

# 'Lantana' Ornamentals

## 2015 Research Summary



### Trial Summary

**Researched By:** Freedom Ag Research

**Location:** Wimauma, Florida

**Growing Season:** 2015

**Objective:** To evaluate the benefit of Nutricor® on the growth of ornamentals.

### Methodology

The study was conducted during the 2015 growing season in Wimauma, Florida. Lantana varietal was planted in Florida sourced potting soil. No standard fertilization was used. The experiment was conducted in two phases: An eight-week nursery phase and a six-week greenhouse phase.

PHASE 1: NURSERY	Phase 2: Greenhouse
8 Weeks: Measure leaf count, stem length, root dry weight	6 Weeks (14 total): Measure plant height, shoot and root dry weight
No Treatment - 50 plants/plot	No Treatment - 20 plants/plot
4x Treatments - 50 plants/plot	No Treatment - 20 plants/plot
	1x Treatments - 20 plants/plot

Root dry mass was evaluated at eight weeks after transplant (WAT) of Phase 1 and six WAT of Phase 2. Shoot dry mass was evaluated at six WAT of Phase 2. The experimental design used was a randomized complete block with four replications.

### Treatment Applications

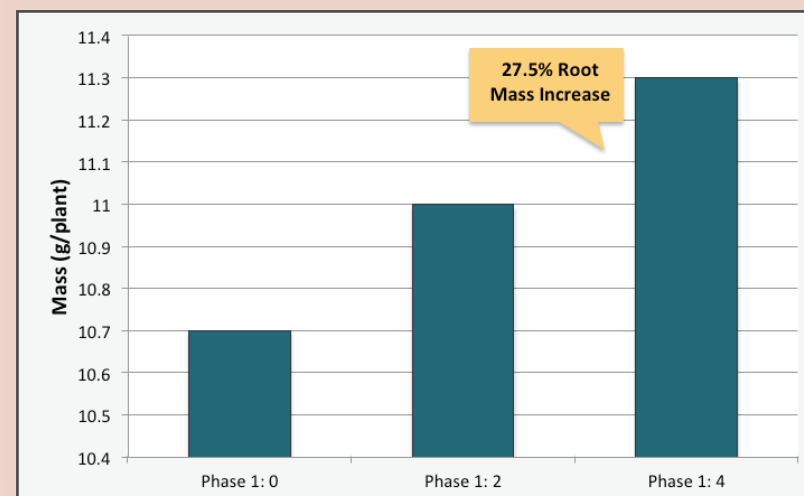
The following treatments were applied to the ornamentals:

1. Phase 1: 0/ Phase 2: 0 - No Nutricor was applied in either phase
2. Phase 1: 2/ Phase 2: 1 - Nutricor was applied at 2 WAT and 4 WAT of Phase 1, and at 2 WAT of Phase 2
3. Phase 1: 4/ Phase 2: 1 - Nutricor was applied at 2, 3, 4 and 5 WAT of Phase 1, and at 2 WAT of Phase 2

### Results and Conclusions

At the end of the first phase (eight weeks), Lantana plants receiving four treatments of Nutricor had an average root dry mass of 11.3 grams per plant, an increase of 5.6% over untreated plants. At the end of both phases (fourteen weeks), Lantana plants receiving three total (Phase 1:2/ Phase 2:1) treatments of Nutricor had an average total mass of 154.9 grams per plant, which translates to a 27.5% increase over untreated plants. This study shows that **Nutricor can be used to effectively increase the growth rate of ornamentals.**

Treatment	Mass (g/plant)	% Gain Over Control
Phase 1: 0/ Phase 2: 0	121.5	--
Phase 1: 2/ Phase 2: 1	154.9	27.5%
Phase 1: 4/ Phase 2: 1	155.9	28.3%



To find out more about Nutricor, visit our website at [Solutions4Earth.com](http://Solutions4Earth.com) or call 855-834-3882.