

The Ohio State University

Fierce Brands - Soybeans

Ceres Trial ID: VUSA2024 Ceres Protocol ID: VUSA2024RDE42.00

Location:

Project ID: 202042

Study Director: COORDINATOR, VUSA Sponsor Contact: Affiliate Restricted:

Investigator:

Crop Description

Crop 1: GLXM12 Glycine max GMO	Soybean, Glyph/Glufo/2,4-D Tol	BBCH Scale: BSOY
Entry Date: May-8-2024	Stage Scale: BBCH	
Variety: P34A98E	Seed Size: 2310 S/LB	
Attributes: RE24D	1000 Seed Weight: 196.537 g	
Seed Lot No: W3WOO13041-LIT-1023	Maturity Group: 3.4	
% Germination: 90	Seed Source: Pioneer	
Seed Shape: ROUND	Seed Treatment Products: LumiTreo, Lumiderm, llevo HL	
Planting Date: May-2-2024	Planting Rate: 155000 S/A	
Depth: 1 IN	Planting Method: SEEDED seeded	
Rows per Plot: 8	Soil Moisture: SLIDRY slightly dry	
Row Spacing: 15 IN	Emergence Date: May-14-2024	
Soil Temperature: 58 F	Planting Equipment: FE field equipment	
Ground Cover Planting: 0		
Seed Bed: MEDIUM medium		

Pest Description

Pest 1 Type: W Code: SETFA Setaria faberi	Entry Date: Jun-5-2024
Common Name: Foxtail, Giant	Stage Scale: BBCH
Attributes: W	
Pest 2 Type: W Code: SETPU Setaria pumila	Entry Date: Jun-5-2024
Common Name: Foxtail, Yellow	Stage Scale: BBCH
Attributes: W	
Pest 3 Type: W Code: AMBTR Ambrosia trifida	Entry Date: Jun-5-2024
Common Name: Ragweed, Giant	Stage Scale: BBCH
Attributes: W	
Pest 4 Type: W Code: ABUTH Abutilon theophrasti	Entry Date: Jun-5-2024
Common Name: Velvetleaf	Stage Scale: BBCH
Attributes: W	
Pest 5 Type: W Code: SIDSP Sida spinosa	Entry Date: Jun-5-2024
Common Name: Sida, Prickly	Stage Scale: BBCH
Attributes: W	
Pest 6 Type: W Code: IPOHE Ipomoea hederacea	Entry Date: Jun-5-2024
Common Name: Ivyleaf morningglory	Stage Scale: DESC
Attributes: W	

Site and Design

Treated Plot Width: 10 FT	Site Type: FIEDEM field - demonstration
Treated Plot Length: 30 FT	Experimental Unit: 1 PLOT plot
Treated Plot Area: 300.0 FT ²	Tillage Type: CONTIL conventional-till
Replications: 3	Treatments: 6
	Plots: 18
	Study Design: RACOB� Randomized Complete Block (RCB)
	Trial Map arranged as in field?: Y yes
	Untreated Arrangement: INCLUDED single control randomized in each block
	Distance between Blocks: 5 FT
	Distance between 'Plot' Experimental Units: 0 FT

Previous

No. Crop

1. CORN

Soil Description

Description Name: F-7 Middle	Texture: L loam
% Sand: 35	% OM: 2.1
% Silt: 46	Soil Name: Crosby
% Clay: 19	Fert. Level: G good
	pH: 6.4
	CEC: 10.3

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Application Description

	A	B
Date	May-2-2024	Jun-3-2024
Start Time	8:40 AM	11:00 AM
Stop Time	8:50 AM	11:30 AM
Interval to Prev. Appl.		32 DAYS
Method	SPRAY	SPRAY
Timing	PREPRE	POSPOS
Placement	BROADC	BROADC
Applied By	BARCLAY	McCormick
Entry Date	May-3-2024	Jun-5-2024
Air Temperature	71 F	70 F
% Relative Humidity	34	98
Wind Velocity+Dir	4 MPH, W	3 MPH, E
Wet Leaves (Y/N)	N, no	N, no
Soil Temperature	59 F	66 F
Soil Temperature Depth	6 IN	6 IN
Soil Moisture	DRY	DRY
% Ground Cover	0	80
% Cloud Cover	0	50
First Moisture Occurred On	May-3-2024	Jun-4-2024
Time to First Moisture	1.0 DAY	1.0 DAY
Amount of First Moisture	0.25 IN	0.24 IN
Moisture 1 Week Before Appl.	0.38 IN	0.61 IN

Protocol Application Directions:

2 - One preemergence application fb one postemergence application.

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale	GLXM12, BSOY	GLXM12, BSOY
Stage Scale Used	BBCH	BBCH
Stage Majority		13
Stage Minimum		13
Stage Maximum		14
Height Average		6 IN
Height Minimum, Maximum		4, 6

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Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale	SETFA, W, BBCH	SETFA, W, BBCH
Stage Majority		12
Stage Minimum		12
Stage Maximum		13
Height Average		3 IN
Height Minimum, Maximum		1, 3
Relative Density	HIGH	
Density Average	211.47 m2	
Density Minimum, Maximum	144, 256	
Pest 2 Code, Type, Scale	SETPU, W, BBCH	SETPU, W, BBCH
Stage Majority		22
Stage Minimum		13
Stage Maximum		22
Height Average		3 IN
Height Minimum, Maximum		1, 3
Relative Density	HIGH	
Density Average	273.98 m2	
Density Minimum, Maximum	168, 344	
Pest 3 Code, Type, Scale	AMBTR, W, BBCH	AMBTR, W, BBCH
Stage Majority		18
Stage Minimum		16
Stage Maximum		19
Height Average		8 IN
Height Minimum, Maximum		4, 10
Relative Density	MEDIUM	
Density Average	9.31 m2	
Density Minimum, Maximum	8, 12	
Pest 4 Code, Type, Scale	ABUTH, W, BBCH	ABUTH, W, BBCH
Stage Majority		14
Stage Minimum		13
Stage Maximum		14
Height Average		3 IN
Height Minimum, Maximum		2, 3
Pest 5 Code, Type, Scale	SIDSP, W, BBCH	SIDSP, W, BBCH
Stage Majority		12
Stage Minimum		11
Stage Maximum		12
Height Average		1 IN
Height Minimum, Maximum		0.5, 1
Relative Density	MEDIUM	
Density Average	38.57 m2	
Density Minimum, Maximum	28, 56	
Pest 6 Code, Type, Scale	IPOHE, W, DESC	IPOHE, W, DESC
Stage Majority		12
Stage Minimum		12
Stage Maximum		13
Height Average		2 IN
Height Minimum, Maximum		1, 2

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Sort Order: Replicate 1