

## MycoApply® EndoMaxx: Building Better Crop Performance

MycoApply® EndoMaxx contains four species of mycorrhizae fungi that colonize a plant's root system to promote root mass expansion, nutrient efficiency and drought tolerance for optimal plant health, performance and yield.

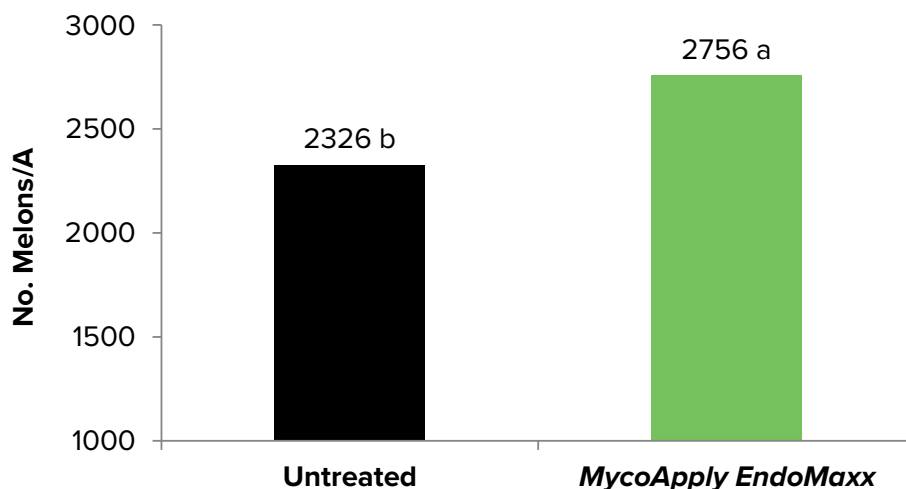
- ▶ **Root mass expansion**—Expands vascular network beyond roots and into soil by up to 50 times
- ▶ **Nutrient efficiency**—Absorbs and transports soil nutrients directly to the root including tightly-bound nutrients such as phosphorus and micronutrients
- ▶ **Drought tolerance**—Stores resources until needed by the plant and improves water availability and transport
- ▶ **OMRI listed and NOP compliant to fit both organic and sustainable production**



### Increased Watermelon Count Per Acre—Southeast

In multiple Southeast commercial watermelon grower trials, an application of *MycoApply EndoMaxx* in the transplant tray water or at-planting in the transplant water increased melon count an average of 18.5% versus the untreated check.

Source: Commercial watermelon grower trials in GA, FL and SC



Untreated

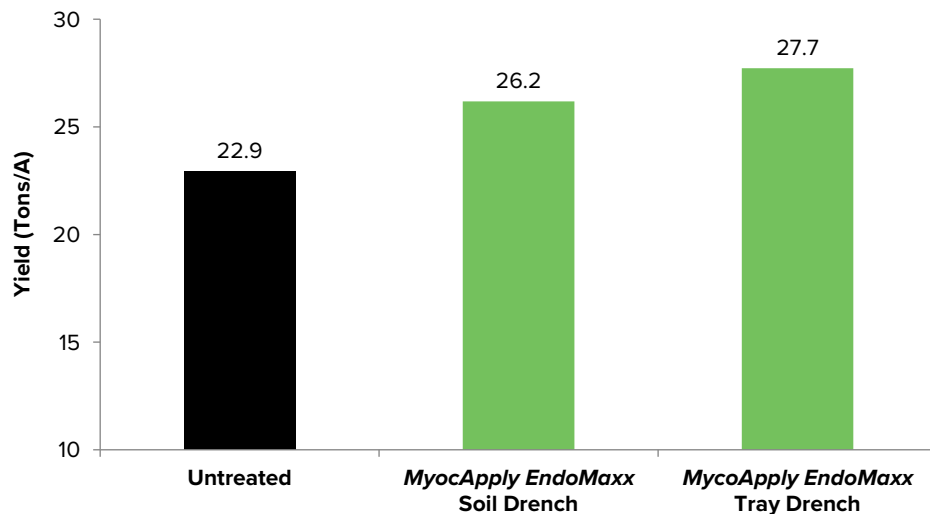


MycoApply EndoMaxx Treated

## Increased Watermelon Yields—Midwest

An application of *MycoApply EndoMaxx* to watermelon transplants as either a soil drench or as a tray drench resulted in a 14% or 21% yield increase, respectively, versus the untreated check.

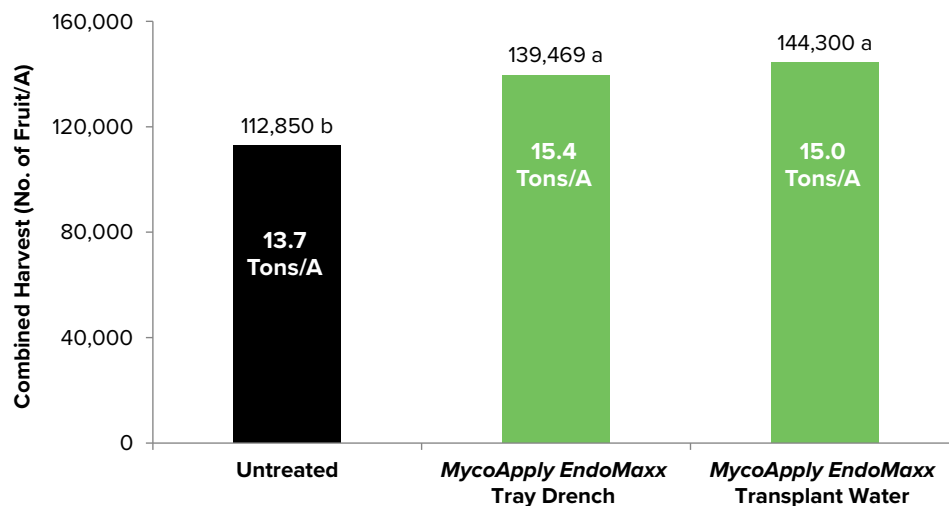
Source: Southwest Purdue Agricultural Center



