



## FIELD TRIAL RESULTS AND RECOMMENDATIONS

SUMMER TO FALL 2017

# AVOCADO TRIAL

## WITH SYNTECH RESEARCH

### TRIAL DESIGN

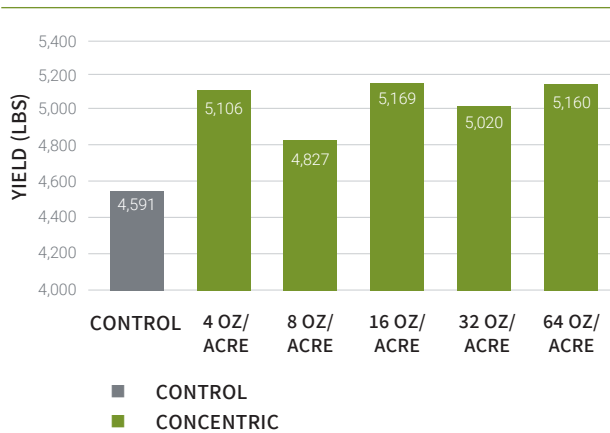
- ◆ The trial was conducted by David Holden through SynTech Research in Somis, California.
- ◆ The trial utilized a randomized complete block design and involved six treatments, each with six replications.
- ◆ The applications were made on May 4, June 1, and July 12, 2017 through the sprinkler irrigation system. SYNERGRO FREE<sup>™</sup> was applied at various rates:
  - » Control
  - » SYNERGRO FREE<sup>™</sup> - 4 oz/acre
  - » SYNERGRO FREE<sup>™</sup> - 8 oz/acre
  - » SYNERGRO FREE<sup>™</sup> - 16 oz/acre
  - » SYNERGRO FREE<sup>™</sup> - 32 oz/acre
  - » SYNERGRO FREE<sup>™</sup> - 64 oz/acre
- ◆ SYNERGRO FREE<sup>™</sup> is registered for sale, though still undergoing further development to optimize results for the grower. It is based on the same technology and patented process as IN-M1.\* While IN-M1 contains living microbes, SYNERGRO FREE<sup>™</sup> does not – it is a cell-free, concentrated product. SYNERGRO FREE<sup>™</sup> at 6.4 oz/acre is roughly the equivalent of 1 gallon/acre of IN-M1.





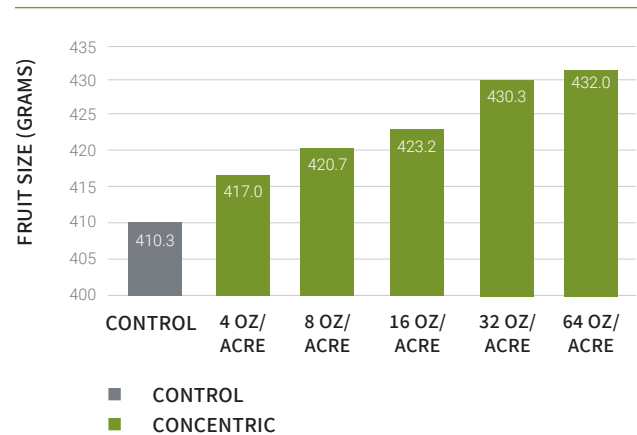
## RESULTS

### YIELD



6.4 oz/acre of SYNERGRO FREE™ is the rough equivalent of 1 gallon/acre of IN-M1

### FRUIT SIZE



Weights based upon the sum of two randomly selected fruits

- ◆ The control group yielded 4,591 lbs, while the Concentric-treated block yielded on average 5,056.4 lbs. This translates to an average 10.1% increase in yield.
- ◆ The avocados in the control group weighed an average of 410.3 grams, while the Concentric-treated block weighed an average of 424.6 grams. This translates to an average 3.5% increase in fruit size.

## RECOMMENDATIONS

RATE	TIMING
1-2 gallons/acre of IN-M1	Apply monthly injection through drip or sprinkler irrigation.

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.

[WWW.CONCENTRICAG.COM](http://WWW.CONCENTRICAG.COM)



TO LEARN MORE ABOUT IN-M1, CONTACT:

**RON RESTUM**

VICE PRESIDENT, SALES & COMMERCIAL DEVELOPMENT

M: 316-744-5260

[RRESTUM@CONCENTRICAG.COM](mailto:RRESTUM@CONCENTRICAG.COM)