

**“Base *actosol*® Improved Roots and Foliage Growth on Variety of Ornamentals & Reduced the Production Time for Marketability of Container Ornamentals at Country Joe’s Nursery, at Boynton, Beach, FL”
David Englert, October, 2007**

In the fall of 2007, a study was conducted to determine the effect of soil application of *Base actosol*® on plant performance and root development on container grown ornamentals. The three genera selected were Spath, Montera, and Mandevilla. All plants were established and growing in 3 gallon containers. All plants received the same fertilizer applications of Florikan 16-6-12.

TREATMENTS:

1. 1 gallon *actosol*® /40 gallons water (1:40 ratio),
2. 2 gallons *actosol*®/ 40 gallons water (1:20 ratio)
3. 3 gallons *actosol*® / 90 gallons water (1:30 ratio)
4. Grower Standard (No *actosol*®)

After four weeks, a second soil drench was applied with *actosol*®.

OBSERVATIONS:

Results from this study showed that use of *Base actosol*® improved plant quality (more compactness and larger total foliage growth) compared to non *actosol*® treated plants. Rates of 1:20 and 1:30 showed superior performance of top growth compared to the 1:40 dilution and the grower standard (Photo 1 and 2). Observation of root development showed significantly more roots with *actosol*® compared to non *actosol*® treatments. We also observed that disease suppression was improved with *actosol*® treatments at the 3 gallon rate.

A second test was initiated in the winter of 2007 to determine the effect of soil drenching of *Base actosol*® on plant performance on liners of newly planted begonia. The fertilizer and growing conditions were similar to test 1

Treatments composed of:

1. 4 oz/ 2 gallon (1:30 ratio)
2. 4oz/4 gallon (1:60 ratio)

RESULTS: Observation was made after one month

Begonia treated with 1:30 or 1:60 showed improved top growth and more flowers compared to the non *actosol*® treatments. **(Begonia)**

(Montera)



control

actosol®

Grower Standard

actosol® 3 gal.
/90 gal. water