## Increased Squash Yield—Florida

Squash transplants treated with *MycoApply EndoMaxx* as a tray drench or at-planting in the transplant water yielded 24% and 28% more fruit per acre, respectively, than the untreated check. Each treatment averaged 11% more tons of squash per acre.

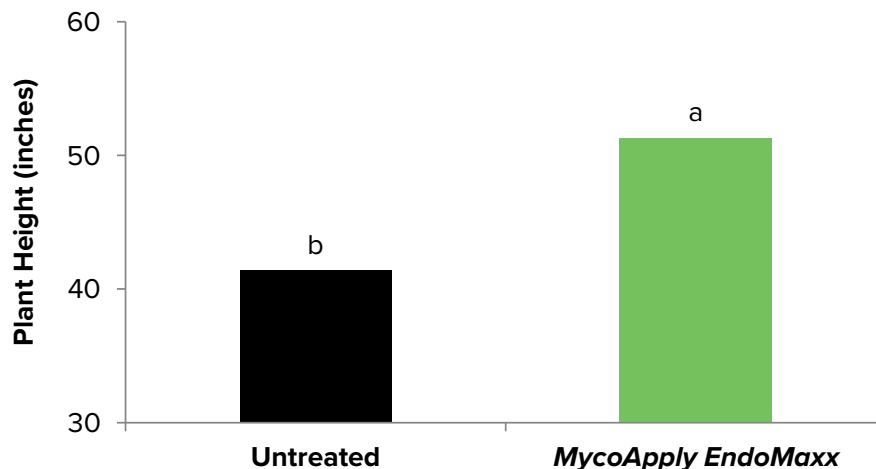
Source: Valent FL research trial



## Cucumber Treatment Response Plant Height—Georgia

In a Georgia cucumber trial, an application of *MycoApply EndoMaxx* in the transplant tray water resulted in a 24% increase in crop height versus the untreated check.

Source: Commercial cucumber grower trial in GA



## How To Use

Transplants Planting Rate / Use Rate	<15,000 plants/A	4–6 grams/A
	15,000–30,000 plants/A	6–8 grams/A
Application Method	<ul style="list-style-type: none"> <li>Pre-plant tray drench</li> <li>At-plant transplant water</li> </ul>	
Mixing	Pre-slurry is recommended	
Pack Size	10 x 160-gram pouches per case, with measuring scoops	



## MycoApply EndoMaxx Fungi Species

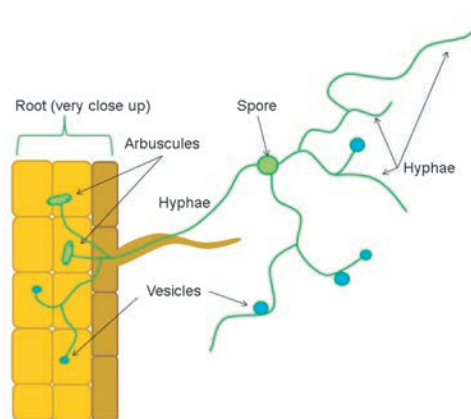
MycoApply EndoMaxx contains four endomycorrhizal arbuscular fungi species: *Glomus intraradices*, *G. mosseae*, *G. aggregatum* and *G. etunicatum* scientifically selected for their ability to help plants to capture nutrients and water from the soil. Together they provide more benefit than when applied alone. These combined species provide effective growth enhancement benefits under a broad range of environmental and cropping conditions.

## What Are Mycorrhizae?

Mycorrhiza is a fungus that forms a mutually beneficial relationship between the plant and roots via hyphae. The MycoApply EndoMaxx network of hyphae draws nutrients and water from the soil that the root system typically couldn't reach.

### Mycorrhizae are composed of:

1. Spores—Dormant in the soil producing hyphae when roots begin to grow
2. Hyphae—Find and form association with roots to expand into the soil for nutrients and water, beyond the root area
3. Vesicles—Stores resources until needed by the plant
4. Arbuscules—Transfers resources gathered by hyphae to the plant



## Do You Need MycoApply EndoMaxx?

Undisturbed soils are full of beneficial soil organisms including mycorrhizal fungi. However, research indicates many common practices can degrade mycorrhizal populations and eliminate beneficial soil fungi including tillage, eroded topsoil, compaction, fumigation and rotation from non-mycorrhizal crops. **Re-inoculation of MycoApply EndoMaxx restores beneficial populations to protect plant health and yield potential.**



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MycoApply EndoMaxx is NOP compliant and OMRI listed for organic production.

