

GRASSHOPPER

Advanced Liquid Fertilizer

Research and Development – Corn Test AR2010

Section I 10 Acre Test Plot	Section II 10 Acre Test Plot
Location: Elgin, Arkansas	Location: Elgin, Arkansas
Soil Type: Sandy Loam	Soil Type: Sandy Loam
Date Planted: March 18, 2010	Date Planted: March 18, 2010
Agronomist, Crop Scouts, or Witness: Keith Scoggins; Keith Garland: 870-217-3461	Agronomist, Crop Scouts, or Witness: Keith Scoggins; Keith Garland: 870-217-3461
Date Harvested: Sept. 21, 2010	Date Harvested: Sept. 21, 2010

Objective: The objective of this test was to measure bushel per acre of yield increase in corn and compare cost.

Method Use: The seed were planted at 35,000 seed per acre in 30 inch rows on a 60 inch seed bed.

Seed Corn Used 33D59		Seed Corn Used 33D59	
	Cost:		Cost:
Fertilizer Used as a Starter: Grasshopper 10-52-2	\$26.00 an acre	Fertilizer used as a starter: Agro Culture, Pro Germinator with a Micro 500 Micro Nutrient Package	\$67.00 an acre
When Corn Reaches 6-8 inches in height. Corn was sprayed with Grasshopper 30-8-10 and 2 Pints of Glyphosate.	\$29.00 an acre	When Corn Reaches 6-8 inches in height. Corn was sprayed with 2 Pints of Glyphosate.	\$4.00 an acre
Corn reaches 3' 200 lbs. 46-0-0 Urea was applied by aircraft.	\$42.50 an acre	Corn reaches 3' 200 lbs. 46-0-0 Urea was applied by aircraft.	\$42.50 an acre
Pre Tassel 100 lbs. 46-0-0 Urea was applied by aircraft.	\$21.25 an acre	Pre Tassel 100 lbs. 46-0-0 Urea was applied by aircraft.	\$21.25 an acre

Total Cost of Fertilizer and Glyphosate

Section I	Section II
\$118.75	\$134.75

Bushel per Acre

196 Bushel	163 Bushel
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Result:

Bushel increase in Section I is 33 bushel per acre.

Cost:

It cost \$16 less per acre in Section I than in Section II. There is a 33 bushel increase at \$5.85 a bushel that is a \$193.05 increase, plus \$16.00 saved on fertilizer for a total of \$209.05 acre increase in revenue.

Conclusion:

Fertilizers have been proven to play an important role in crop production. Although many commercial fertilizers have been shown to increase yields, many of these products are unable to generate a yield increase large enough to cover the input cost of the fertilizer application. Grasshopper Fertilizer has generated a revenue increase per acre that is 2-3 times greater than the input cost of the application. By increasing root development and supplying nutrients directly to the plant, Grasshopper Fertilizer helps the plant achieve maximum growth throughout a variety of adverse growing conditions.

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Grasshopper's 10-52-2 Seed Starter

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Corn Trials AR