTIM® SEED + FUNGICIDES



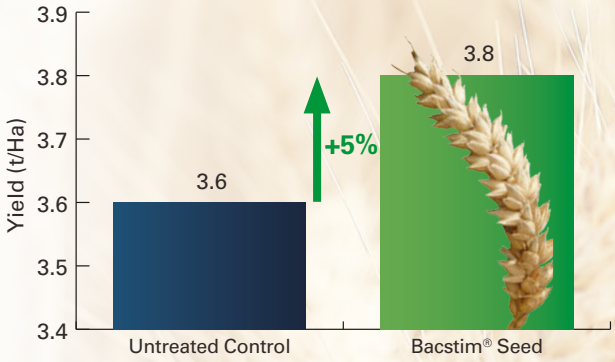
- *Seedling Vigour Index = ((RL+SL)×G%))/100.*
- *Bacstim® Seed remained stable and improved seedling vigour in the presence of fungicides.*

QLD 2021- WHEAT TRIAL



- *Independent trial comparing different biostimulants to a fertilized and unfertilized control.*
- *Bacstim® Seed applied at 100g per tonne of seed gave the greatest improvements in the trial.*
- *Gross margin increased over $700/Ha, and a return on investment just under $200 per dollar spent.*

WA 2022 - WHEAT TRIAL



- *Bacstim® Seed applied at 100g per tonne of seed improved yield by 180kg/ha.*
- *Gross margin was increased by $90/Ha, for a return on investment of $12.80 per dollar spent.*

SOYBEAN - EARLY GERMINATION & DEVELOPMENT

- *Bacstim® Seed was applied to soybean seed at 160g/t and after two weeks of growth had significantly increased root growth by 57% and shoot growth by 30%. Note the more consistent plant size and enhanced root growth.*

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OMNISEED*ZINC*

Organically chelated liquid zinc chosen by many seed cleaners due to its ease of handling.

OmniSeed*Zinc* benefits include:

- High analysis
- Low viscosity, perfect for seed cleaning machinery
- Specifically formulated to prime the seed with zinc in an organic plant available form
- Contains kelp for early root growth
- Improved germination
- Zinc is scientifically proven to improve early root growth, stress resistance and increases yields

SEEDBOOST®

The seed dressing that makes a real difference to growth, yield and profit

SeedBoost® is an easy-to-use seed dressing liquid with high multi-nutrient analysis and root growth stimulants.

Aimed at developing a larger and stronger root mass, SeedBoost® improves crop establishment and has a positive impact on crop yield. All nutrients are present in highly available soluble forms, easily used by germinating seed.

SeedBoost® benefits include:

- Increases root growth
- Boosts seed quality and early vigour
- Restricts the impact of nematode damage and root pruning

Healthy well-developed root systems lead to improved:

- Moisture & nutrient utilisation
- Stress & disease resistance
- Yield potential
- Profit

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