



## FIELD TRIAL RESULTS

### SUMMER 2015 ORGANIC GREEN BEAN SEEDLINGS

#### TRIAL DESIGN

- ◆ Trial performed in grower's field at Cottle Organics Farm in Rose Hill, N.C.
- ◆ Concentric's IN-M1\* was applied at transplant with the watering wheel to drench seedlings at a product dilution rate of 1:100 (vol/vol).
- ◆ Fully developed second and third trifoliolate whole leaves from each treatment group were collected and analyzed for major macronutrient and micronutrient content.
- ◆ The leaf tissue analysis revealed that the Concentric-treated group had significantly higher levels of many of the

nutrients analyzed. Levels either increased from "low" to "sufficient" or "sufficient" to "high," but not to "excessive" levels.

- ◆ Untreated green bean plants had deficiencies in nitrogen, magnesium, calcium and manganese. These nutrient levels improved to sufficient levels in the Concentric-treated group.
- ◆ Iron levels were at sufficient levels in untreated plants, but were significantly higher in the treated group.



Bean Plants: (A) Treated, (B) Untreated

Visual signs of nutrient deficiencies in the untreated green bean plants when compared with plants from the IN-M1-treated group a few weeks after transplantation. Treated plants were much fuller and greener in appearance.

\*IN-M1 is currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada.



## COMPARISON OF NUTRIENT LEVELS IN SAMPLES OF GREEN BEAN LEAF TISSUE FROM IN-M1-TREATED (“TREATED”) AND CONTROL (“UNTREATED”) PLANTS



IN-M1 (currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada) is a microbial technology for growers that sustainably improves plant health, boosts root and plant vigor, and increases yield, consistency and quality. It is designed to be active across a diverse range of high-value produce, geographies and for all types of modern growing systems from field to greenhouse to hydroponics, for both organic and conventional growers. More robust plants can better deal with the challenges of production agriculture, including transplantation of seedlings, poor soil, extreme weather and other biotic and abiotic stresses.

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