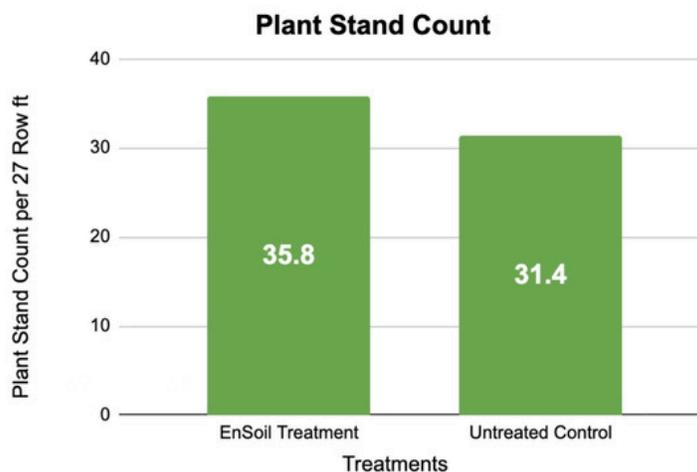
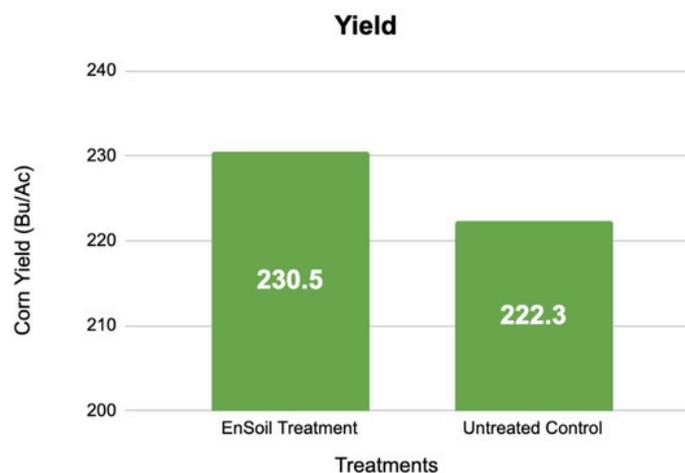


2025 EnSoil Algae Dryland Corn Trial Yield Boosts and Increased Plant Stand in Manhattan, KS

Results

- **Yield:** EnSoil-treated corn yielded 230.5 bushels/acre; untreated yielded 222.3 bushels/acre.
- **EnSoil treatment increased yield by 8.2 bushels/acre.**
- **Plant stand count:** EnSoil treatment increased stand by 4.4 plants per 27 row feet compared to the control.



Trial Description: This trial was conducted by Performance Crop Research. The dryland field is located 8 miles southeast of Junction City, KS, in Geary County. The soil type is Reading Silty Clay Loam with 0 to 1% slopes. The experiment was conducted as a randomized complete block design with four replications. The plot size was 10 ft by 30 ft (300 ft²). Row spacing was 30 in. A grower standard fertility program consisting of 135 lbs/ac N, 40 lbs/ac P, 30 lbs/ac K, 10 lbs/ac S, and 1 lb/ac Zn was applied to both the treatment and control plots.

Application Description: EnSoil Algae was applied as a broadcast application tank mixed with pre-emergent herbicide at planting and again 28 days later with a post-emergent herbicide. Both applications consisted of a rate of 8 oz EnSoil per acre.



Trial Design

Grower: Performance Crop Research

Researcher: Performance Crop Research

Location: Manhattan, KS



Number of Treatment Plots: The experiment was conducted as a randomized complete block design with four replications. The plot size was 10 ft by 30 ft (300 ft²). Row spacing was 30 in.

Trial Date: Spring/Summer 2025

Treatments Given to Plots:

- EnSoil Algae Treatment
- Control with no EnSoil Algae Treatment
- 135 lbs/ac N, 40 lbs/ac P, 30 lbs/ac K, 10 lbs/ac S, and 1 lb/ac Zn was applied to both the treatment and control plots

Goal: To compare the effectiveness of yield and plant stand count on corn plants treated with EnSoil Algae and untreated corn plants.

Measurements Taken:

- Yield
- Plant Stand Count



Trial Results

An exciting field trial was conducted by Performance Crop Research in Geary County, Kansas, to put EnSoil Algae—an innovative biostimulant made from live *Chlorella vulgaris* algae—to the test on dryland corn. Using a robust randomized complete block design with four replications, researchers applied EnSoil twice during the season: once at planting alongside a pre-emergent herbicide, and again 28 days later with a post-emergent herbicide, each at a rate of 8 ounces per acre. Both the treated and control plots received the same comprehensive fertility program, ensuring a fair comparison.

The results were impressive! Corn treated with EnSoil Algae yielded a remarkable 230.5 bushels per acre, outpacing the untreated control by 8.2 bushels. Not only did the EnSoil treatment boost yield, but it also increased plant stand counts by 4.4 plants per 27 row feet. These findings highlight the powerful potential of EnSoil Algae as a game-changer for farmers seeking higher yields and stronger stands—even in tough dryland conditions!

Corn treated with EnSoil Algae yielded a remarkable 230.5 bushels per acre, outpacing the untreated control by 8.2 bushels.