NUTRIENT TECH
by DSG



Bac-T Grow™

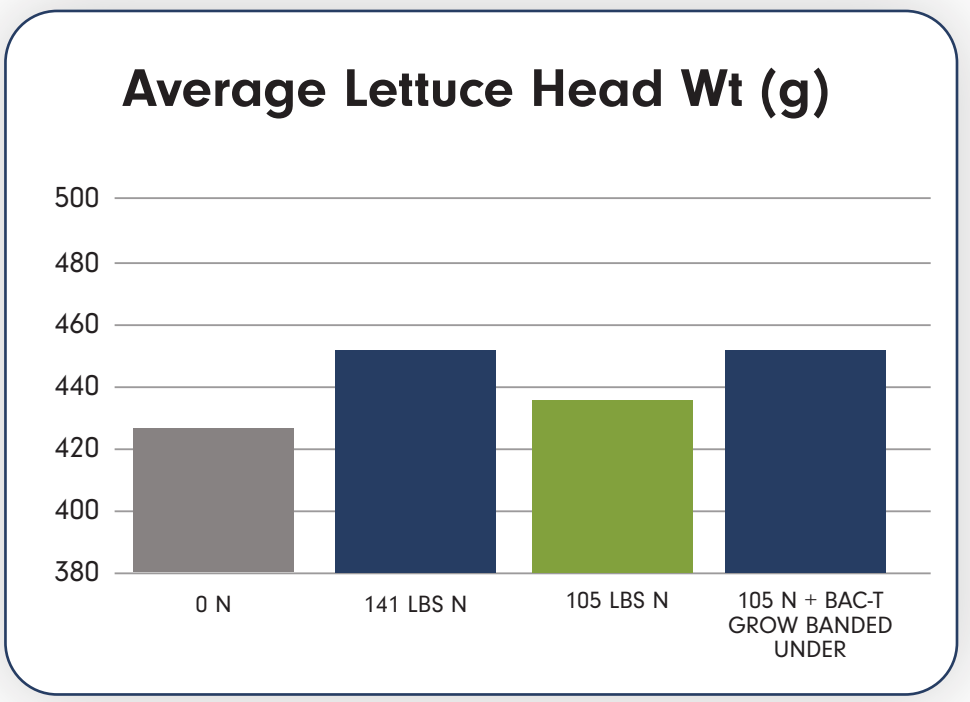
The **Rhizosphere** refers to the surface of the roots and surrounding portion of the soil: where a community of dynamic microorganisms live. The microbes inhabiting the rhizosphere live in close association with the roots, on the root surfaces as well as within and between the plant's cells. Bacteria are the largest constituent in both numbers and diversity by far.

Demonstrated benefits from applications of Bac-T Grow include:

- Enhanced nitrogen use efficiency
- Improved plant nitrogen availability
- Increased photosynthetic activity
- Promotion of vegetative plant growth
- Stimulation of root activity



To demonstrate the efficacy of Bac-T Grow, Nutrient TECH™ conducted a trial in Yuma, AZ on head lettuce. Nitrogen was reduced by 34% and Bac-T Grow was applied at 7oz/acre banded under the seed with insecticide. At the end of the season the lettuce was harvested and evaluated for head weight. Lettuce treated with Bac-T Grow produced 4-7% larger heads with less applied nitrogen than the grower standard nitrogen program.



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For more information contact your Crop Advisor or visit **www.Nutrient.TECH**

