

Fierce Demonstration in Soybean.

Trial ID: 11-5C-S110

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu  
 City State Zip Country: Belleville IL 62221 USA  
 Trial Status: FINAL Initiation Date: 6-6-11

Objectives: Demonstrate the residual weed control from Fierce applied in soybean.

Crop 1: GLXMA Soybean Variety: AG 4005 Description: RR  
 Planting Method: SEEDED Planting Date: 6-6-11  
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN  
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant  
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common  
 Pest 3 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf  
 Pest 4 Type: W Code: XANST Xanthium strumarium L. cocklebur, common

Plot Width, Unit: 30 FT Site Type: FIELD  
 Plot Length, Unit: 80 FT Tillage Type: REDUCED-TILL  
 Replications: 1 Study Design: Non-Randomized

Prior Crops, Year  
 1. GLXMA 2010

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.6 Texture: SILT LOAM  
 pH: 7.2 Soil Name: PIERRON  
 CEC: 7 Fert. Level: P1: 103 LB/A, K: 274 LB/A

#### Application Description

A  
 Application Date: 6-6-11  
 Time of Day: 15:00  
 Application Method: Spray  
 Application Timing: PRE  
 Application Placement: BROSOI  
 Applied By: JRK  
 Air Temperature, Unit: 95 F  
 % Relative Humidity: 40  
 Wind Velocity, Unit: 2 MPH  
 Wind Direction: SW  
 Dew Presence (Y/N): N  
 Soil Temperature, Unit: 76 F  
 Soil Moisture: NORMAL  
 % Cloud Cover: 0

6-6-11  
 Crop stage at application: NA

#### Pest Stage At Each Application

Application Date: 6-6-11  
 Weed Code: SETFA  
 Stage Majority (leaves): NA  
 Weed Code: AMATA  
 Stage Majority (leaves): NA  
 Weed Code: IPOHE  
 Stage Majority (leaves): NA  
 Weed Code: XANST  
 Stage Majority (leaves): NA

#### Application Equipment

Appl. Equipment: CO2 sprayer  
 Operating Pressure: 30 PSI  
 Nozzle Type: Flat fan  
 Nozzle Size: XR 8002  
 Boom Length, Unit: 10 FT  
 Spray Volume, Unit: 15 GPA

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Pest Code		SEFTA	AMATA	IPHE	XANST
Crop Code		ZEAMD			
Rating Date		7-11-11	7-11-11	7-11-11	7-11-11
Rating Data Type		Injury	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing					
Trt-Eval Interval		35 DA-A	35 DA-A	35 DA-A	35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	FIERCE	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	0	60	97	30
3	FIERCE XLT					4	oz/a	PRE	A	0	87	99	60
3	VALOR SX	51	WG	0.056	lb ai/a			PRE	A				
3	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A				
3	V-10206	85	WG	0.053	lb ai/a			PRE	A				

LSD (P=.05)

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Valent (Demo).
2. Ratings: CI/WC at 35 DAT.
3. Mixing and spraying instructions; mix size and amounts are for 10 by 80 ft.  
Mix (3) two-liter bottles for each 30 by 80 ft plot. Spray 3 passes per plot with a 10 ft boom.
4. Following the PRE application rainfall totals for the first and second week were 1.6 and 3.27 inch, respectively.