



# Recruit Hort 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. Can be applied to established perennial crops as a root drench**

## Positioning;

- "Endophyte" - living inside plant
- Target zone - Rhizosphere
- Key role in communication
  - Receive signals from plant (plant's needs, growth stage, stress, etc.)
  - 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)
- 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:

- Apply directly on the seed on the day of planting by either seed dressing or liquid in furrow
- Drench seedling root on day of treatment
- Premix Recruit Hort with the seed using non-chlorinated water
- See table below for liquid application options

## 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 vigour. Improved photosynthesis and root development leads to better soil health conditions. The improved soil health conditions lead to optimized nutrient and water use efficiency.

Crop	Rate	Timing
<b>Vegetables (Liquid Injection)</b>	50 g / Ha (2.4g / 10kg Seed)	Dissolve in 15L of non-chlorinated water and add to mixing tank. Minimum application volume is 100L per Ha is recommended at planting
<b>Potatoes (Liquid Injection)</b>	50 g / Ha (25g / 1T Seed)	Dissolve in 15L of non-chlorinated water and add to mixing tank. Calibrated injection pump is recommended for accurate application. Apply at planting or within a week of planting
<b>Tree crops (Irrigation)</b>	1g / tree	Dissolves in 15L of non-chlorinated water, apply as root drench or through irrigation system. For mature trees start at new root flush in the season and repeat in the autumn root flush. Larger trees use higher water rate.

Contact your local Wilchem representative for more information



## Compatibility with Agricultural Chemicals:

- Compatible with most fungicides, insecticides and liquid nutrition.
- Contact Wilchem for compatibility Charts
- Use of BiopHilm is highly recommended to extend tank mix life to 48 hours
- Do not use with chlorinated water or water that has been treated with antimicrobial 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 and do not use product after expiry date.

