

Pokeweed Control with Permit.

Project Code: 07-YRC-Poke Location: Murphysboro, IL  
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Murphysboro IL 62966 USA  
Trial Status: Final Updated: 1-24-08

Objective:

Determine the level of efficacy of Permit and Yukon versus competitive standards on common pokeweed and other species.

Weed Code Common Name Scientific Name  
1. PHTAM pokeweed, common Phytolacca americana L.

Crop 1: None non-crop

Plot Width, Unit: 10 FT Plot Length, Unit: 50 FT Reps: 4  
Tillage Type: No-Till Study Design: Randomized complete block  
Previous Crop, Year: GLXMA, 2006  
Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

Soil Name: Alvin % OM: 1.6 pH: 5.2 CEC: 6.7  
Texture: Very fine sandy loam Fert. Level: P1: 56 LB/A, K: 143 LB/A

APPLICATION DESCRIPTION

A

Application Date: 5-30-07  
Time of Day: 8:00  
Application Method: Spray  
Application Timing: 6" PW  
Applic. Placement: BROFOL  
Air Temp., Unit: 71 F  
% Relative Humidity: 75  
Wind Velocity, Unit: 0 MPH  
Dew Presence (Y/N): N  
Soil Temp., Unit: 71 F  
Soil Moisture: NORMAL  
% Cloud Cover: 100

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: None NA  
Height, Unit: NA NA

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code: PHTAM  
Stage(leaves): 4-14  
Height(inches): 4-13  
Density: Medium

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 sprayer  
Operating Pressure: 40 PSI  
Nozzle Type: Flat fan  
Nozzle Size: XR 8002  
Boom Length, Unit: 7.5 FT  
Spray Volume, Unit: 15 GPA

NOTES:

Pokeweed Control with Permit.

Project Code: 07-YRC-Poke Location: Murphysboro, IL  
 Investigator: Bryan Young

Weed Code	PHTAM	PHTAM
Crop Code		
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Date	6-13-07	6-27-07
Trt-Eval Interval	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code		
1	PERMIT	75	WG	0.0314	lb ai/a	0.67	oz/a	6"PW	A	30	d
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	6"PW	A	43	b
1	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	6"PW	A		
2	YUKON	67.5	WG	0.169	lb ai/a	4.0	oz/a	6"PW	A	94	a
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	6"PW	A		
2	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	6"PW	A		
3	CALLISTO	4	SC	0.094	lb ai/a	3.0	fl oz/a	6"PW	A	70	c
3	AATREX	4	L	0.33	lb ai/a	10.6	fl oz/a	6"PW	A	99	a
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	6"PW	A		
3	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	6"PW	A		
4	STATUS	56	WG	0.175	lb ai/a	5	oz/a	6"PW	A	79	b
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	6"PW	A	90	a
4	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	6"PW	A		
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"PW	A	99	a
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	6"PW	A		
5	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	6"PW	A		
6	NONTREATED									0	e
	LSD (P=.05)									7.7	9.2
	Replicate F									0.411	0.982
	Replicate Prob(F)									0.7473	0.4275
	Treatment F									233.643	178.976
	Treatment Prob(F)									0.0001	0.0001

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

Trial Comments

1. Protocol: Gowan (D-PER-07-21-1).
2. Ratings: CI/WC 14 + 28 DAT.
3. No yield.
4. Photos appreciated.
5. DA-A = Days after 6"PW application.
6. Not harvested.