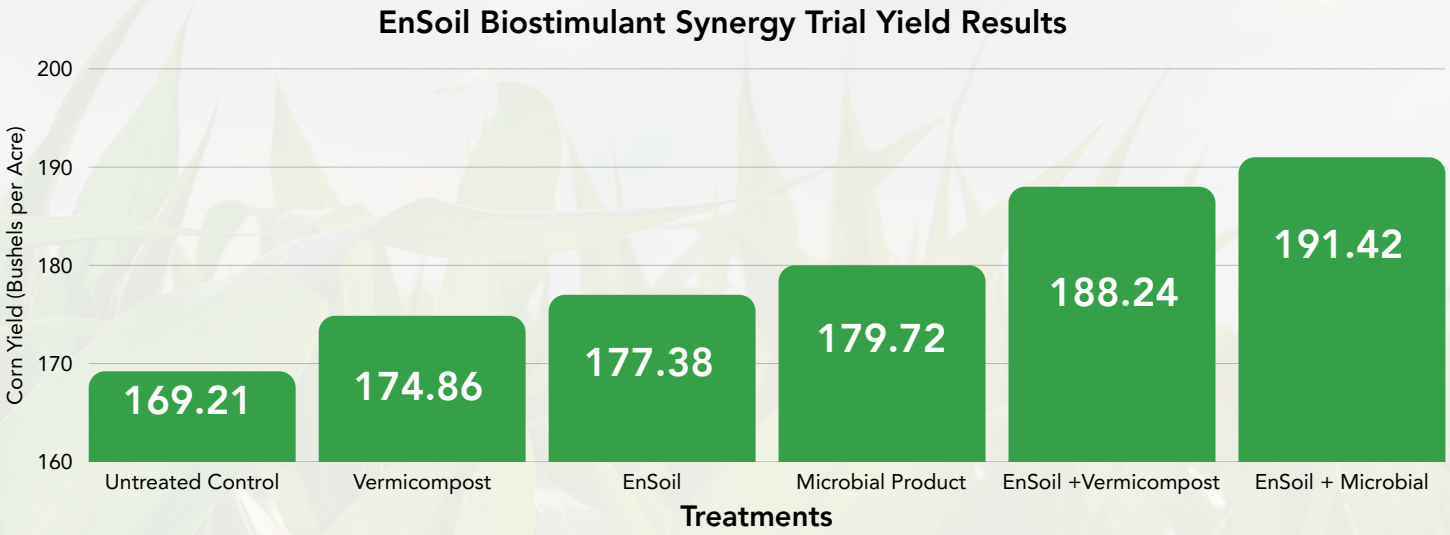
2025 EnSoil Algae® Corn Synergy Trial

JRH Grain Farms - Hickory, NC



Results

- EnSoil Algae alone increased yield by 8.17 bushels per acre
- EnSoil + Microbial Product produced the highest yield gain, up 22.21 bushels per acre
- EnSoil + Vermicompost increased yield by 19.03 bushels per acre
- Combinations with EnSoil Algae delivered even stronger production improvements than EnSoil alone.

Untreated Control:
- Yield: 169.21 bushels/acre
- Yield gain: 0 (Baseline)

Vermicompost:
- Yield: 174.86 bushels/acre
- Yield gain: 5.65 bushels/acre

EnSoil Algae (alone):
- Yield: 177.38 bushels/acre
- Yield gain: 8.17 bushels/acre

Microbial Product:
- Yield: 179.72 bushels/acre
- Yield gain: 10.51 bushels/acre

EnSoil + Vermicompost:
- Yield: 188.24 bushels/acre
- Yield gain: 19.03 bushels/acre

EnSoil + Microbial Product:
- Yield: 191.42 bushels/acre
- Yield gain: 22.21 bushels/acre

Trial Description: This trial was conducted by Russell Hedrick of JRH Grain Farms in Hickory, North Carolina. The goal of the trial was to evaluate the synergy of biostimulant products applied together and their impacts on corn production. The grower standard fertility program was prescribed based on Haney Test results. Each experimental plot was approximately two acres.

Application Description: All biostimulant products were applied once at planting with an in-furrow application. EnSoil was applied at a rate of 8 oz per acre. Vermicompost was applied at 2lbs/gallon H2O/acre. The Microbial Product was applied at the recommended application rate.

5700 Dorchester Rd., Suite A-1* North Charleston, SC 29418 * USA
info@ensoilalgae.com * www.ensoilaglae.com

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EnSoil Algae®

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Trial Design

Grower: JHR Grain Farms
Location: Hickory, NC

Number of Treatment Plots: Six two-acre plots

- Untreated Control
- Vermicompost Product
- EnSoil Algae (alone)
- Microbial Product
- EnSoil + Vermicompost Product
- EnSoil + Microbial Product

Planting Date: Mid May
Harvest Date: 10/27/2025

Treatments Given to Plots:

- **Untreated Contro**
- **Vermicompost:** Applied at 2 lbs/gallon H_2O per acre (in-furrow at planting).
- **EnSoil Algae:** Applied alone at 8 oz per acre (in-furrow at planting).
- **Microbial:** Applied alone at the recommended application rate (in-furrow at planting).
- **EnSoil + Vermicompost:** Both products applied together, at 8 oz EnSoil per acre and 2 lbs/gallon H_2O Vermicompost per acre (in-furrow at planting).
- **EnSoil + Microbial:** Both products applied together, at 8 oz EnSoil per acre and Microbial at the recommended rate (in-furrow at planting).

Measurements Taken:

- **Corn yield**, measured in bushels per acre for each treatment plot at harvest (on 10/27/2025).

- **Yield gain** compared to the untreated control (bushels per acre).

Goal: To evaluate the synergy of biostimulant products applied together and their impacts on corn production.

Trial Results

The trial conducted by JRH Grain Farms in Hickory, North Carolina set out to evaluate how different biostimulant treatments—both alone and in combinations—impacted corn yield. Plots treated only with a Vermicompost Product, EnSoil Algae, or Microbial Product each showed increased yields over the untreated control, with the Microbial product producing the highest single-product yield boost. The results became more striking when EnSoil Algae was combined with other biostimulants: pairing EnSoil with Vermicompost resulted in a 19.03 bushel-per-acre yield gain, while the combination of EnSoil Algae and the Microbial Product delivered the largest increase, boosting yields by 22.21 bushels per acre. These results suggest that EnSoil Algae not only performs well on its own but can also amplify the effectiveness of other biostimulant inputs, with the greatest production improvements seen in combination treatments.



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