

General Information

Crop: Corn
Organization Name: Southern Illinois University
Location: Carbondale, Illinois
Project Leader: Dr. Jason Bond

Study Information

Product(s) Tested: Bio-Forge®, STO-4.33 (STO-4.33 is a Stoller Product still in development)
Conditions: Dryland. Tested with and without herbicides.

Results

Product	Rate of Application	Growth Stage at Application	Average Yield	Change in Yield	Percent Change
Bio-Forge	1.0 pint per acre	V12	206.57 bu/acre	15.15 bu/acre	8.00%
STO-4.33	1.5 pint per acre	V12	196.05 bu/acre	4.625 bu/acre	2.00%
STO-4.33	2.0 pint per acre	V12	197.75 bu/acre	6.33 bu/acre	3.00%
Bio-Forge / STO-4.33	0.5 pint per acre / 1.5 pint per acre	V12	211.65 bu/acre	20.23 bu/acre	10.50%
Bio-Forge / STO-4.33	0.5 pint per acre / 2.0 pint per acre	V12	198.65 bu/acre	7.23 bu/acre	4.00%
Bio-Forge / STO-4.33	1.0 pint per acre / 1.5 pint per acre	V12	200.02 bu/acre	8.60 bu/acre	4.50%
STO-4.33 / Headline	skin	VT	230.57 bu/acre	39.15 bu/acre	20.00%
Bio-Forge / Headline	Bio-Forge 0.5 pint per acre	VT	196.97 bu/acre	5.50 bu/acre	2.80%
STO-4.33 / Quilt	STO-4.33 1.5 pint per acre	VT	204.87 bu/acre	13.45 bu/acre	7.00%
STO-4.33 / Quilt	STO-4.33 2.0 pint per acre	VT	230.22 bu/acre	38.80 bu/acre	20.20%
Bio-Forge / Headline	Bio-Forge 0.5 pint per acre	VT	222.40 bu/acre	30.98 bu/acre	16.00%

Conclusions/Observations

Stoller products enhance the yield performance of a hybrid when used in conjunction with herbicides. A61 Bio-Forge may be considered a cost effective yield enhancer in lieu of using herbicides.

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