**MycoApply® EndoMaxx: Building Better Crop Performance**

MycoApply® EndoMaxx contains four species of mycorrhizae fungi that colonize a plant’s root system to promote 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**

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**MycoApply EndoMaxx Increases Tomato Yield**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Marketable Fruit (lb/plot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated</td>
<td>37.7 b</td>
</tr>
<tr>
<td>MycoApply EndoMaxx (4 grams/A) (At-planting in transplant water)</td>
<td>42.0 ab</td>
</tr>
<tr>
<td>MycoApply EndoMaxx (4 grams/A) (Subsurface drip tape injection)</td>
<td>51.2 b</td>
</tr>
</tbody>
</table>

Tomato transplants yielded 15% more marketable fruit when MycoApply EndoMaxx was applied at-planting in the transplant water and 39% more from a post-plant drip application.

Means followed by the same letters are not statistically different (P<=0.10)

Source: Valent research trial, Vero Beach, FL. Yield is from all harvests combined.
Increases Fresh Tomato Yield and Fruit Size

Fresh tomato transplants treated with MycoApply EndoMaxx at-planting yielded 25% more 25-lb boxes/A and showed an increase in the amount of extra large fruit.

Source: University of California Cooperative Extension—Merced County

Increases Processing Tomato Root Mass

Processing tomato transplants showed a positive response to MycoApply EndoMaxx treatments with a more than 200% increase in root growth compared to the untreated control.

Source: Valent research trial, Yuma, AZ

Increases Processing Tomato Transplants Yield and Brix

Processing tomato transplants treated with MycoApply EndoMaxx yielded higher and showed a 10% increase in Brix versus the untreated check.

Source: Valent research trial, Yuma, AZ
Increases Bell Pepper Marketable Yield

Bell pepper transplants yielded 13% more marketable fruit when *MycoApply EndoMaxx* was applied as a tray drench, and 22% more from an application in the transplant water at planting.

Source: Valent research trial, Escalon, CA

Means followed by the same letters are not statistically different (P<=0.10)

Increases Bell Pepper Fruit Set

*MycoApply EndoMaxx* applied to bell peppers as a subsurface drip tape injection increased fruit set by nearly 19% versus the untreated.

Source: Valent research trial, Thermal, CA

Means followed by the same letters are not statistically different (P<=0.10)

How To Use

<table>
<thead>
<tr>
<th>Planting Rate / Use Rate</th>
<th>&lt;15,000 plants/A</th>
<th>4–6 grams/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15,000–30,000 plants/A</td>
<td>6–8 grams/A</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Application Method</th>
<th>Pre-plant tray drench, at-plant transplant water, subsurface drip tape injection</th>
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</thead>
<tbody>
<tr>
<td>Mixing</td>
<td>Pre-slurry is recommended</td>
</tr>
<tr>
<td>Pack Size</td>
<td>10 x 160-gram pouches per case, with measuring scoops</td>
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</tbody>
</table>
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. Spore—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. Vesicle—Stores resources until needed by the plant
4. Arbuscule—Transfers resources gathered by hyphae to the plant

**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.

**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.