

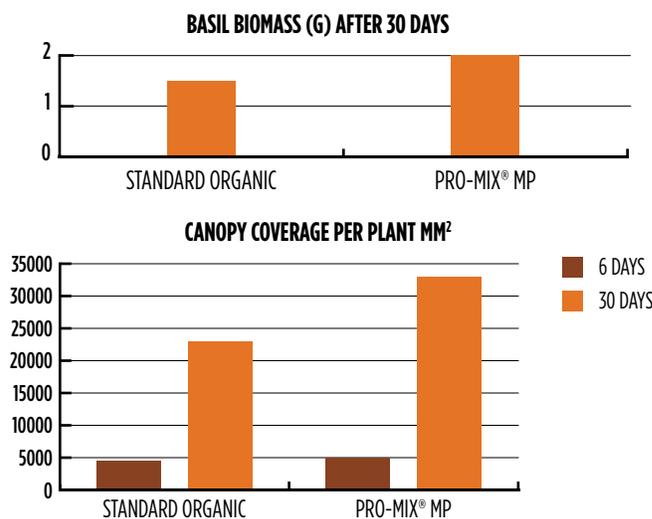
MYCORRHIZAE™

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.

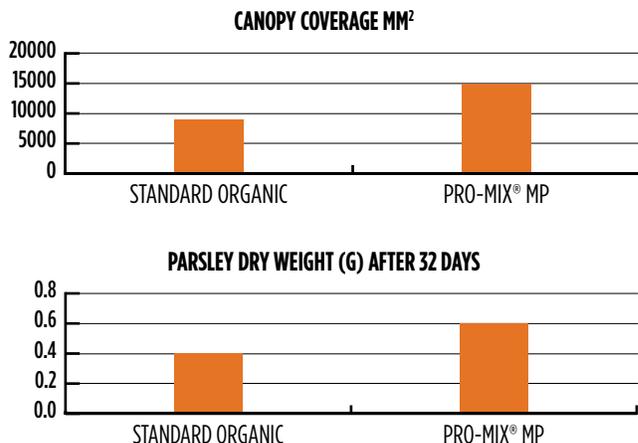
SWEET ITALIAN BASIL



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

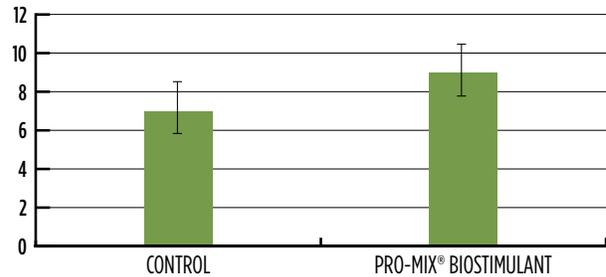
Test Media: PRO-MIX® HP (control),
PRO-MIX® HP biostimulant

- 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, $p = 0.05$).

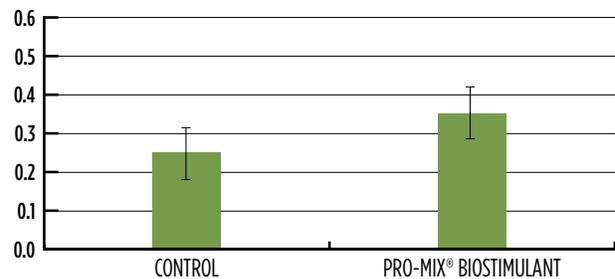
CANTALOUPE



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

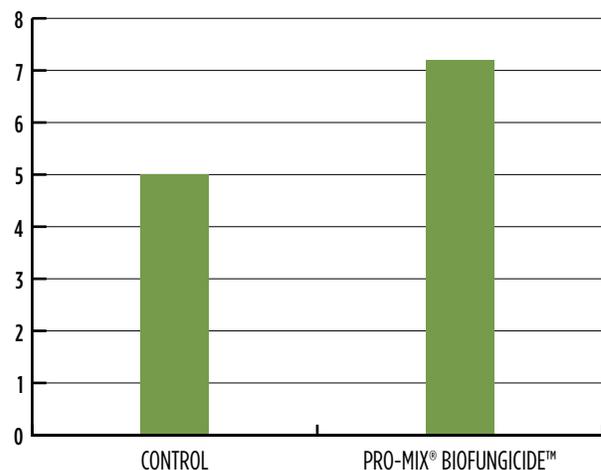
Test Media: PRO-MIX® BX (control), PRO-MIX® BX BIOFUNGICIDE™

- *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

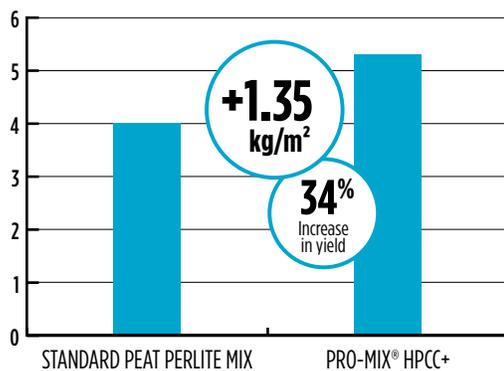
Plant type: Day-neutral strawberries “Albion”

Duration: Winter 2017-2018 2018 season (5-months crop)

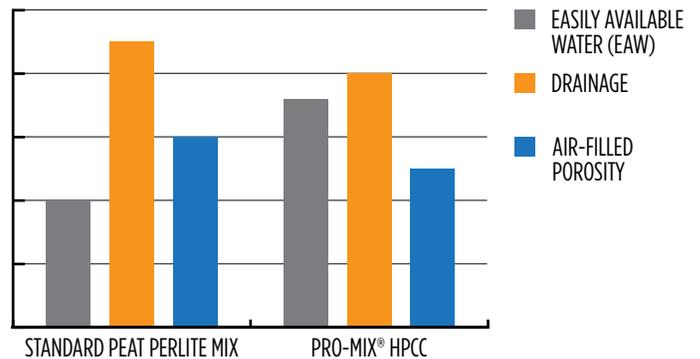
Test Media: PRO-MIX® HPCC with BIOSTIMULANT and MYCORRHIZAE™ and standard peat/coir/perlite mix

PRO-MIX® HPCC increased yields on average 24% compared to standard peat perlite mix. Average cumulative marketable yield (kg/m²) 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”

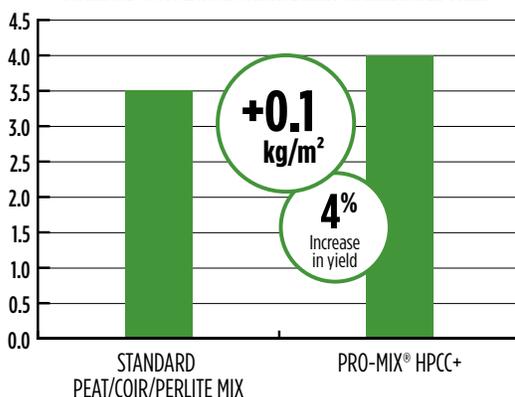
Duration: Spring-Summer 2018 season (5-months crop)

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/m²) 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

