

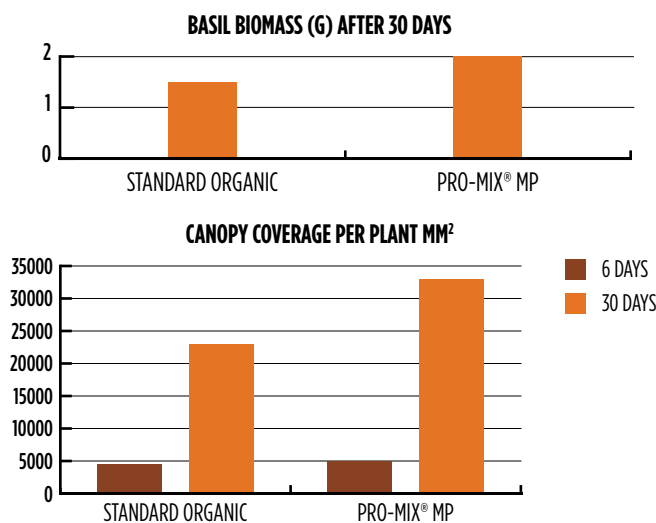
# MYCORRHIZAE™

## PROVEN RESULTS

**Project:** New PRO-MIX® MP MYCORRHIZAE™ ORGANIK™  
**Plant type:** Sweet Italian Basil  
**Location:** Tuinstra Greenhouse, LLC: Shelbyville, MI  
**Start Date:** September 12, 2014  
**Harvest:** October 14, 2014  
**Test Media:** New PRO-MIX® MP MYCORRHIZAE™ ORGANIK™  
 Standard organic mix (control)

- PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ and a Standard organic mix were used for 4 inch potted basil, 3 plugs per pot.
- Picture of Plants at 30 days were showing greener leaves in PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ media, as seen in picture.
- After 30 days growth, plants with the PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ had greater canopy surface (47% increase) per pot in comparison to the standard organic control.
- Dry weight of top growth was measured at 30 days.
- Plants in the PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ had 35% greater biomass.

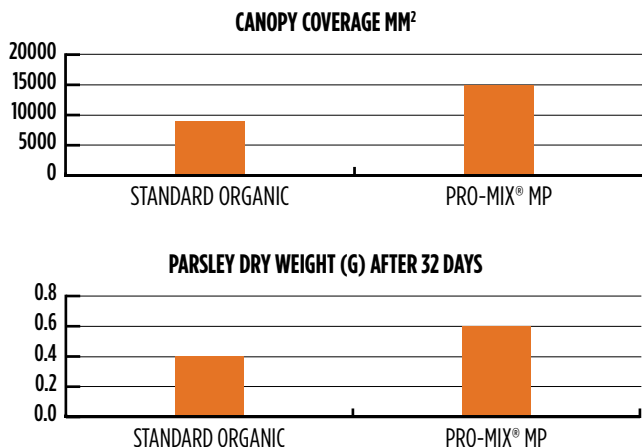
### SWEET ITALIAN BASIL



**Project:** New PRO-MIX® MP MYCORRHIZAE™ ORGANIK™  
**Plant type:** Parsley  
**Location:** Tuinstra Greenhouse, LLC: Shelbyville, MI  
**Start Date:** September 10, 2014  
**Harvest:** October 13, 2014  
**Test Media:** New PRO-MIX® MP MYCORRHIZAE™ ORGANIK™  
 Standard organic mix (control)

- PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ and a Standard organic mix were used for 4 inch potted parsley.
- Picture of Plants at 30 days were showing greener leaves in PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ media, as seen in picture.
- After 30 days growth, plants with the PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ had greater canopy surface (60% increase) per pot in comparison to the standard organic control.
- Dry weight of top growth was measured at 30 days.
- Plants in the PRO-MIX® MP MYCORRHIZAE™ ORGANIK™ had 50% greater biomass.

