

AZOMITE® SNAPSHOT

GREENHOUSE TOMATOES



AZOMITE GRANULATED AND ULTRAFINE were applied to greenhouse Century tomatoes for a plant growth, yield, nutrient quality, and microbiome analysis study by i-Cultivar, headed by Dr. Rajnish Khanna, in Albany, CA. The leading brand of potting soil was fortified with 5% by weight dehydrated poultry manure for all treatments and the control. AZOMITE was then added according to the following chart to comprise the three treatments of Granulated alone (5% by weight at seeding and again at transplant), Ultrafine alone (4.5 grams/plant/month in a drip irrigation) and Granulated plus Ultrafine (same rates). There were 10 plants in each treatment, which were rotated on the benches to reduce any pot placement affects. Extensive testing of numerous characteristics and metrics was done.

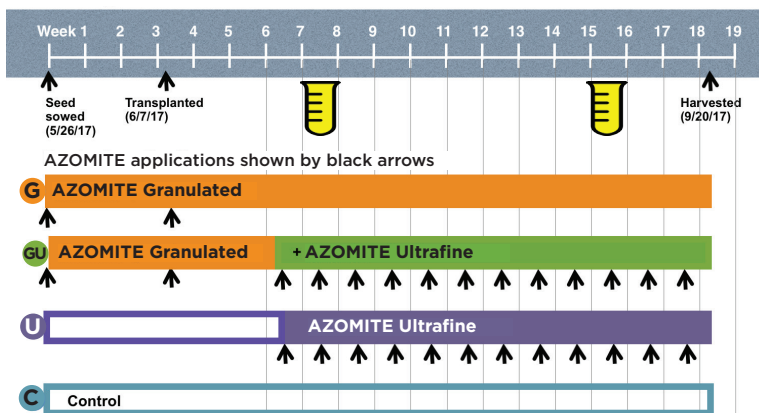


AZOMITE Granulated treated plants appeared larger in size within 5 weeks after sowing. Control (untreated) plants are shown (left) with the Granulated-treated plants on the right.

AZOMITE® BENEFITS AT A GLANCE

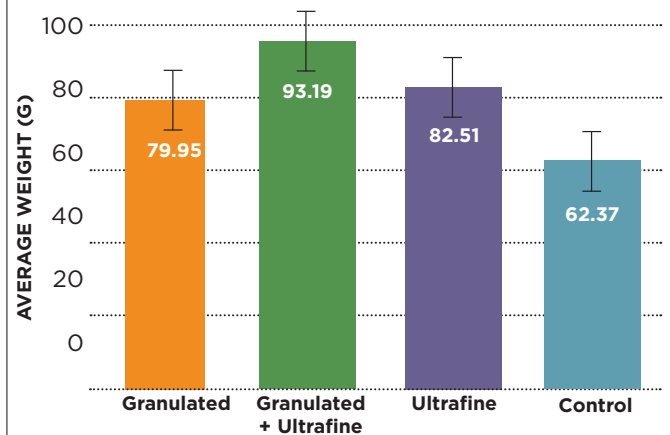
- Ultrafine treatments exhibited 37% more fruit set.
- Granulated and Ultrafine treatments had 79% more total yield.
- Most elements were higher in the AZOMITE treated soil, and Phosphorus (P) and Potassium (K) were much higher (K is double) in the soil and plants, possibly reducing the need for extra P and K fertility.
- Iron (Fe) was much higher in the soil and also higher in the plants than the control.
- AZOMITE treatments resulted in plants with higher chlorophyll levels, and higher levels of certain nutritional compounds in the tomatoes.

Planting scheme:



Note: Yellow test tubes indicate plant testing timing

Average Tomato Weight (harvested)



Each tomato was weighed at harvest. Average weight per tomato (g) is plotted. The number of tomatoes weighed were different for each treatment type. Granulated N=27, Granulated+Ultrafine N=24, Ultrafine N=19, Control N=20. The error bars represent Standard Error (SE).



AZOMITE®

NATURAL MINERALS FOR PLANTS & SOIL

WHAT IS AZOMITE?

AZOMITE is a uniquely natural mineral product mined in central Utah, USA. For more than 70 years, crop producers have used AZOMITE to support plant growth and vitality. AZOMITE is OMRI and CDFA listed for use in certified organic production.

BENEFITS OF AZOMITE

Accredited research and customer testimony report that AZOMITE can:

- Increase crop yield, grade out and quality
- Improve color and quality in turf and ornamentals
- Increase nutrient availability in the soil and uptake in plants
- Improve a plant's natural ability to handle stress, while increasing capacity to withstand drought and temperature fluctuations.
- Be used alone or blended with other fertilizers any time of year, with any application method.

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