To determine if WISErganic is competitive with conventional crop fertilization, the Controlled Environment Agriculture Center (CEAC) at the University of Arizona in Tucson conducted a study to compare yield and quality of lettuce grown with WISErganic organic fertilizer and a conventional Hoagland fertilizer solution.

Results show that the lettuce grown with WISErganic either was equal to or exceeded the non-organic lettuce in the following five areas:

- Dry weight
- Yield
- Average leaf count
- Anthocyanin levels
- Plant tissue nutrient concentrations

HOW THE COMPARISONS STACK UP

TRIAL DETAILS

Study Conducted By: University of Arizona, Controlled Environment Agriculture Center (CEAC)

Trial Location: Tucson, AZ

Growing Environment: Evaporatively-cooled High Tunnel Greenhouse

Growing Media: 12" Sand Bed Culture

Fertilizer Delivery: Drip Tape

Double Row Plant Spacing: 10" Between Rows 8" In-Row

Transplant Date: March 21, 2013

Harvest Date: April 19, 2013

At WISErg, food safety is our number one concern. WISErganic fertilizer is independently verified to be free of pathogens and other food safety risks. Our food safety technologies allow for full traceability from grocery store to grower.

How Other Fertilizer Options Stack Up Against WISErganic

- Compost and manure are heavy and expensive to transport.
- Fish-based fertilizer is unpredictable as a resource and too odorous for use in enclosed spaces.
- Other liquid fertilizers are not as clean and are problematic, often clogging drip lines when used in irrigation systems.
- Synthetic fertilizers fail to feed and rebuild the soil.

University Study Documents the WISErganic Difference in Greenhouse Lettuce Production

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