

General Information

Date: 2008
Crop: Corn
Organization Name: University of Illinois
Location: Urbana, Illinois
Project Leader: Dr. Emerson Nafziger

Study Information

Product(s) Tested: Bio-Forge®, PowerPlus™

Conditions: Dryland. Tested with and without herbicides. Serious weather-related problems, late plant (June 11) water stress issues. Silty clay loam.

Plant Population: 33,500 per acre

Results

Product	Rate of Application	Growth Stage at Application	Average Yield	Change in Yield	Percent Change
Control			166.7 bu/acre		
Quilt	14 oz. per acre	VT	178.8 bu/acre	12.1 bu/acre 7.2% increase	7.20%
Bio-Forge / Quilt	1 pint per acre / 14 oz. per acre	V6	181.5 bu/acre	14.8 bu/acre 9.0% increase	9.00%
Bio-Forge / Quilt	1 pint per acre / 14 oz. per acre	V9	187.6 bu/acre	20.9 bu/acre 12.5% increase	12.50%
Bio-Forge / Quilt	0.5 pint per acre / 14 oz. per acre	V12 / VT	184.0 bu/acre	17.3 bu/acre 10.4% increase	10.40%
Bio-Forge / Quilt	1 pint per acre / 14 oz. per acre	V12 / VT	176.9 bu/acre	10.2 bu/acre 6.1% increase	6.10%
Control			148.3 bu/acre		
PowerPlus	1/2 gal per acre		154.0 bu/acre	5.7 bu/acre 3.8% increase	3.80%
PowerPlus	2 gal per acre		166.6 bu/acre	18.3 bu/acre 12.3% increase	12.30%
Control w/ Nitrogen	100 N Rate		187.1 bu/acre		
PowerPlus w/ Nitrogen	0.5 gal per acre / 100 N rate		193.7 bu/acre	6.6 bu/acre 3.5% increase	3.50%
PowerPlus w/ Nitrogen	1/2 gal per acre / 100 N rate		193.8 bu/acre	6.7 bu/acre 3.5% increase	3.50%
PowerPlus w/ Nitrogen	2 gal per acre / 100 N rate		200.2 bu/acre	13.1 bu/acre 7.0% increase	7.00%

Conclusions/Observations

Stoller products enhance the yield performance of a hybrid when used in conjunction with herbicides. Bio-Forge may be considered a cost effective yield enhancer in lieu of using herbicides.
 PowerPlus can increase the efficiency of Nitrogen applied.

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This represents a portion of the data developed in the research site. It is presented in a summary format to facilitate the sharing of information.