EnSoil Algae®: S&R Ag Consulting Peanut Trial 2025

Higher Peanut Yield and ROI in Georgia Field Trial

Yield and Economic Return Results:

Treatment: EnSoil applied twice (8 oz/acre each time) as foliar sprays—late July and 20 days later (pegging stage).

Untreated Control: All other grower practices were identical between EnSoil and control areas.

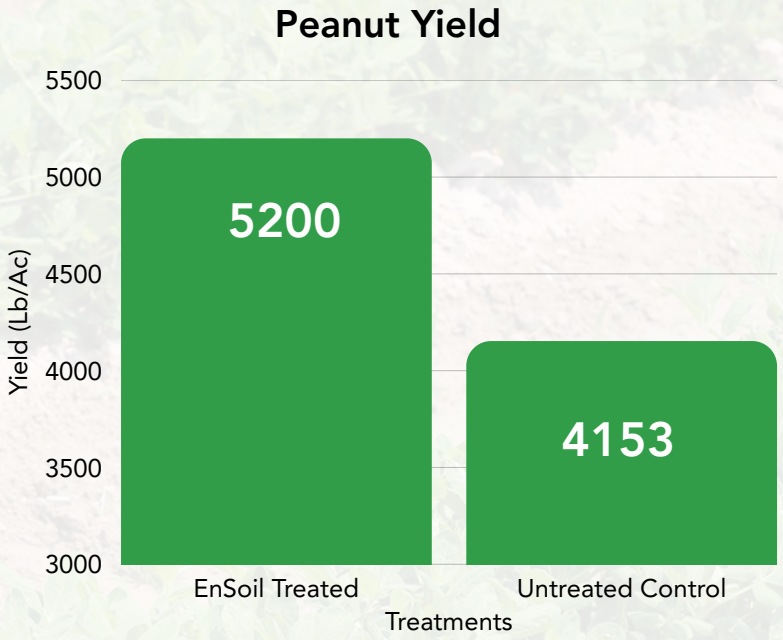
Yield Results:

- EnSoil Treated: 5200 lb/acre
- Untreated Control: 4153 lb/acre
- Yield Increase: 1047 lb/acre (EnSoil vs. control)

Economic Impact:

- Market Price Used: $0.18 per lb
- Revenue Increase per Acre: $188.46
- EnSoil ROI per Acre: $170.46 (947%)

Additional Observations: EnSoil-treated area showed greener tissue and higher peanut quality grades.



Trial Description: This irrigated peanut trial was conducted by independent agricultural research firm S & R Ag Consulting. The trial site was located in Newton, Georgia and consisted of loamy sand soil. Aside from EnSoil applications, all grower standard practices were maintained as consistent between the EnSoil block and untreated control block.

Application Description: EnSoil was applied twice throughout the season, including a foliar treatment in late July and a second foliar application about 20 days later at the pegging stage. Both EnSoil treatments were applied at a rate of 8 oz per acre.

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

© 2025 Enlightened Soil Corp. All data remains the property of Enlightened Soil Corp and is provided to the recipient for authorized business use only. No transfer of ownership is implied.

EnSoil Algae®

Made in USA

Trial Design

Grower: Bo Heard
Researcher: S&R Ag Consulting
Location: Newton, GA

Planting Date: June 2025
Harvest Date: November 2025

Treatments Given to Plots:

- EnSoil Treated Plots:
  - Received two foliar applications of EnSoil (8 oz/acre each), one in late July and a second about 20 days later at the pegging stage.
- Untreated Control Plots:
  - Did not receive EnSoil; only grower standard grower practices were followed (identical to EnSoil plots except for the EnSoil application).

Goal: To evaluate the effect of EnSoil applications on irrigated peanut yield, crop quality, and economic return compared to standard grower practices (untreated control) in Georgia. Specifically, the trial aimed to determine whether EnSoil could:

- Increase peanut yield (lb/acre)
- Improve peanut tissue greenness and quality grades
- Deliver a positive return on investment (ROI) for growers under typical management conditions

Measurements Taken:

- Peanut yield (lb/acre) for both EnSoil-treated and untreated control plots
- Yield gain (lb/acre) from EnSoil treatment versus control
- Peanut market price per lb (used for ROI and revenue calculations)
- Increase in revenue per acre due to EnSoil treatment
- Return on investment (ROI) per acre for EnSoil application
- Peanut quality grades (noted as higher in EnSoil-treated plots)
- Greenness of plant tissue (visual observation, noted as greener in EnSoil-treated plots)

Trial Results

The EnSoil peanut trial in Newton, Georgia yielded some impressive results. By applying EnSoil twice during the growing season—first in late July and again at the pegging stage—researchers saw a dramatic increase in irrigated peanut yield.

The EnSoil-treated plots outperformed the untreated control by over 1,000 pounds per acre, with final yields reaching 5,200 pounds per acre compared to 4,153 pounds for the control. This translated into a revenue boost of $188.46 per acre, based on a conservative peanut market price of $0.18 per pound. Even after accounting for the cost of the EnSoil product, the return on investment was remarkable at $170.46 per acre, or 947%.

Beyond the numbers, the grower reported noticeably greener plant tissue and higher quality peanut grades in the treated area, signaling both notable qualitative and quantitative benefits from the EnSoil applications. These results suggest that integrating EnSoil into standard peanut management practices could offer growers a meaningful edge in yield and quality.



EnSoil delivered a yield boost of over 1,000 pounds per acre and a 947% ROI in Georgia peanut fields—proving it's a game-changer for growers looking to maximize both profit and crop quality.

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

© 2025 Enlightened Soil Corp. All data remains the property of Enlightened Soil Corp and is provided to the recipient for authorized business use only. No transfer of ownership is implied.