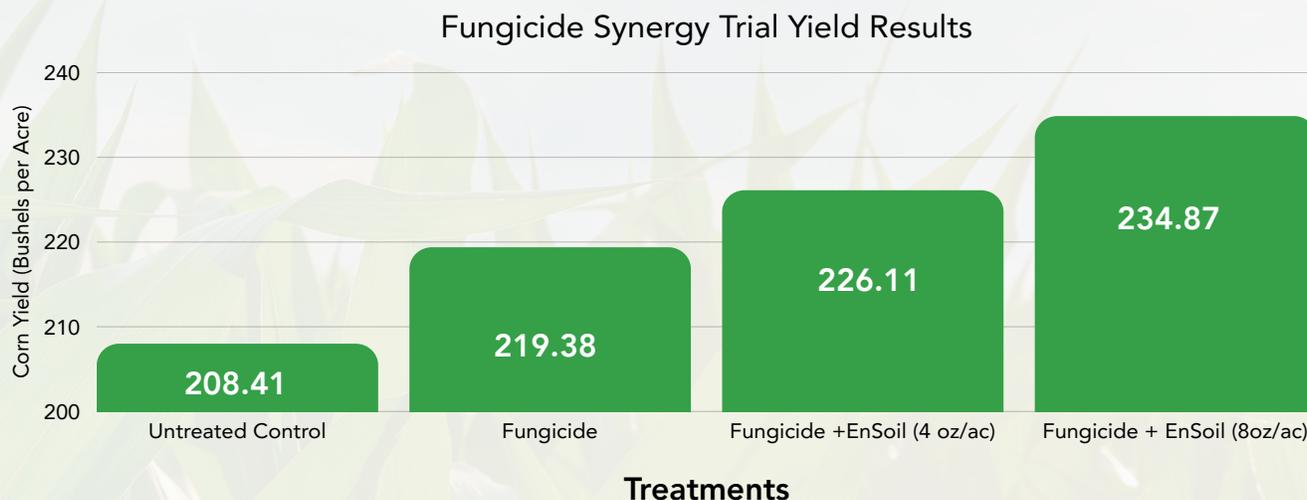


2025 EnSoil Algae Broad Spectrum Fungicide Synergy Trial JRH Grain Farms - Hickory, NC



Results

Untreated Control:

- Yield: 208.41 bushels/acre
- Yield gain: 0 (baseline)

Fungicide alone:

- Yield: 219.38 bushels/acre
- Yield gain: 10.97 bushels/acre

Fungicide + EnSoil (4 oz per acre):

- Yield: 226.11 bushels/acre
- Yield gain: 17.7 bushels/acre

Fungicide + EnSoil (8 oz per acre):

- Yield: 234.87 bushels/acre
- Yield gain: 26.46 bushels/acre

EnSoil applied at a half rate (4 oz/ac) with fungicide achieved a major yield boost of 17.7 bushels per acre.

Strongest yield boost was observed in the fungicide + EnSoil (8 oz/acre) treatment, with an increase of 26.46 bushels/acre over the control.

Adding EnSoil to fungicide increased yields beyond using broad spectrum fungicide alone.

The results show a clear synergy between EnSoil Algae and the fungicide in corn production.

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 EnSoil Algae alongside a broad spectrum fungicide application.

Application Description: Fungicide was applied at the V10-Tassel stages at a rate of 6.5 oz per acre. EnSoil was applied at 4 oz and 8 oz per acre.



Trial Design

Grower: JHR Grain Farms

Location: Hickory, NC

Treatments:

- Untreated Control
- Broad Spectrum Fungicide alone
- Broad Spectrum Fungicide + EnSoil (4 oz per acre)
- Broad Spectrum Fungicide + EnSoil (8 oz per acre)

Planting Date: Mid May

Harvest Date: 10/27/2025

Treatments Given to Plots:

- All applications were made according to described rates and timing, with fungicide at V10-Tassel and EnSoil at the indicated rates.
- **Untreated Control:** No fungicide or EnSoil Algae applied.
- **Fungicide Alone:** Fungicide applied at 6.5 oz per acre at V10-Tassel stage.
- **Fungicide + EnSoil (4 oz per acre):** Fungicide at 6.5 oz/acre (V10-Tassel) plus EnSoil Algae at 4 oz/acre.
- **Fungicide + EnSoil (8 oz per acre):** Fungicide at 6.5 oz/acre (V10-Tassel) plus EnSoil Algae at 8 oz/acre.

Measurements Taken:

- **Corn yield**, measured in bushels per acre for each treatment plot at harvest (10/27/2025).
- **Yield gain** compared to the untreated control, shown in bushels per acre for each treatment.

Goal: To evaluate the synergy of EnSoil Algae when applied alongside a fungicide application in corn production.

Trial Results

The results from Russell Hedrick's trial in Hickory, North Carolina, show a clear yield benefit from combining EnSoil Algae with a broad spectrum fungicide in corn production.

The untreated control yielded 208.41 bushels per acre, serving as the baseline. The broad spectrum fungicide applied alone provided a notable boost, increasing yield by nearly 11 bushels per acre. When EnSoil was added at a half rate (4 oz/ac) alongside the fungicide, the yield gain jumped to 17.7 bushels per acre. The largest increase was seen with the full 8 oz/ac rate of EnSoil combined with the fungicide, which resulted in a substantial yield gain of 26.46 bushels per acre over the control.

These results suggest that EnSoil Algae, especially at the higher rate, can enhance the effectiveness of fungicide applications and drive significant yield improvements in corn.



EnSoil Algae supercharged corn yields when paired with broad spectrum fungicide, adding over 26 bushels per acre compared to untreated fields!