EnSoil Algae® Dryland Soybean Trial 2025

Soybean Yields Boosted by 4.1 Bushels per Acre in Iowa Trial

Results

EnSoil Algae® yield: 82.3 bushels/acre

Untreated control yield: 78.2 bushels/acre

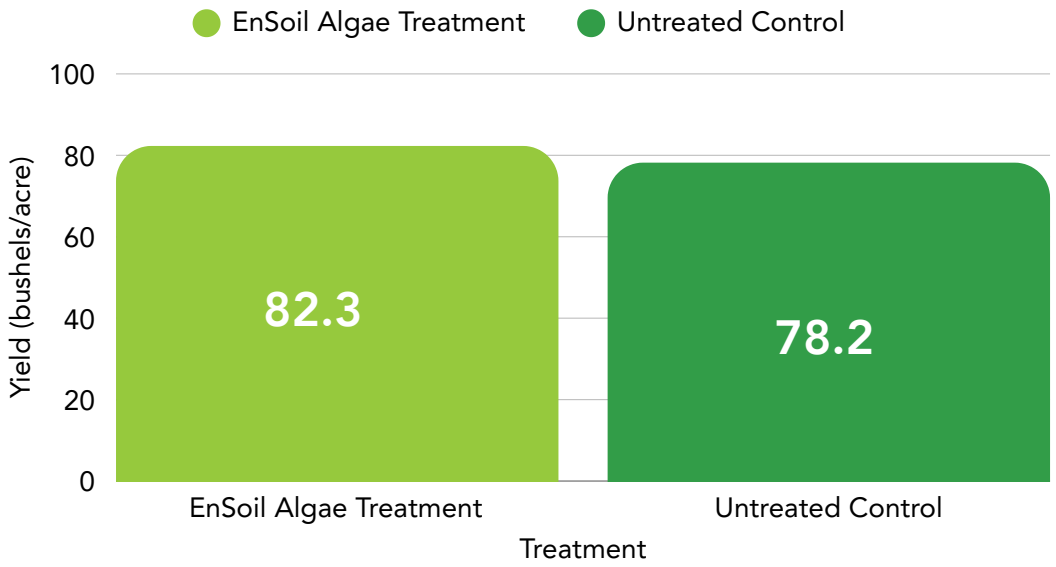
Yield difference: EnSoil treatment increased yield by 4.1 bushels/acre compared to control

Increase in Revenue: $45.55 per acre (Based on $11.11 bushel price).

ROI: $27.55 per acre

%ROI: 153.06%

Soybean Yield Comparison



Trial Description: This trial was conducted by Crossroads Ag Research. The dryland soybean field is located in Dunkerton Iowa. The soil type is Maxfield silty clay with 0% slope and 7.6% organic matter. The trial was conducted as a complete randomized block design with four replicate plots for each treatment. The plot size was 15 ft by 30 ft (450 ft²) with 30 inch row spacing.

Application Description: EnSoil Algae® was applied in-furrow at planting and again 61 days later as a foliar spray. Both applications consisted of a rate of 8 oz EnSoil per acre.

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EnSoil Algae®

Made in USA

Trial Design

Grower: Crossroads Ag Research
Researcher: Crossroads Ag Research
Location: Dunkerton, Iowa

Number of Treatment Plots: Number of treatment plots: 4 replicates per treatment

Planting Date: 5/14/2025

Treatments Given to Plants:

- EnSoil Algae® biostimulant (applied in-furrow at planting and as a foliar spray 61 days later, both at 8 oz/acre)
- Untreated control (no biostimulant applied)

Goal: To evaluate the effect of EnSoil Algae® biostimulant on soybean yield compared to an untreated control in a dryland field in Iowa.

Measurements Taken:

- Soybean yield (bushels per acre) for each treatment plot

Trial Overview

This field trial was conducted by Crossroads Ag Research to assess the impact of EnSoil Algae®, a biological biostimulant, on soybean yields under dryland conditions in Dunkerton, Iowa. The trial utilized a complete randomized block design with four replicate plots for each treatment, comparing soybeans treated with EnSoil Algae® to an untreated control. The field features Maxfield silty clay soil with high organic matter content (7.6%) and no slope. EnSoil Algae® was applied both in-furrow at planting and as a foliar spray 61 days later, each at a rate of 8 ounces per acre. Yields were measured for each plot to determine the effectiveness of the biostimulant in enhancing soybean productivity.



Iowa field trial demonstrates that EnSoil Algae® delivers a significant boost in soybean yields, increasing harvests by 4.1 bushels per acre compared to untreated fields. This result highlights EnSoil Algae®'s value as a proven biostimulant solution for growers looking to maximize productivity in dryland conditions.

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