

Purdue University

Glufosinate demonstrations in soybeans.

Trial ID: 07S-SEP-CTS-60
Location: SEPAC

Protocol ID: 07S-SEP-CTS-60
Study Director: Vince Davis/ Kevin Westerfeld
Investigator: Dr. William G. Johnson

General Trial Information

Study Director: Vince Davis/ Kevin Westerfeld **Title:** Research Associate
Affiliation: Purdue University
Postal Code: 47907 **E-mail:** davisv@purdue.edu/ kwesterf@purdue.edu
Investigator: Dr. William G. Johnson **Title:** Associate Professor
Affiliation: Purdue University
Postal Code: 47909 **E-mail:** wgj@purdue.edu

Trial Location

City: Butlerville
State/Prov.: IN
Postal Code: 47223
Country: USA
Directions:
Field U3

Cooperator/Landowner

Cooperator: Southeast Purdue Ag Center **Country:** USA
Organization: Purdue University **Phone No:** 812-458-6977
Address 1: 4425 E Co Rd 350 N **Fax No:** 812-458-6979
Address 2: PO Box 216
City: Butlerville
State/Prov: IN
Postal Code: 47223

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: SG2579LL **Description:** LL, Gaucho; JD7000
BBCH Scale: BSOY **Planting Date:** May/15/2007
Planting Method: Direct Drilled **Rate, Unit:** 130000 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Soil Temperature, Unit: 66 F
Soil Moisture: Dry **Emergence Date:** May/25/2007

Crop 2: GLXMA Glycine max Soybean
Variety: SG2579LL **Description:** LL, Gaucho; JD 1560
BBCH Scale: BSOY **Planting Date:** May/15/2007
Planting Method: DRILLED **Rate, Unit:** 204000 S/A
Depth, Unit: 1.5 IN
Soil Temperature, Unit: 66 F
Soil Moisture: Dry **Emergence Date:** May/25/2007

Pest Description

Pest 1 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** SIDSP Sida spinosa
Common Name: Teaweed

Pest 4 Type: W **Code:** SETFA Setaria faberi
Common Name: Faber's foxtail

Pest 5 Type: W **Code:** DIGSA
Common Name: Large crabgrass

Pest 6 Type: W **Code:** SOLPT Solanum ptycanthum
Common Name: Eastern black nightshade

Pest 7 Type: W **Code:** DATST Datura stramonium
Common Name: Jimsonweed

Site and Design

Plot Width, Unit: 10 FT **Site Type:** FIELD
Plot Length, Unit: 30 FT **Tillage Type:** NO-TILL
Replications: 4 **Study Design:** Randomized Complete Block

Purdue University

Field Prep./Maintenance:
Field cultivated 5/7/07

Soil Description

Description Name: SEPAC U3
% OM: 2 **Texture:** Silt loam
pH: 6.7 **Soil Name:** Avonburg
CEC: 5.3

Additional Measured Elements

Element	Quantity	Unit
P	11	PPM
K	68	PPM
Mg	160	PPM
Ca	750	PPM

Moisture and Weather Conditions

Closest Weather Station: On research farm **Distance:** 0.5 **Unit:** MI

Application Description

	A	B	C	D	E
Application Date:	May/15/2007	Jun/04/2007	Jun/13/2007	Jun/20/2007	Jun/29/2007
Time of Day:			8:40 AM	10:30 AM	8:25 AM
Application Method:	Spary	Spray	Spray	Spray	Spray
Application Timing:	A: PREPRE	B: 21 DAP	C: 28 DAP	D: 32 DAP	E: 42 DAP
Application Placement:	BROSOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	VMD & MK	VMD & MK	VMD & MK	VMD & VM	VMD
Air Temperature, Unit:	82 F	72 F	71 F	78 F	76 F
% Relative Humidity:	73	81	82	70	100
Wind Velocity, Unit:	6 MPH	3 MPH	3 MPH	0 MPH	0 MPH
Wind Direction:	SE	W	NE		
Dew Presence (Y/N):	N	N	N	N	Y
Water Hardness:	Hard	Hard	Hard	Hard	Hard
Soil Temperature, Unit:	69 F	69 F	70 F	70 F	74 F
Soil Moisture:	Moist	Dry	Dry	Dry	Wet
% Cloud Cover:	0	30	0	0	100

