



BioGro Inc. - Field Trial Research

RhizoPro on Citrus

Objective: To validate the effects of RhizoPro as a material that enhances soil health in mature citrus.

Conclusions:

The blocks treated with RhizoPro were initially the lowest testing blocks (avg: -21.6%) but by the end of the trial were the highest testing blocks by a significant margin (avg: +62.2%). These observations suggest RhizoPro as a useful management tool for increasing soil health in mature citrus.

Cooperator(s): D&M Landclearing

Location: Ft. Meade, FL

Date: 03/21/19 – 10/21/19

Test Crop: Mature Citrus

Variety: Multiple (Hamlin, Valencia, and Fallglo)

Treatments:

1. UTC – Untreated Control
2. 5gpa RhizoPro

Trial Layout:

Three applications via fertigation were made throughout year (04/03/19, 06/26/19, and 09/19/19). Evaluated metric for soil health is a measurement of micrograms of microbial carbon per gram of soil and will be tested using the MicroBiometer system. MicroBiometer measurements taken 30-days post-application.

Test Block Descriptions: All bearing, assumed HLB infected

1. Geiger Block (Treated)- Eastside is 10A Hamlin and Westside is 10A Valencia/Fallglo (Total = 20A). Eastside of the Hamlins has a very sandy soil with hardpan underneath (will be focus area for tree improvement). Soil pH on 01/21/19 measured 6.7
2. Graves Block (Control) – Northside is 10A Valencia and Southside is 10A Hamlin (Total = 20A). Next to and same age as Geiger. Roughly 20 year old trees. Soil pH on 01/21/19 measured 6.9
3. Williams Block- Soil pH on 01/21/19 measured 6.7. Roughly 10-year old trees and exhibit heavy production.
 - a. South NW-40 = Treated (20A)
 - b. North NW-40 = Control (20A)

Results:



