



# Recruit Cereals WP

Endophytic Trichoderma root inoculant for improved growth and productivity.

*Active ingredient: Trichoderma spp ( - min.  $7 \times 10^8$  CFUs per gram)*

**Apply as seed dressing at seeding time, to establish beneficial Endophytic Trichoderma in the early stages of plant development OR can be applied directly into the liquid stream, onto the seed.**

## Positioning:

- "Endophyte" - living inside plant
- Target zone - Rhizosphere
- Key role in communication
  - Receive signals from plant (plant's needs, growth stage, stress conditions)
- Respond to plant's need by:
  - Recruiting functional groups to rhizosphere
  - Communicating plant's needs to rhizosphere team
  - Communicate back to plant (interaction with genetics of plant, up-regulating metabolic pathways, etc.)
- Actively participate in plant's metabolism
- Switching on of gene pathways is a dynamic process.
- Can be used in conjunction with Wilchem Bioteam to stimulate rhizosphere microbes



## Directions for Use:

- Premix with rain water and apply in furrow on the seed, or
- Seed treatment:
  - Use 5-10L liquified Recruit / tonne of seed to ensure every seed is covered

Crop	Rate	Timing
Cereals (Wheat, Barley etc.) (In Furrow - Liquid application)	7.5g/ha	Add Wilchem Recruit Cereals and Wilchem BioPhilm at 0.5% of the total liquid rate to the appropriate amount of liquid fertilizer at seeding.
Cereals (Wheat, Barley etc.) (Seed Treatment)	120g/Tonne	Dissolve 120gm in 5-10L non-chlorinated water, add 0.5% BiopHilm (25mL/5L), apply at seeding with appropriate applicator like a scud or similar

## Other Details:

- Endophytic Trichoderma, quickly enters the plant, and once inside produce metabolites via a symbiotic relationship that switch on genes. This action induces positive responses in germination, growth and vigor
- Improved photosynthesis and root development. The improved plant performance leads to improved yield and quality and maximizes water utilization
- Do not use with chlorinated water or water that has been treated with anti-microbial compounds

### IMPORTANT NOTES:

Contents may settle. Shake well before use. Keep in a cool (4°C to 24°C) place. Do not allow to freeze. Store out of direct sunlight. Do not use product after expiry date.



Contact your local Wilchem representative for more information