



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

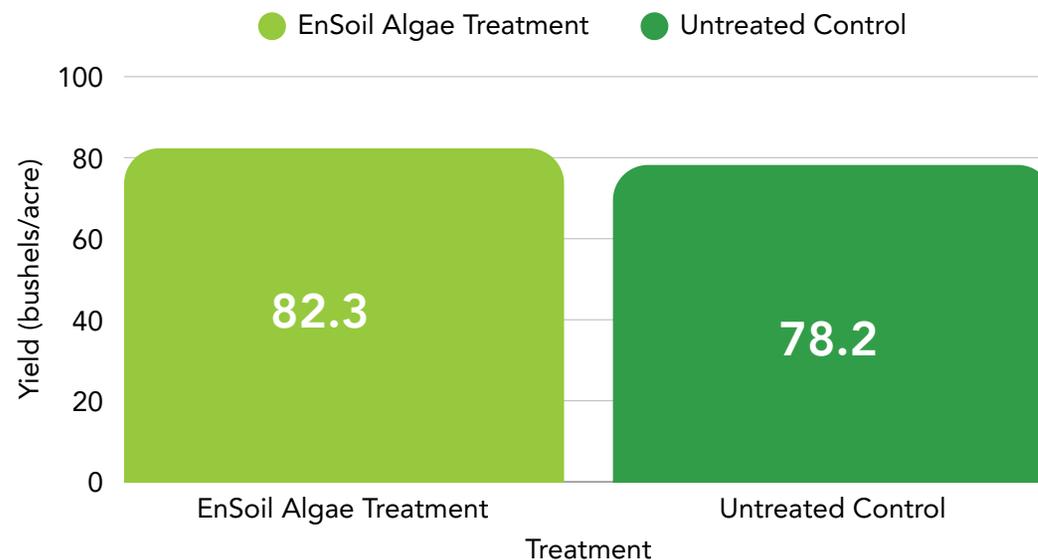
Yield difference: EnSoil treatment increased yield by 4.1 bushels/acre compared to control

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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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.