

# Advanced Hydrogel for Improved Ornamental Growth



**Trial conducted by A.R. Chase, Chase Horticultural Research, Inc., Aukum, CA**

**Trial date:** 2011 – 2012

**Crop:** Mum (Chrysanthemum), Geranium (Pelargonium x hortorum), Rose (Rosa)

**Benefits achieved with STOCKOSORB®:**

- Reduced irrigation frequency
- Increased plant growth and vigor
- Higher container fertility

**STOCKOSORB®**  
water + soil management

Distributed by Greener Solutions International



# Advanced Hydrogel Trial

## Effects of STOCKOSORB® gels on timing and severity of wilt in container-grown annuals

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### Applications & Rates

STOCKOSORB® 660 was added at the rate of 750 grams per cubic yard of Sunshine Mix No. 4. Pots were top-dressed with Osmocote Plus 18-9-12.

### Irrigation Rates

Plants were watered either once a week or as needed (50% less than weekly).

### Conclusion

Over the course of 10 weeks, plants were watered as described and rated for height and top grade monthly. Mums and geraniums were generally of lower top grade and height when watered “as needed” than when watered on a weekly schedule. Roses were also of lower quality when watered as needed compared to a weekly schedule. However, at nearly every rating the STOCKOSORB® 660 amended plants performed similar to better than plants watered twice as much.

**Mum, Geranium and Rose Performance**