### PARSLEY



# BIOFUNGICIDE™ / BIOSTIMULANT

## PROVEN RESULTS

**Project:** Effect of biostimulant

**Plant type:** Cantaloup (Athena)

**Location:** Quebec, Canada

**Start Date:** May 2007

**Harvest:** June 2007

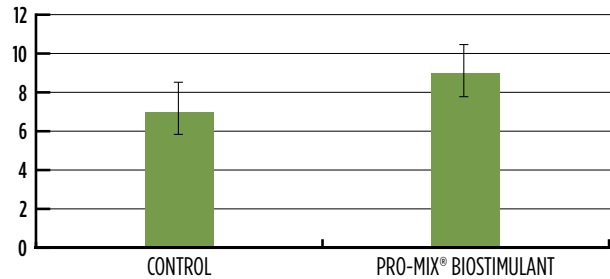
**Test Media:** PRO-MIX® HP (control),  
PRO-MIX® HP biostimulant

- Plant height and plant width was significantly higher throughout the monitoring periods for the media with biostimulant (Duncan,  $p = 0.05$ ).
- Root dry weight was superior for all the PRO-MIX® HP media and significant with the biostimulant in comparison to the competitor media (Duncan,  $p = 0.05$ ).

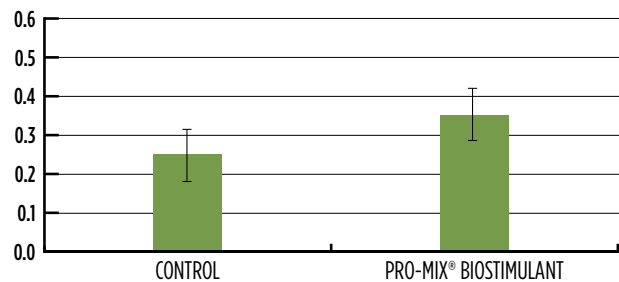
### CANTALOUPE



**AVERAGE PLANT HEIGHT (CM)**



**STEM DRY WEIGHT (G)**



**Project:** Effect of biofungicide

**Plant type:** Tomato (seedlings)

**Location:** Rivière-du-Loup, Qc Canada

**Start Date:** July 2005

**Harvest:** August 2005

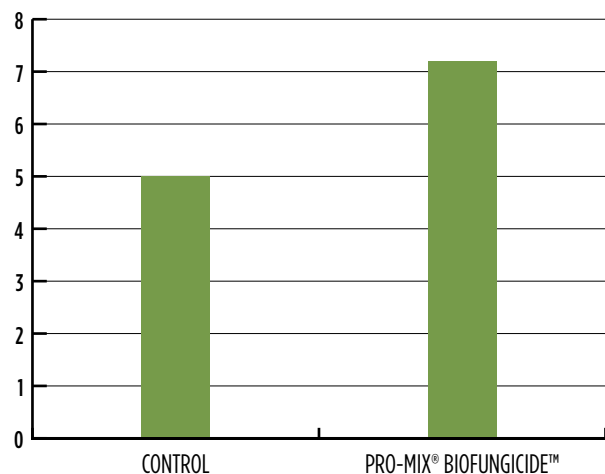
**Test Media:** PRO-MIX® BX (control), PRO-MIX® BX BIOFUNGICIDE™

- *Pythium* inoculant was injected in the media after seeding.
- After 4 weeks growth germination rate was 60% superior in the PRO-MIX® BX BIOFUNGICIDE™. The same plant species were also sown in the same media without *Pythium*. A stimulation of the germination rate was found favorable by 9% for the PRO-MIX® BX BIOFUNGICIDE™.

