

General Information

Date: 2008
Crop: Corn
Organization Name: Iowa State University
Location: Ames, Iowa
Project Leader: Alison Robertson

Study Information

Product(s) Tested: Bio-Forge®, PowerPlus™, Root Power, STO-4.33 (STO-4.33 is a Stoller Product still in development)

Irrigation: Dryland

Results

Product	Rate of Application	Growth Stage at Application	Average Yield	Change in Yield	Percent Change
Control	0 lb N/acre		199.65 bu/acre		
Control	50 lb N/acre		209.475 bu/acre	9.825 bu/acre	4.9%
Bio-Forge	1 pint/acre	V4	210.775 bu/acre	11.125 bu/acre	5.6%
PowerPlus/Nitrogen	2 gallons/acre & 50 lb N/acre	V4	215.3 bu/acre	15.65 bu/acre	7.8%
Root Power/Nitrogen	6 pints/acre & 50 lb N/acre	V4	220.675 bu/acre	21.025 bu/acre	10.5%
Control	Unsprayed		195.6 bu/acre		
Headline	Label rate		215.625 bu/acre	20.03 bu/acre	10.2%
Quilt	Label rate		207.4 bu/acre	11.8 bu/acre	6.0%
Bio-Forge	0.5 pints/acre	V12	208.725 bu/acre	13.125 bu/acre	6.7%
Bio-Forge	1.5 pints/acre	V12	212.2 bu/acre	16.6 bu/acre	8.5%
STO-4.33	1.5 pints/acre	V12	214.3 bu/acre	18.7 bu/acre	9.6%
STO-4.33	2.5 pints/acre	V12	216.3 bu/acre	20.7 bu/acre	10.6%
Headline/Bio-Forge	Label rate & 0.5 pints/acre	R1	214.85 bu/acre	19.25 bu/acre	9.8%
Headline/Bio-Forge	Label rate & 1 pint/acre	R1	218.1 bu/acre	22.5 bu/acre	11.5%
Quilt/Bio-Forge	Label rate & 0.5 pints/acre	R1	222.35 bu/acre	26.75 bu/acre	13.7%
Quilt/STO-4.33	Label rate & 1.5 pints/acre	R1	214.575 bu/acre	18.98 bu/acre	9.7%
Quilt/STO-4.33	Label rate & 2 pints/acre	R1	216.925 bu/acre	21.33 bu/acre	10.9%

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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.