

20 August 2011

**Plant experiment.**

Three types of plants were purchased from a local grower that supplies retail floral outlets. They were purchased in pairs of equal size plants off approximately 2- 3.5 inches height (5.08 – 8.89 cm). Plant pairs were carefully chosen so as to be of approximately the same height and foliage content. All plants were originally germinated simultaneously.

The plants were kept in normal sunlight and brought inside at night. They were watered 3 times per week. One set of plants was watered with 100% RO (reverse osmosis) water. The second set was watered with RO (reverse osmosis) water containing a 1% concentration of Path-Away™ Anti-Pathogenic Solution.

The choice of 1% was decided upon based on a recent laboratory test conducted by the New Zealand Plant and Food laboratory on the effectiveness of Path-Away™ Anti-Pathogenic Solution in combating the deadly Psa (*Pseudomonas syringae* pv *actinidiae*) bacteria currently devastating the Kiwi fruit industry.

The purpose of the experiment was to prove that Path-Away™ Anti-Pathogenic Solution acts systemically on flora and strengthens the plant as well as wards off mephitic pathogens. Although not conducted under strict laboratory conditions the results prove that Path-Away™ Anti-Pathogenic Solution has merit in regard to agricultural applications and warrants further field trials.



**Alternanthera.** Original plant pair was approximately 2 inches (5.08 cm) in height.

At approximately 3 weeks post purchase the plant watered with 100% RO stands approximately 3 inches (7.62 cm) and the plant watered with the 1% Path-Away™ solution stands at approximately 5.5 inches (13.97cm).



**Yellow mum.** Original plant pair was approximately 2 inches (5.08 cm) in height.

At approximately 3 weeks post purchase the plant watered with 100% RO stands at 3.5 inches (8.89 cm) and has solid, firm buds. The plant watered with the 1% Path-Away solution stands at 5 inches (12.70 cm) and has full flowers and numerous additional buds about to flower.



**Croton.** Original plant pair was approximately 3.5 inches (8.89 cm) in height.

At approximately 3 weeks post purchase the plant watered with 100% RO stands at approximately 6 inches (15.24 cm) and the plant watered with the 1% Path-Away™ solution stands at approximately 9 inches (22.86 cm).

We are currently germinating several sets of vegetable seedlings which will undergo similar testing. Since Path-Away™ Anti-Pathogenic Solution is 100% natural and contains no drugs, added chemicals or alcohol we do not see any ingestion problems with the potential vegetables grown. It should be noted that Path-Away™ Anti-Pathogenic Solution has approval from the New Zealand EPA, *Environmental Protection Agency*.

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