

Pat²H Marigold and Geranium 2011 Study

Objective: To evaluate the effects of OceanSolution™ protocols on the growth of marigolds and geraniums.

Trial Location: PAT²H Horticultural Research Services, Inc.
DBA/Timbercrest Farms, 43 Stephen Way NE
Rydal, GA 30171

Trial Dates: November 3, 2011-January 17, 2012

Principal Investigator: Warren D. Davenport

Methods: During this greenhouse trial, protocols using OceanSolution (OS) T&O Premium 1-0-1 were compared with an industry standard synthetic fertilizer (Peters 20-10-20) and an untreated control. “Maverick Red” geraniums and “Inca II Yellow” marigolds were the species grown in potting mix.

Results:

	Avg. Total Weight	Avg. Growth Index	Avg Root Quality	Avg # of Flowers
Geraniums				
OS Drench	46.2	20.2	6.0	1.0
OS Drench and Foliar	49.7	20.9	5.8	0.9
Peters	53.2	21.9	5.4	1.0
Untreated Control	1.1	4.1	1.6	0.0
Marigolds				
OS Drench	46.5	16.0	4.5	3.1
OS Drench and Foliar	49.6	16.0	4.1	3.5
Peters	48.0	16.4	4.4	3.6
Untreated Control	2.8	8.3	1.9	1.0

Conclusions: Data from these tests appear to show that OS protocols performed almost identically to industry standard protocols in plants which do not require large doses of macronutrients. They were a little behind Peters in most cases and slightly better in a few. This is interesting because OceanSolution T&O Premium 1-0-1 contains no phosphorous and very little nitrogen, is entirely natural, and is OMRI listed-approved for organic production.



7453-C Commercial Circle, Ft. Pierce, Florida 34951 Tel. 941-921-2401 Fax 941-866-0318

www.oceangrown.com email: info@oceangrown.com

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