

Nature's Formula Bio-Sure Grow at Planting vs Nature's Formula Bio-Sure Grow at Planting and Sidedress vs Check on Soybeans

Study ID: 011035201601

County: Clay

Soil Type: Butler silt loam

Planting Date: 5/6/16

Harvest Date: 10/1/16

Population: 140,000

Row Spacing (in): 30

Hybrid: Asgrow 2431

Reps: 4

Previous Crop: Corn

Tillage: No-Till

Herbicides: 2-4,D and Roundup

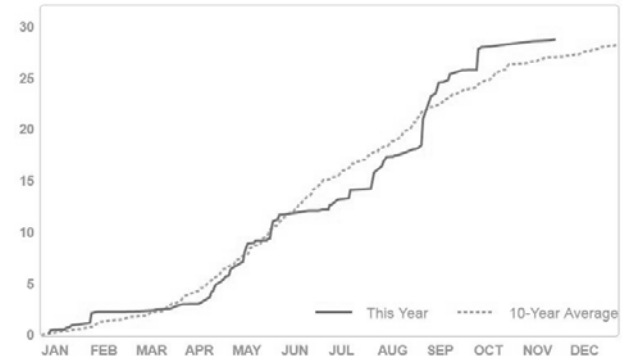
Foliar Insecticides: None

Foliar Fungicides: None

Fertilizer: 11-52-0

Irrigation: None

Rainfall (in):



Introduction: This study is looking at using Nature's Formula Bio-Sure Grow at planting in-furrow and at sidedress. Product information is at right. Nature's Formula Bio-Sure Grow advertises as an all-natural organic humus and manure extract that is put through a proprietary process to suspend the micro nutrients within the solution. The product claims to be a natural quick response formulation of nitrogen, phosphorus, and potassium.

The three treatments being tested are:

A: Check

B: Bio-Sure Grow at planting in furrow

C: Bio-Sure Grow at planting in furrow + Bio-Sure Grow at sidedress.

NATURES FORMULA
P.O. BOX 200 BROWNSBORO, TEXAS 76766

Bio-Sure Grow

Guaranteed Analysis:

Total Nitrogen(N)	0.62%
Available Phosphorus(P ₂ O ₅)	0.010%
Soluble Potash(K ₂ O)	0.018%
Soluble Iron	0.006%
Soluble Magnesium	0.002%
Soluble Zinc	0.001%

Derived From:
Manure, Peat Moss, and Humus

Product information from:
<http://www.agenviromgmt.com/shop/natures-fluid>

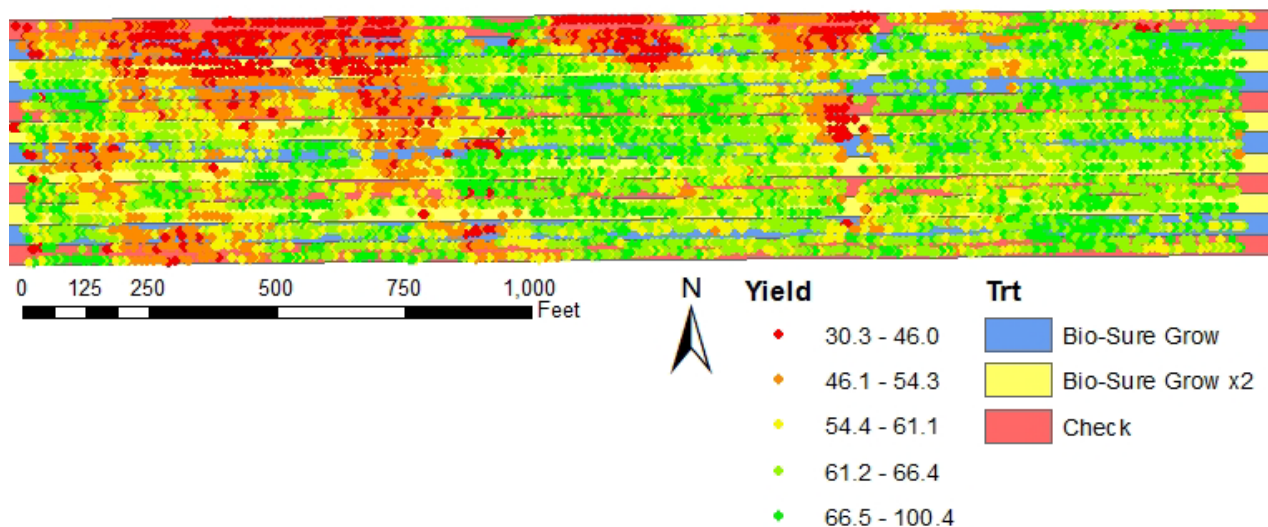
Results:

	Yield (bu/acre) [†]	Moisture (%)	Marginal Net Return [‡] (\$/ac)
Check	59 A*	12.6 A	545.75
Nature's Formula Bio-Sure Grow at Planting	59 A	12.5 A	530.75
Nature's Formula Bio-Sure Grow at Planting and Sidedress	61 A	12.3 A	526.12
P-Value	0.318	0.640	-

[†]Bushels per acre corrected to 13% moisture.

*Values with the same letter are not significantly different at a 90% confidence level.

[‡]Marginal net return based on \$9.25/bu soybean price, \$15/ac product cost, and \$8.13/ac sidedress application cost. No additional cost for product application at planting as it did not involve an additional trip.



Summary: Using the Nature's Fertilizer Bio-Sure Grow did not result in a yield increase when compared with the check. Due to additional product and application costs, the check resulted in the highest marginal net return.

Sponsored by:



In Partnership with:



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture. University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.

©2016