Trichoderma for Crop Production

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**Trichoderma spp.** (Deuteromycetes, Moniliales)

- *T. harzianum, T. viride* and *T. hamatum* are common species used in biological control.
- *Trichoderma* is an avirulent plant symbiont that occurs in all agricultural soils.
- Highly competitive and displays antagonism against other pathogenic fungi.
- Colonizes plant root system and protects them from soil-borne pathogens.
- Decomposes organic material in which it grows.
- Plant growth promoter.
- Solubilizes and sequestrates inorganic nutrients.
- Releases compounds that activate plant defense mechanism.
- Successfully cultured for use as a biofungicide.
- Used in food and textile industry.
Trichoderma Production

Trichoderma production in India

Trichoderma production in Cambodia

Trichoderma production in the Philippines
Trichoderma Production in Indonesia
Production of *Trichoderma* in Bangladesh
Trichoderma Workshops

Conducted six workshops and trained over 200 people from Africa, Asia, and Central America in production of *Trichoderma*.
Effect of *Trichoderma* on Crop Growth

**Broccoli- Indonesia**

**Garlic- The Philippines**

Gross sales – onion/hectare in the Philippines

With *Trichoderma* = P217,020.00 ($5,106.35)

No *Trichoderma* = P171,284.36 ($4,030.22)

Difference = P54,235.64 ($1,277.32)
Thank You.