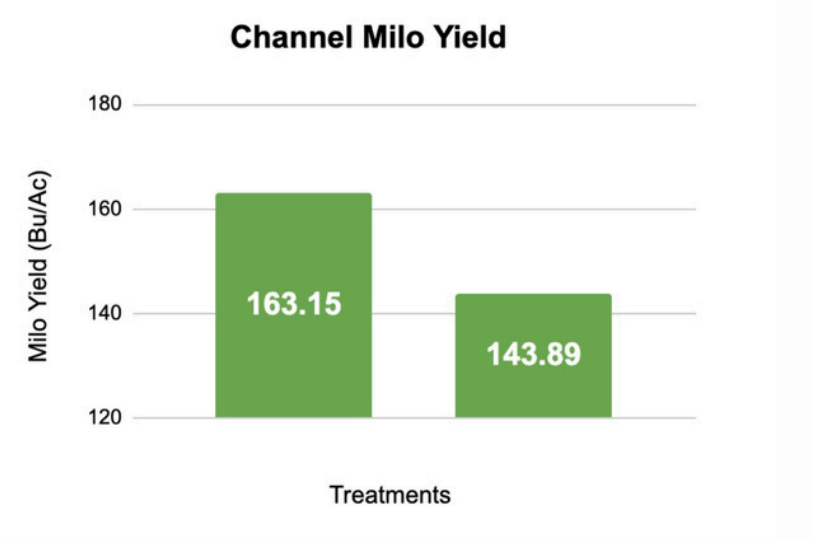
2025 EnSoil Algae Dryland Milo Performance Trial:

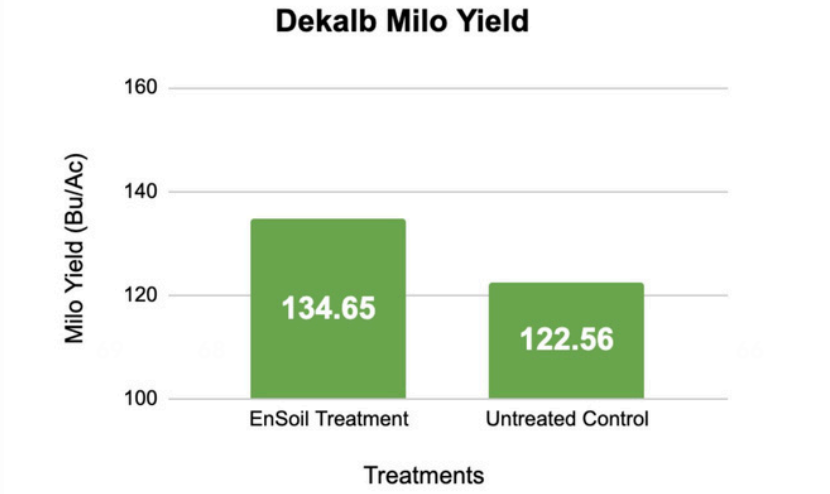
Milo Yield Improvements in Barton County, Kansas Field Trials

Results

- **Channel variety milo:** EnSoil treatment enhanced yield by **19.26 bushels** over the untreated control, resulting in an **ROI per acre of $43.63 (242%)** when accounting for the EnSoil product cost and assuming a milo bushel value of $3.20.

- **Dekalb variety milo:** EnSoil treatment enhanced dryland milo yield by **12.9 bushels** compared to the untreated control, resulting in an **ROI per acre of $20.69 (114.9%)** when accounting for the EnSoil product cost and assuming a milo bushel value of $3.20.





Trial Description: These trials were conducted by Brent Stoss on dryland sorghum fields located in Barton County, Kansas. The treated and check fields were each approximately 10 acres each. The soil type is loam and the fields are under conventional tillage.

Application Description: EnSoil Algae was applied as a pre-emergent soil broadcast before planting and again 30 days later as a post-emergence broadcast. Both applications were conducted with an 8 oz per acre rate of EnSoil.

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EnSoil Algae

Made in USA

Trial Design

Grower: Brent Stoss
Location: Barton County, KS

Number of Treatment Plots: Each treatment (EnSoil and untreated control) was applied to approximately 10-acre plots for both Channel and Dekalb milo varieties.

Planting Date: May 30, 2025

Treatments Given to Plots:

- EnSoil Algae was applied as a soil broadcast at a rate of 8 ounces per acre prior to planting, and a second application was made 30 days after emergence, also at 8 ounces per acre.

Goal: The goal of the trial was to evaluate the impact of EnSoil Algae biostimulant on dryland milo yield compared to untreated control fields.

Measurements Taken:

- Grain yield (bushels per acre) for each treatment and variety
- Qualitative observations

Trial Results

Field trials conducted on dryland sorghum (milo) in Barton County, Kansas, demonstrated that the application of EnSoil Algae as a biostimulant resulted in a notable increase in yield and positive ROI compared to untreated controls.

Both Channel and Dekalb milo varieties were tested, with EnSoil applied at 8 oz per acre before planting and again 30 days after emergence. The EnSoil-treated Channel variety plots produced an average yield of 163.15 bushels per acre, a 19.26 bushel gain over the untreated control yields of 143.89 bushels per acre. Similarly, the Dekalb variety treated with EnSoil yielded 134.65 bushels per acre, compared to 122.56 bushels per acre for the untreated control—an increase of 12.09 bushels per acre. Larger root systems were also noted in both EnSoil treatments.

These results indicate that EnSoil Algae biostimulant can effectively enhance dryland milo yields in loam soils managed with conventional tillage.

Growers seeking to maximize yield and profitability can count on EnSoil Algae—our field trials in Kansas showed that a simple EnSoil program delivered up to 19 more bushels of milo per acre compared to untreated fields. Unlock the potential of your crop with a proven biostimulant that consistently outperforms traditional practices.

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