### TOMATO (SEEDLINGS)



**GERMINATION SEED**



# MYCORRHIZAE™ + BIOSTIMULANT

## PROVEN RESULTS



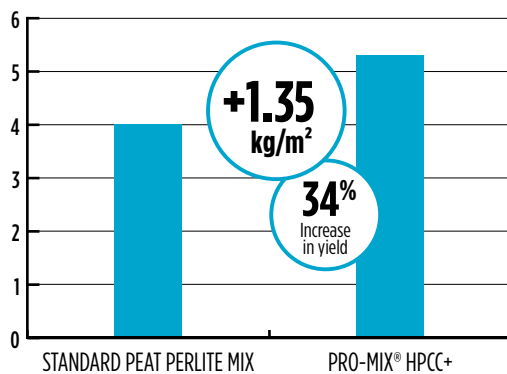
### USE OF PRO-MIX® HPCC FOR ABOVEGROUND GREENHOUSE-GROWN STRAWBERRY CROPS\*

\* in trough

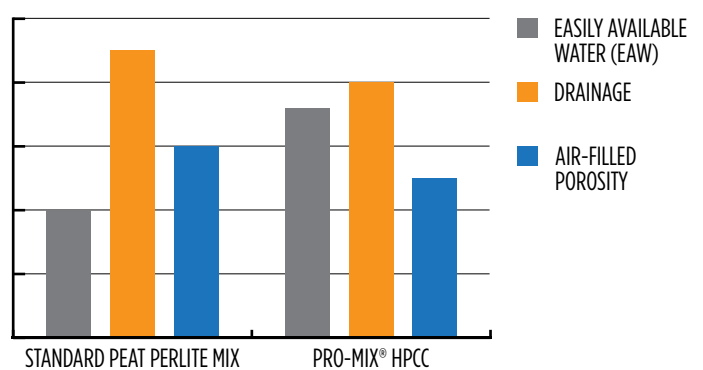
**Project:** Aboveground growing media for greenhouse grown strawberry  
**Plant type:** Day-neutral strawberries “Albion”  
**Duration:** Winter 2017-2018 2018 season (5-months crop)  
**Test Media:** PRO-MIX® HPCC with BIOSTIMULANT and MYCORRHIZAE™ and standard peat/coir/perlite mix

PRO-MIX® HPCC increased yields on average 24% compared to standard peat perlite mix. Average cumulative marketable yield (kg/m<sup>2</sup>) was higher by 1 kg. Container baskets were filled with media and physical characterization of media HPCC has highest easily available water (EAW) and lower drainage and air-filled porosity. Rooting was more rapid in HPCC and the active ingredients increased plant resistance to stress.

AVERAGE CUMULATIVE STRAWBERRY MARKETABLE YIELD



PHYSICAL CHARACTERIZATION OF GROWING MEDIUM



### USE OF PRO-MIX® HPCC FOR ABOVEGROUND HIGH TUNNEL-GROWN STRAWBERRY CROPS\*

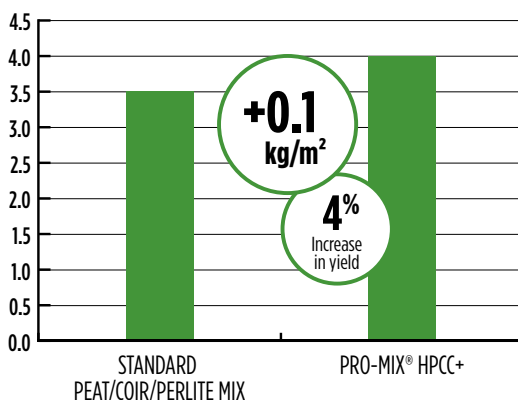
\* in trough

**Project:** Aboveground growing media for high tunnel grown strawberry  
**Plant type:** Day-neutral strawberries “Albion”  
**Duration:** Spring-Summer 2018 season (5-months crop)  
**Test Media:** PRO-MIX® HPCC with BIOSTIMULANT and MYCORRHIZAE™ and standard peat/coir/perlite mix

PRO-MIX® HPCC increased yields on average 4% in trough compared to standard peat perlite Mix.

Average cumulative marketable yield (kg/m<sup>2</sup>) was higher by 0.1 kg. Container baskets were filled with media and physical characterization of HPCC has highest Easily available water (EAW) and air-filled porosity. Rooting was more rapid in HPCC and the active ingredients increased plant resistance to stress.

AVERAGE CUMULATIVE STRAWBERRY MARKETABLE YIELD



PHYSICAL CHARACTERIZATION OF GROWING MEDIUM

