

EnSoil Algae: Elevated Ag Soybean Trial 2025

Higher Soybean Yields and ROI in Virginia Field Trials

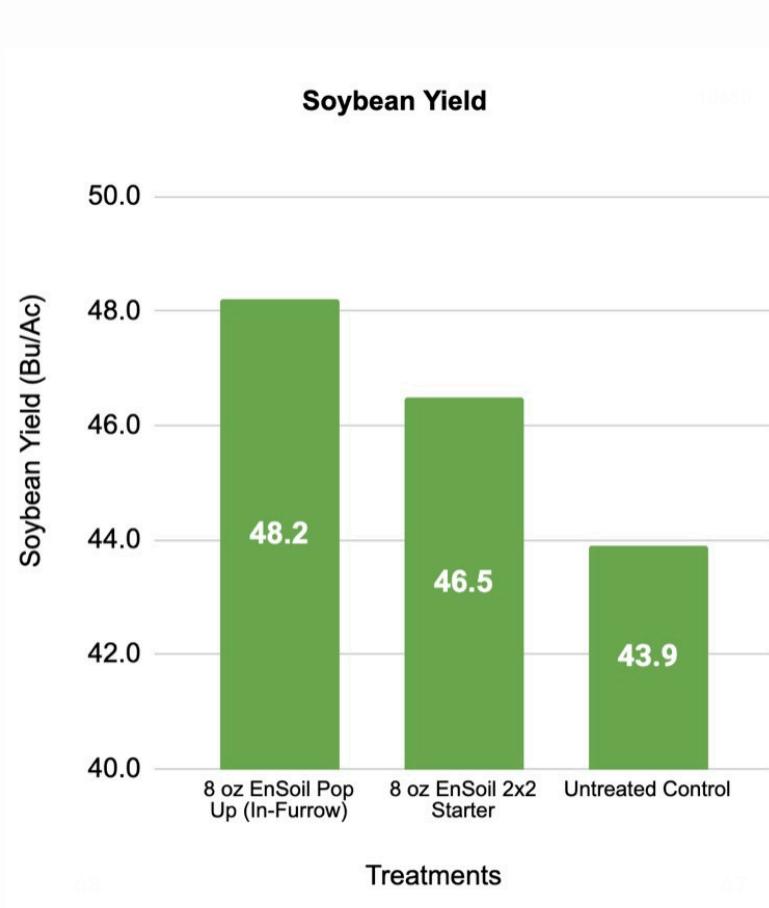
Results

Yields and Returns:

- **8oz EnSoil Pop Up (In-furrow)**
 - Yield: 48.2 bu/ac
 - Yield gain over control: 4.3 bu/ac
 - Soybean bushel price: \$11.11
 - Increase in revenue: \$47.77/ac
 - ROI: \$38.77/ac (215.41%)
- **8oz EnSoil 2x2 Starter**
 - Yield: 46.5 bu/ac
 - Yield gain over control: 2.6 bu/ac
 - Soybean bushel price: \$11.11
 - Increase in revenue: \$28.89/ac
 - ROI: \$19.89/ac (110.48%)
- **Untreated control**
 - Yield: 43.9 bu/ac

Key Findings:

- In-furrow EnSoil treatment delivered the highest yield and ROI
- Both EnSoil treatments outperformed the untreated control
- Return on investment calculations used a soybean price of \$11.11/bu and accounted for product costs



Trial Description: This trial was conducted by Elevated Ag Systems in Loretto Virginia. The trial was performed as a complete randomized block design with a minimum of two replicate plots for each treatment. Each replicate plot consisted of four rows and was 10 ft long with 30 inch row spacing.

Application Description: EnSoil Algae was applied in-furrow at planting as a pop up application in one treatment and also applied in a 2x2 starter band. Both applications were conducted with a rate of 8 oz per acre.



Trial Design

Grower: Elevated Ag Systems

Researcher: Elevated Ag Systems

Location: Loretto, Virginia



Number of Treatment Plots: Number of treatment plots: Minimum of two replicate plots for each treatment.

Planting Date: 5/22/2025

Treatments Given to Plots:

- 8 oz EnSoil Algae applied in-furrow at planting (pop up application)
- 8 oz EnSoil Algae applied as a 2x2 starter band at planting
- Untreated control (no EnSoil Algae applied)

Goal: To evaluate the impact of EnSoil Algae biostimulant applications on soybean yield and return on investment (ROI) compared to an untreated control.

Measurements Taken:

- Soybean yield (bushels per acre) for each treatment
- Yield gain over untreated control (bushels per acre)
- Increase in revenue per acre (based on soybean price of \$11.11/bushel)
- Return on investment (ROI) per acre and percent ROI for each treatment

EnSoil delivered impressive yield gains and strong ROI when applied at planting, proving itself as a smart, cost-effective addition to any soybean management program!

Trial Results

The Elevated Ag Systems soybean trial in Loretto, Virginia, demonstrated the effectiveness of EnSoil Algae as a biostimulant for yield and return on investment.

When applied in-furrow at planting, EnSoil delivered a yield increase of 4.3 bushels per acre over the untreated control, resulting in a notable ROI of \$38.77 per acre, or 215.41%. The 2x2 starter band application also improved yields, raising them by 2.6 bushels per acre and generating an ROI of \$19.89 per acre, or 110.48%.

Both treatments resulted in higher yields and increased revenue compared to the control, showing that EnSoil can provide significant economic benefits for soybean growers when used as part of a standard production program.

