

Southern Illinois University

Fierce Demonstration in Soybean.

Trial ID: 12-21N-E70

Location: Belleville Res. Center

Investigator: Bryan Young

General Trial Information

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor

Trial Status: F - one-year/final
Initiation Date: 5-23-12

Trial Location

City: Belleville
State/Prov.: IL
Postal Code: 62221
Country: USA

Objectives:

Demonstrate the crop tolerance and weed control spectrum of Fierce and Fierce XLT in soybean.

Personnel

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor
Affiliation: Southern Illinois University
Address: 1205 Lincoln Drive - AG 176 - MC 4415
Location: Carbondale IL
Postal Code: 62901 **E-mail:** bgyoung@siu.edu
Phone No.: 618-453-7679 **Mobile No.:** 618-713-6471

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: AG3832 **Description:** RR2Y
BBCH Scale: BSOY **Planting Date:** 5-23-12
Planting Method: SEDED Seeded **Rate, Unit:** 75 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 30 IN

Pest Description

Pest 1 Type: W **Code:** SETFA - Setaria faberi Herrm.
Common Name: foxtail, giant

Pest 2 Type: W **Code:** ABUTH - Abutilon theophrasti Medik.
Common Name: velvetleaf

Pest 3 Type: W **Code:** IPOHE - Ipomoea hederacea (L.) Jacq.
Common Name: morningglory, ivyleaf

Pest 4 Type: W **Code:** AMBTR - Ambrosia trifida L.
Common Name: ragweed, giant

Pest 5 Type: W **Code:** XANST - Xanthium strumarium L.
Common Name: cocklebur, common

Site and Design

Plot Width, Unit: 20 FT **Site Type:** FIELD field
Plot Length, Unit: 90 FT
Plot Area, Unit: 1800 FT2 **Tillage Type:** REDTIL reduced-till
Replications: 1 **Study Design:** NONRAN Non-Randomized

No.	Previous Crop	Year
1.	ZEAMD	2011

Maintenance

No.	Maintenance Treatment Name
1.	N 0 LB/A, P205 0 LB/A, K20 150 LB/A

Soil Description

% OM: 2.1 **Texture:** SIL SILT LOAM
pH: 6 **Soil Name:** BETHALTO
CEC: 12

Additional Measured Elements

Element	Quantity	Unit
P1	89	LB/A
K	400	LB/A

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Moisture and Weather Conditions

Overall Moisture Conditions: BELNOR below normal
Closest Weather Station: ICN - Belleville IL **Distance, Unit:** 0.5 MI

Application Description

	A
Application Date:	5-24-12
Time of Day:	8:00
Application Method:	Spray
Application Timing:	PRE
Application Placement:	BROFOL
Applied By:	RJW
Air Temperature, Unit:	75 F
% Relative Humidity:	54
Wind Velocity, Unit:	8 MPH
Wind Direction:	S
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	69 F
Soil Moisture:	BELNOR
% Cloud Cover:	30
Next Rain Occurred On:	5-31-12

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	GLXMA BSOY
Stage Scale Used:	DESC
Stage Majority, Percent:	NA

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	SETFA W DESC
Stage Majority, Percent:	NA
Pest 2 Code, Type, Scale:	ABUTH W DESC
Stage Majority, Percent:	NA
Pest 3 Code, Type, Scale:	IPOHE W DESC
Stage Majority, Percent:	NA
Pest 4 Code, Type, Scale:	AMBTR W DESC
Stage Majority, Percent:	NA
Pest 5 Code, Type, Scale:	XANST W DESC
Stage Majority, Percent:	NA

Application Equipment

	A
Appl. Equipment:	CO2 sprayer
Equipment Type:	BACSPR
Operation Pressure, Unit:	30 PSI
Nozzle Type:	TTI
Nozzle Size:	11002
Boom Length, Unit:	10 FT
Spray Volume, Unit:	15 GPA

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Trial Comments

1. Protocol: Valent.
2. Ratings: CI/WC 42 DAT.
3. Blanket glyphosate POST possible after 42 DAT rating, was applied on 7-6-12.
4. Notify Eric Ott when planted.
5. Rainfall following the PRE application was 0.28 inch 7 days later and 0.75 inch 18 days later.
6. Not harvested.