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# TRIDENT

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*Trichoderma Consotia*





Lyophilization: It is a preservation technique to store microbes to extend shelf life or make the microbes more convenient for agriculture application.

LYO Trident is unique combination of Compatible lyophilized Trichoderma strains such as *Viride*, *atroviride*, *asperellum*, *virens* and *zonatum*. It has good fungal repellent microbes. Its IHR researched Trichoderma consortia Strains and natural antifungal and antibacterial compounds use multiple modes of action to destroy pathogens.

As a foliar spray or soil drench, use LYO TRIDENT alone, in rotation, or tank mix with other crop protection products, to provide an excellent tool for resistance management. LYO TRIDENT is approved for use in organic production, with outstanding plant, human and environmental safety.

EARLY APPLICATION OF LYO TRIDENT PROVIDES PROTECTION AGAINST FUNGAL AND BACTERIAL DISEASES BY COLONIZATION OF PLANT SURFACES AND THROUGH THE DISEASE FIGHTING METABOLITES PRODUCED BY THE FUNGUS THAT DISRUPT AND DESTROY PATHOGEN CELL MEMBRANES.



## FEATURES AND BENEFITS

- + Controls disease using multi-site modes of action for effective resistance management
- + Shortest REI among fungicides (4 hrs. vs. up to 48 hrs.)
- + Improves resistance to diseases by increasing plant's natural defenses
- + Performance equal to fungicides products, without the associated risks of phytotoxicity and resistance
- + Leaves virtually no residue on plants or flowers
- + Safe for beneficial insects and predatory insects
- + Compatible with many chemical and biological inputs and tank mixing/rotating



## WHERE TO USE

LYO TRIDENT is for use in greenhouse, nursery, landscape, interiors cape, shade house and field (except fruits and vegetables); on ornamentals, trees, shrubs, potted and cut flowers, annuals, perennials, foliage, seedlings, conifers, and fruits and vegetables grown in greenhouse/nursery.

Trichoderma is mainly used to control soil-borne diseases as well as some leaf and panicle diseases of various plants. Trichoderma can not only prevent diseases but also promotes plant growth, improves nutrient utilization efficiency, enhances plant resistance, and improves agrochemical pollution environment. Trichoderma spp. also behaves as a safe, low-cost, effective, eco-friendly biocontrol agent for different crop species. The biological control mechanism of Trichoderma in plant fungal and nematode disease, including competition, antibiosis, antagonism, and mycoparasitism, as well as the mechanism of promoting plant growth and inducing plant systemic resistance between Trichoderma and plants, and expounded on the application and control effects of Trichoderma in the control of various plant fungal and nematode diseases. From an applicative point of view, establishing a diversified application



technology for Trichoderma is an important development direction for its role in the sustainable development of agriculture.

## PRODUCT INFORMATION



- + Available Sizes: 250 gm & bulk
- + REI & PHI: 4-hour REI, 0-day PHI

## APPLICATION NOTES



- + Should be used preventively when conditions favor disease development, but before the onset of symptoms
- + May be used at the first sign of symptoms
- + Foliar spray: apply with commonly used spray equipment, electrostatic or ultra-low volume equipment
- + Can be applied as often as every 3 days
- + Spray at 7-day intervals for prevention
- + Soil drench: apply with spray equipment or through Drip and Flood Irrigation

## APPLICATION RATES



- + Add spreader/sticker or wetting agent to improve canopy penetration and coverage
- + Rates will vary depending on disease pressure
- + Soil drench: 250gm/200 Liter; begin in propagation; repeat every 3-4 weeks
- + Foliar spray: 250 gm / 150 Liter /Acre
- + The most common rate is 25 gm/15 Liter

## GOING ABOVE AND BEYOND

At BACF, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just within day.

So you can get back to the business of successful growing.

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