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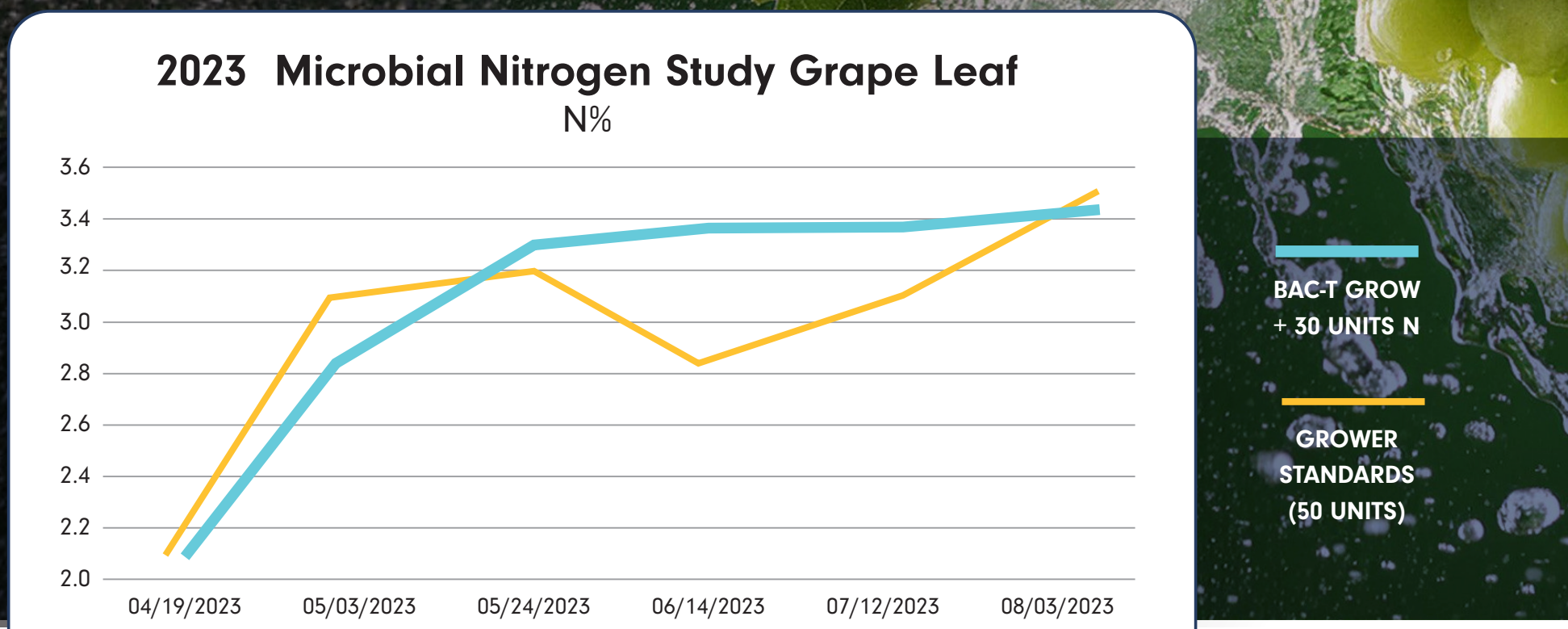
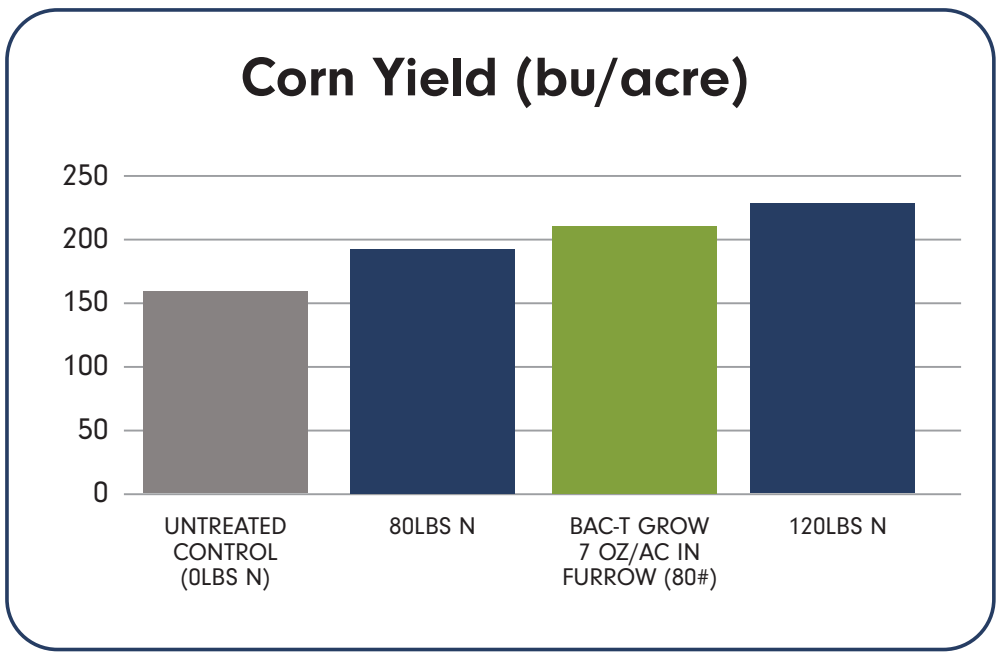
To demonstrate the efficacy of Bac-T Grow, Nutrient TECH conducted a trial in Madera, CA on raisin grapes. Nitrogen was reduced by 40% and Bac-T Grow was applied via fertigation at 7oz/acre at 6-8" shoot growth. Leaf analysis showed Nitrogen levels in leaves were equal to control within 4 weeks of application. At the end of the season fruit samples were harvested and evaluated for juice quality at a wine lab. Treated grapes had equal Brix levels and no other measured changes from Bac-T Grow treatment.



To demonstrate the efficacy of Bac-T Grow, Nutrient TECH conducted a trial in Janesville, WI on corn. Nitrogen was reduced by 33% and Bac-T Grow was applied at 7oz/acre at planting in the seed furrow. At the end of the season the corn was harvested and evaluated for yield. Corn treated with Bac-T Grow produced 5.6% more grain (11 bu/acre) than the reduced nitrogen program alone.





Bac-T Grow promotes efficient crop nutrient use with no lost yield or reduction in crop quality. For more information about Bac-T Grow contact your local Nutrient TECH representative.

SAFE, EFFECTIVE AND EASY TO USE

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