



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

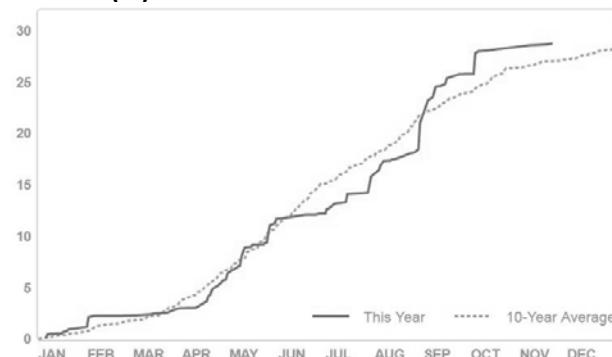
Foliar Insecticides: None

Foliar Fungicides: None

Fertilizer: 11-52-0

Irrigation: None

Rainfall (in):



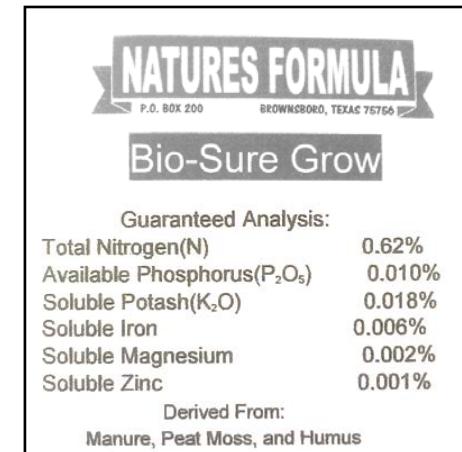
Introduction: This study is looking at using Nature's Formula Bio-Sure Grow at planting in-furrow and at sidedress. Product information is at right. Nature's Formula Bio-Sure Grow advertises as an all-natural organic humus and manure extract that is put through a proprietary process to suspend the micro 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.



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

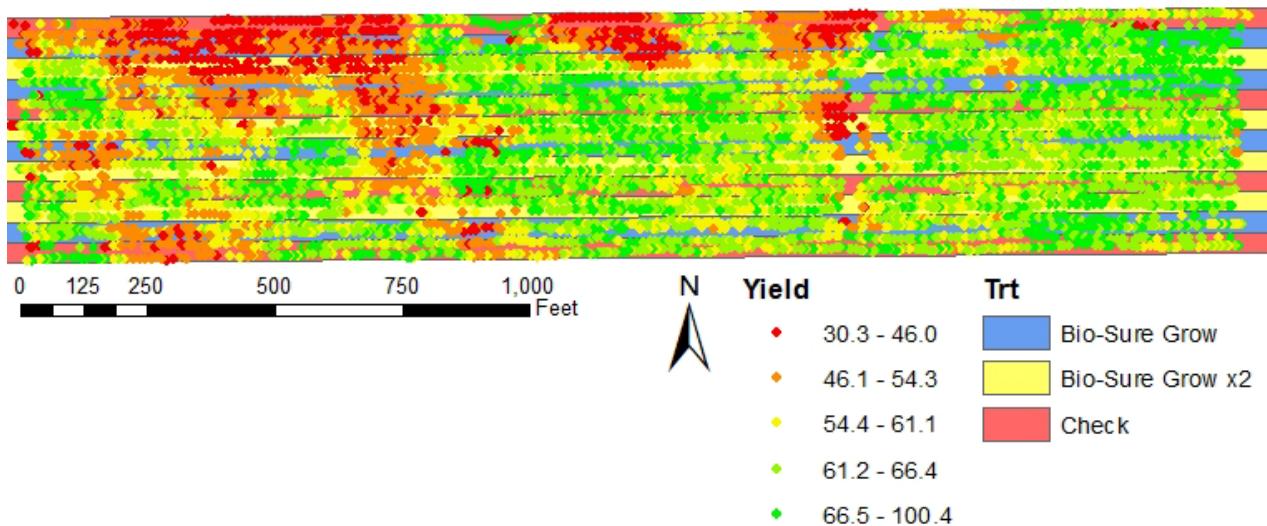
Results:

	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.

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