



## Healthy Plants from Production to Planting.

Add STOCKOSORB® to your growing media to save on water and reduce wilt, and your crops will be healthy from your greenhouse to the garden center.

**STOCKOSORB®**  
water + soil management 

Distributed by Greener Solutions International



## Plants Stay Healthy With STOCKOSORB®

STOCKOSORB® is an advanced hydrogel technology manufactured by Evonik, with a unique action that absorbs water in growing media, then releases nutrient-rich water back to the plants when needed. When mixed into growing media, it swells to many times its original size, absorbing water for later release.

*Fact: One pound of STOCKOSORB® can absorb up to 30 gallons of water.*

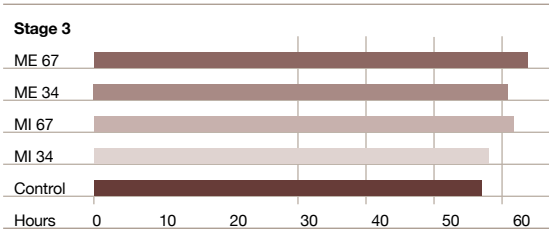
### Why Growers Love It

By using only 2 pounds per cubic yard in most growing media, growers have a cost-effective way to maximize water resources, minimize labor inputs, reduce shrink and improve plant survival rates. Growers can reduce water use by up to 30% in production.

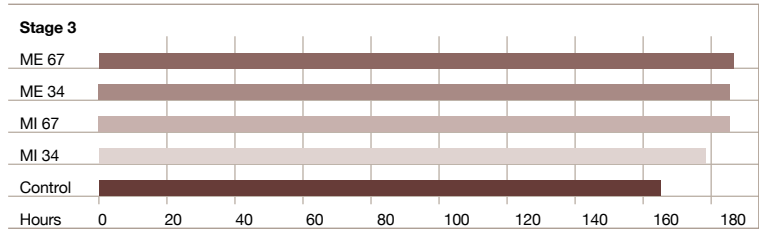
### Passing the Success to Retail

STOCKOSORB® keeps plants healthier on the retail bench — it reduces shrink and extends shelf life by increasing the water-handling capacity of soils, minimizing fertilizer leaching and enhancing root growth.

### Hours to wilt stage – Coleus



### Hours to wilt stage – Vinca



Graph Key: MI 34 = micro size hydrogel @ 34 g/ft<sup>3</sup> MI 67 = micro size hydrogel @ 67 g/ft<sup>3</sup> ME 34 = medium size hydrogel @ 34 g/ft<sup>3</sup> ME 67 = medium size hydrogel @ 67 g/ft<sup>3</sup>

## The Science Behind the Success

In a 2014 North Carolina State University trial, STOCKOSORB<sup>®</sup> hydrogels successfully extended the time between watering before wilt conditions in container-grown coleus and vinca. Both genera withstood dry conditions better with STOCKOSORB<sup>®</sup> hydrogel treatments. The plants had a 10-hour extension between saturation and Stage 1 wilt compared to the untreated controls. This equates to almost an entire extra day's worth of protection at retail.

Additional trials at Chase Horticultural Research in California showed mums, geraniums and roses amended with STOCKOSORB<sup>®</sup> required less water, had higher container fertility and showed increased growth and vigor than plants watered “as needed.”

*Fact: Applied at the recommended rates and homogeneously blended in the growing media, STOCKOSORB<sup>®</sup> does not lead to over watering or root rot. These hydrogels simulate reservoirs that release water directly to the roots and the surrounding environment as growing media begins to dry. When STOCKOSORB<sup>®</sup> reaches maximum absorption capacity, any excess water flows through the growing media. Aeration occurs due to the swelling and shrinking of the hydrogel.*

## Sizes for Every Grower's Need

**Powder** – a fine grade for dipping while rooting cuttings and transplants

**Micro** – sand-sized granules for blending into media mixes used in small containers and flats

**Medium** – larger granules for use in finished containers and hanging baskets, as well as quart and gallon containers for larger annuals, perennials, woody ornamentals and trees

*Fact: Recent testing at North Carolina State University showed plants with STOCKOSORB<sup>®</sup> had a 10-hour extension between saturation and Stage 1 wilt.*

*“We automate the addition of STOCKOSORB<sup>®</sup> into our media. It results in less watering, reduced shrink and lower plant stress, which further equates to less disease and insects. What's more is that GSI offers great technical and customer service. We will be using it for many years to come.”*

– Bob's Market and Greenhouses, Inc.





## Applications & Rates

A newer formulation, STOCKOSORB® 660 is a polyacrylate material that is free of toxicity listings, which means it can be used with peace of mind in all 50 states.

### **Potting Mix/Soil Mix: 2 pounds per cubic yard**

Blend into the media before planting. Irrigate immediately after planting until saturation is reached.

### **Potting Containers: 1/3 ounce for 1 gallon, 1 ounce for 5 gallons**

*Fact: Growers can include STOCKOSORB® in their media in multiple ways: it can be added directly into customized media mixes via the media manufacturer, or it can be ordered separately and added to the mix onsite.*

To learn more about how STOCKOSORB® advanced hydrogel can help your growing operation contact John Wynne at 860.368.7309.

**Greener Solutions International  
P.O. Box 1373, Hebron, CT 06248**

Greener Solutions is the exclusive North American outlet for STOCKOSORB® 660.



STOCKOSORB® is an MPS listed product.

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All photos courtesy of Evonik.

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