

LSU Northeast Research Station

EVALUATION OF ALTERNATIVE SEED TREATMENTS IN SOYBEANS

GENERAL TRIAL INFORMATION

Study Director: MONSANTO
Investigator: Donnie Miller
TRIAL LOCATION: ST. JOSEPH, LA
Crop 1: GLXMA SOYBEAN
Planting Date: 9/Apr/2008

SITE AND DESIGN

Plot Width, Unit: 13.32 FT
Plot Length, Unit: 120 FT
Reps: 1
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 50 % OM: 0.5
% Silt: 28 pH: 6.8
% Clay: 22 CEC: 12.8
Texture: SILT LOAM

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| Crop Code | | | | | | | | | GLXMA | GLXMA | GLXMA | | |
|--------------------|---------------|-------------|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|------|
| Part Rated | | SEEDLI | SEEDLI | | PLANTS | AVG STD CTS | PLANTS | SEEDLI | | | | | |
| Rating Data Type | | EMMERGENCE | VIGOR | AVG STD CTS | /15 SQFT | /acre | /15 SQFT | VIGOR | YIELD | MOISTURE | YIELD | | |
| Rating Unit | | | | /15 SQFT | /acre | /15 SQFT | /acre | | LB/PLOT | % | BU/A | | |
| Rating Date | | 18/Apr/2008 | 5/May/2008 | 5/May/2008 | 5/May/2008 | 20/May/2008 | 20/May/2008 | 20/May/2008 | 30/Aug/2008 | 30/Aug/2008 | 30/Aug/2008 | | |
| Crop Stage | | V1 | V2-V3 | V2-V3 | V2-V3 | V6-V8 | V6-V8 | V6-V8 | | | | | |
| ARM Action Codes | | | | | T1 | | | | | | TY2 | | |
| # Subsamples, Dec. | | | | | | | | | | | 1 | | |
| Trt | Treatment | | | | | | | | | | | | |
| No. | Name | Rate Unit | Appl Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | NONTREATED | A | | 9.00 | 9.00 | 24.30 | 70567.21 | 29.20 | 84796.01 | 9.00 | 60.30 | 13.60 | 58.4 |
| 2 | TRILEX FL + | A | | 9.00 | 9.00 | 28.50 | 82764.01 | 26.50 | 76956.01 | 9.00 | 64.90 | 13.70 | 62.7 |
| | ALLEGIANCE FL | A | | | | | | | | | | | |
| 3 | PBS INTEGRAL | A | | 9.00 | 9.00 | 28.60 | 83054.41 | 27.30 | 79279.01 | 9.00 | 63.80 | 13.60 | 62.6 |
| 4 | EBC-352 | A | | 9.00 | 9.00 | 24.40 | 70857.61 | 27.40 | 79569.01 | 9.00 | 62.30 | 13.70 | 61.5 |
| 5 | PBS INTEGRAL | A | | 8.50 | 9.00 | 27.90 | 81021.61 | 28.60 | 83054.01 | 9.00 | 55.70 | 13.60 | 55.7 |
| | EBC-352 | A | | | | | | | | | | | |
| 6 | TRILEX FL | A | | 8.50 | 9.00 | 33.40 | 96993.61 | 26.00 | 75504.01 | 9.00 | 64.20 | 13.60 | 62.9 |
| | ALLEGIANCE FL | A | | | | | | | | | | | |
| | PBS INTEGRAL | A | | | | | | | | | | | |
| 7 | TRILEX FL | A | | 9.00 | 9.00 | 28.90 | 83925.61 | 29.90 | 86829.01 | 9.00 | 69.40 | 13.70 | 68.8 |
| | ALLEGIANCE FL | A | | | | | | | | | | | |
| | EBC-352 | A | | | | | | | | | | | |
| 8 | TRILEX FL | A | | 9.00 | 9.00 | 28.70 | 83344.81 | 28.60 | 83054.01 | 9.00 | 71.50 | 13.70 | 69.8 |
| | ALLEGIANCE FL | A | | | | | | | | | | | |
| | PBS INTEGRAL | A | | | | | | | | | | | |
| | EBC-352 | A | | | | | | | | | | | |
| LSD (P=.05) | | | | | | | | | | | | | |
| Standard Deviation | | | | | | | | | | | | | |
| CV | | | | | | | | | | | | | |
| Grand Mean | | | | | | | | | | | | | |
| Bartlett's X2 | | | | | | | | | | | | | |
| P(Bartlett's X2) | | | | | | | | | | | | | |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Column 4: T1 = ([3]*43560)/15
 Column 10: TY2 = 0.98428*[8]*(100-[9])/87