



# FIELD TRIAL RESULTS AND RECOMMENDATIONS

SPRING 2017

## TABLE GRAPE TRIAL WITH SYNTECH RESEARCH

### TRIAL DESIGN

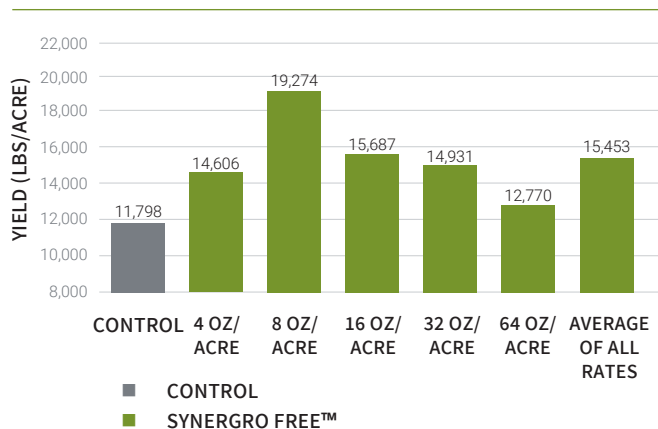
- ◆ The trial was conducted by SynTech Research in Sanger, California, on Vintage Red table grapes.
- ◆ The trial utilized a randomized complete block design and involved six treatments, each with six replications.
- ◆ Applications were made on April 28 and June 14 through the drip irrigation system. 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.



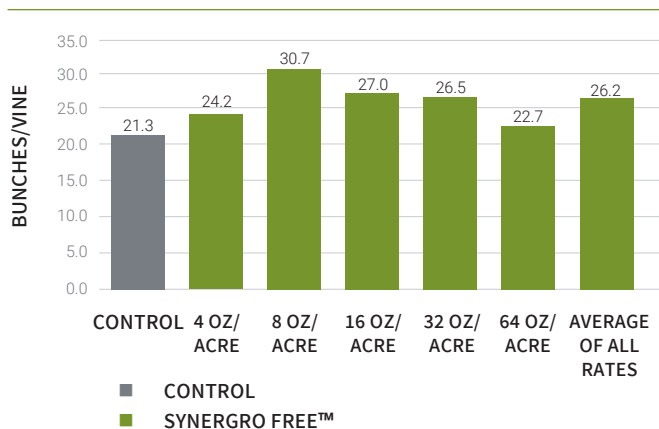


## RESULTS

### YIELD

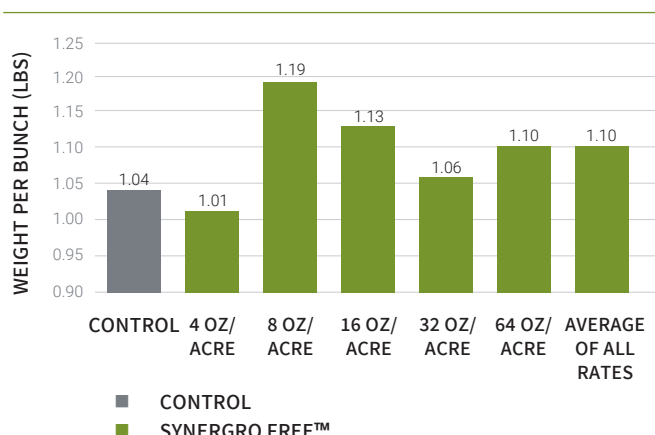


### BUNCHES PER VINE



- ◆ The control group yielded 11,798 lbs, while the Concentric-treated block yielded on average 15,453 lbs. This translates to an average yield increase of 31.0%.
- ◆ Table grapes treated with SYNERGRO FREE™ showed substantial increases in both the number of bunches per vine and the weight of those bunches. The control group yielded an average of 21.3 bunches per vine and 1.04 lbs per bunch, while the Concentric-treated block yielded on average 26.2 bunches per vine and 1.10 lbs per bunch. This translates to an average increase of 23.0% and 5.8%, respectively.
- ◆ The most effective treatment was 8 oz/acre, which yielded 7,476 lbs per acre higher—a yield increase of 63.4%. This translates to a \$4,957 revenue increase per acre for the grower. (Using USDA data from 2016 in California.)

### WEIGHT PER BUNCH



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

## RECOMMENDATIONS

### RATE

1-2 gallons/acre of IN-M1

### TIMING

Apply every 6 weeks 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:

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