

Valent Soybean Demonstration.

Trial ID: 10-KRC-ValentSoy

Location: Kuehn Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Dowell IL 62927 USA
 Trial Status: FINAL Initiation Date: 05-16-10

Objectives: Demonstrate the residual activity of Valent herbicides
 in soybean.

Crop 1: GLXMA Soybean Variety: P94Y70 Description: RR
 Planting Method: SEEDED Planting Date: 06-04-10
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 40 FT Site Type: FIELD
 Plot Length, Unit: 350 FT Tillage Type: NO-TILL
 Replications: 1 Study Design: Randomized Complete Block

Prior Crops, Year

1. GLXMA 2009

Field Prep./Maintenance: N 0 LB/A, P2O5 0 LB/A, K2O 0 LB/A

Application Description

A

Application Date: 05-16-10
 Time of Day: 18:30
 Application Method: Spray
 Application Timing: 7DBP
 Application Placement: BROFOL
 Applied By: BGY

05-16-10
 Crop stage at application: NA

Pest Stage At Each Application

Application Date: 05-16-10
 Weed Code: ERICA
 Weed Code: AMATA

Application Equipment

Appl. Equipment: CO2 sprayer
 Operating Pressure: 30 PSI
 Nozzle Type: Flat fan
 Nozzle Size: XRXI11002
 Boom Length, Unit: 20 FT
 Spray Volume, Unit: 14 GPA

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Pest Code		ERICA	AMATA
Crop Code	GLXMA		
Rating Date	07-04-10	07-04-10	07-04-10
Rating Data Type	Injury	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	30 DAP	30 DAP	30 DAP
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	0	95	65
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A			
1	AMS	100	SG	2	% w/w	2	% w/w	7DBP	A			
2	VALOR XLT	40.3	WG			3	oz/a	7DBP	A	0	98	98
2	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A			
2	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A			
2	V-10206	85	WG	0.053	lb ai/a	1	oz/a	7DBP	A			
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A			
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A			
2	AMS	100	SG	2	% w/w	2	% w/w	7DBP	A			
3	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7DBP	A	0	98	75
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A			
3	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7DBP	A			
3	AMS	100	SG	2	% w/w	2	% w/w	7DBP	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 42 DAT.
3. Yield to be decided following company tour at about 42 DAT.
4. Blanket POST to be decided following company tour at about 42 DAT.
5. DAP = Days after planting.