

ROOTERRA TRIAL ON MELONS

SUMMARY

Nutrient TECH research and development contracted a replicated trial in Yuma, AZ in a commercial cantaloupe field. Treatments compared foliar spray application rates and timings for yield increases.

Key Takeaway: Foliar application of ROOTERRA increased melon yield.

METHODS

A comparison of 1 or 2 applications of ROOTERRA at 2 or 4 quarts per acre versus Grower Standard practices were made at bloom and 14 days preharvest. ROOTERRA was applied with surfactant in a 25 gpa final volume. Plot areas were hand harvested for marketable fruit. Plot weights were analyzed statistically and results reported below are averaged from the first picking of the most effective treatments.

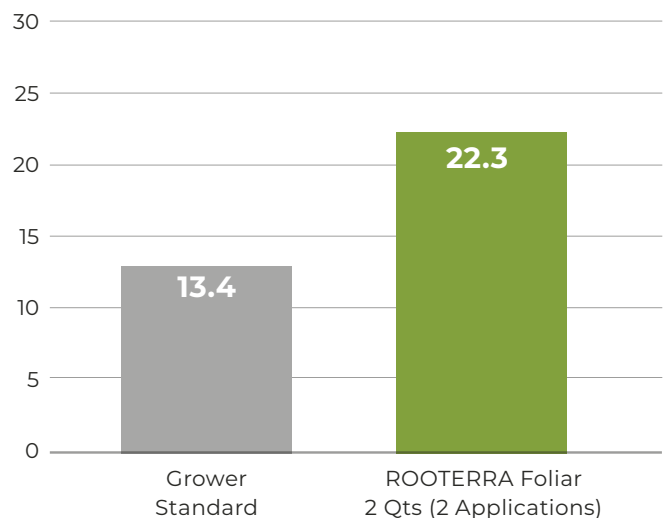


RESULTS

In the graph below, it can be observed that 2 applications of 1/2 gallon per acre of ROOTERRA increased average cantaloupe yields by more than 8 tons/ac. The optimum application timings were at first bloom and again 14 days preharvest. Neither higher rates nor increased number of applications further increased yields substantially under these experimental conditions. ROOTERRA positively influenced crop growth parameters resulting in a robust crop response which provided a substantial return on investment.

YUMA, AZ CANTALOUPE MELON TEST

First Picking Plot Yield (Tons/Acre)



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Nutrient TECH research and development contracted a replicated trial in Yuma, AZ in a commercial cantaloupe field. Treatments compared foliar spray application rates and timings for yield increases.

Key Takeaway: Foliar application of ROOTERRA increased melon yield.

METHODS

A comparison of 1 or 2 applications of ROOTERRA at 2 or 4 quarts per acre versus Grower Standard practices were made at bloom and later timings thereafter. ROOTERRA was applied with surfactant in a 25 gpa final volume. Plot areas were hand harvested for marketable fruit. Plot weights were analyzed statistically and results reported below are averaged from the first picking of the most effective treatments.

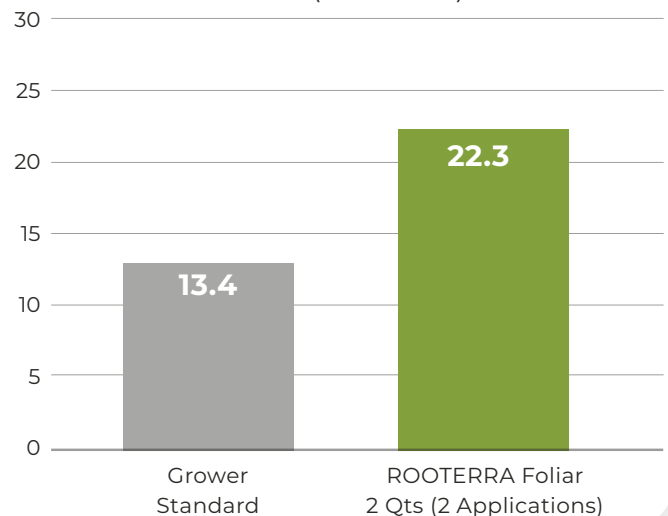


RESULTS

In the graph below, it can be observed that 2 applications of 1/2 gallon per acre of ROOTERRA increased average cantaloupe yields by more than 8 tons/ac. These specific timings were chosen by the researcher after years of experimental experience. Neither higher rates nor increased number of applications increased yields substantially under these experimental conditions. ROOTERRA positively influenced crop growth parameters resulting in a robust crop response which provided a substantial return on investment.

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Plot Yield (Tons/Acre)



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