

Herbicide Response Screen of PRE Applications - Non-Crop. 5-12-14 (14-COL-PREscreen-60)  
 Trial ID: 14-COL-PREscreen-60 Location: Collinsville, IL

Reps: 3  
 Spray vol: 15 gal/ac

Plots: 10 by 25 feet  
 Mix size: .19226 gallons (min .17226)

SPRAY 6.67 FEET - STAKE AND SPRAY CENTER OF PLOT

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 N

20 FT ALLEY  
 302 303 304 305 306  
 10 FT 204 205 206 XXX 301  
 BORDER 106 XXX 201 202 203  
 101 102 103 104 105

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Amt Product to Measure	Rep
1	NONTREATED								101 203 305
2	AATREX 4L	4 SC	2.0 lb ai/a		2 qt/a		PRE A	24.26 ml/mx	102 205 306
3	FLEXSTAR	1.88 EC	0.353 lb ai/a		24 fl oz/a		PRE A	9.109 ml/mx	103 202 302
4	PURSUIT	2 SL	0.0625 lb ai/a		4 fl oz/a		PRE A	1.516 ml/mx	104 201 303
5	CALLISTO	4 SC	0.188 lb ai/a		6 fl oz/a		PRE A	2.28 ml/mx	105 204 304
6	BALANCE PRO	4 SC	0.0625 lb ai/a		2 fl oz/a		PRE A	0.758 ml/mx	106 206 301

NONTREATED  
 AATREX 4L 4 SC PRE A  
 BALANCE PRO 4 SC PRE A  
 CALLISTO 4 SC PRE A  
 FLEXSTAR 1.88 EC PRE A  
 PURSUIT 2 SL PRE A

Products and amounts needed		
AATREX 4L	4 SC	24.26 ml
BALANCE PRO	4 SC	0.758 ml
CALLISTO	4 SC	2.28 ml
FLEXSTAR	1.88 EC	9.109 ml
PURSUIT	2 SL	1.516 ml

Herbicide Response Screen of PRE Applications - Non-Crop. 5-12-14 (14-COL-PREscreen-60)

Trial ID: 14-COL-PREscreen-60 Location: Collinsville, IL

City State Zip Country: Collinsville, IL 62234 USA

Trial Status: Setup Initiation Date: \_\_\_\_\_

Objectives: Evaluate the efficacy of ALS, triazine, and HPPD, herbicides on Palmer amaranth control.

Crop 1: NONE \_ Variety: NON-CROP Description: \_\_\_\_\_
Planting Method: NA Planting Date: \_\_\_\_\_
Rate, Unit: \_\_\_\_\_ Depth, Unit: \_\_\_\_\_
Row Spacing, Unit: \_\_\_\_\_ Seed Bed: \_\_\_\_\_
Soil Moisture: \_\_\_\_\_ Soil Temp, Unit: \_\_\_\_\_

Treated Plot Width, Unit: 6.67 FT Total Plot Width, Unit: 10 FT Site Type: FIELD
Treated Plot Length, Unit: 25 FT Total Plot Length, Unit: 25 FT Tillage Type: REDTIL
Replications: 3 Study Design: RACOBL

Previous Crop, Year: GLXMA, 2013

Field Prep./Maintenance: N \_\_\_ LB/A, P205 \_\_\_ LB/A, K20 \_\_\_ LB/A

% Sand: \_\_\_ % OM: \_\_\_ Texture: \_\_\_\_\_
% Silt: \_\_\_ pH: \_\_\_ Soil Name: \_\_\_\_\_
% Clay: \_\_\_ CEC: \_\_\_ Fert. Level: P1 \_\_\_, K \_\_\_

Application Description

A

Application Date: \_\_\_\_\_
Appl. Start Time: \_\_\_\_\_
Appl. Stop Time: \_\_\_\_\_
Application Method: Spray
Application Timing: PRE
Application Placement: BROSOI
Applied By: \_\_\_\_\_
Air Temperature, Unit: \_\_\_ F
% Relative Humidity: \_\_\_\_\_
Wind Velocity, Unit: \_\_\_ MPH
Wind Direction: \_\_\_\_\_
Dew Presence (Y/N): \_\_\_
Soil Temperature, Unit: \_\_\_ F
Soil Moisture: \_\_\_\_\_
% Cloud Cover: \_\_\_\_\_
Next Moisture Occurred On: \_\_\_\_\_

Crop stage Min, Max: \_\_\_ - \_\_\_
Height Min, Max (inch): \_\_\_ - \_\_\_

Application Equipment

Appl. Equipment: CO2 sprayer
Equipment Type: BACSPR
Operation Pressure, Unit: 30 PSI
Nozzle Type: XR
Nozzle Size: 8002
Boom Length, Unit: 6.67 FT
Spray Volume, Unit: 15 GPA

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 2: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 3: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 4: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 5: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 6: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 7: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____
Weed 8: _____						
LVS (#) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Ht (in) min-max, maj	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___	___-___/___
Est Density (#/sqft)	_____	_____	_____	_____	_____	_____

Trial Comments

1. Protocol: SIU.
2. Ratings: WC 14, 28, and 56 DA-A.
3. No yield (non-crop).
4. Photos.