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code, BBCH Scale:	GLXMA BSOY				
Stage Scale Used:	BBCH	BBCH	BBCH	BBCH	BBCH
Stage Majority, Percent:	N/A	V1	V3	V4	R1
Height, Unit:		3 IN	5 IN	9 IN	12 IN
Height Minimum, Maximum:		3 4	4 6	8 10	10 14
Crop 2 Code, BBCH Scale:	GLXMA BSOY				
Stage Scale Used:	BBCH	BBCH	BBCH	BBCH	BBCH
Stage Majority, Percent:	N/A	V1	V3	V4	R1
Height, Unit:		3 IN	5 IN	9 IN	12 IN
Height Minimum, Maximum:		3 4	4 6	8 10	10 14

Purdue University

Pest Stage At Each Application

	A	B	C	D	E
Pest 1 Code, Disc., Scale:	CHEAL W				
Stage Majority, Percent:	N/A	9 lf			
Stage Minimum, Percent:		8 lf			
Stage Maximum, Percent:		10 lf			
Height, Unit:		1.5 IN	2 IN	4 IN	2 IN
Height Minimum, Maximum:		0 3	1 4	0.5 8	0 3
Density, Unit:		20 YD2	20 YD2	20 YD2	2 YD2
Pest 2 Code, Disc., Scale:	IPOHE W				
Stage Majority, Percent:	N/A	3 node	Vining		
Stage Minimum, Percent:		1 node			
Stage Maximum, Percent:		5 node			
Height, Unit:		2 IN	2 IN	19 IN	2 IN
Height Minimum, Maximum:		0 4	0 4	3 36	0 4
Density, Unit:		7 YD2	7 YD2	7 YD2	2 YD2
Pest 3 Code, Disc., Scale:	SIDSP W				
Stage Majority, Percent:	N/A	2 node			
Stage Minimum, Percent:		1 node			
Stage Maximum, Percent:		3 node			
Height, Unit:		1 IN	2 IN	3 IN	2 IN
Height Minimum, Maximum:		0 2	0 3	0.5 6	1 4
Density, Unit:		15 YD2	13 YD2	15 YD2	7 YD2
Pest 4 Code, Disc., Scale:	SETFA W				
Stage Majority, Percent:	N/A	1 lf			
Stage Minimum, Percent:		1 lf			
Stage Maximum, Percent:		2 lf			
Height, Unit:		2 IN			
Height Minimum, Maximum:		0 4			
Density, Unit:		3 YD2			
Pest 5 Code, Disc., Scale:	DIGSA W				
Stage Majority, Percent:	N/A				
Height, Unit:		3 IN			
Height Minimum, Maximum:		3 5			
Density, Unit:		3 YD2			
Pest 6 Code, Disc., Scale:	SOLPT W				
Stage Majority, Percent:	N/A				
Height, Unit:			0.5 IN	2 IN	
Height Minimum, Maximum:			0 1	1 4	
Density, Unit:			1 YD2	1 YD2	0 YD2
Pest 7 Code, Disc., Scale:	DATST W				
Stage Majority, Percent:	N/A				
Height, Unit:			0.5 IN	3.5 IN	
Height Minimum, Maximum:			0 1	0.5 5	
Density, Unit:			1 YD2	1 YD2	0 YD2

Purdue University

Application Equipment

	A	B	C	D
Appl. Equipment:	Back Pack	Back Pack	Back Pack	Back Pack
Operating Pressure, Unit:	15 PSI	15 PSI	15 PSI	15 PSI
Nozzle Type:	XR	XR	XR	XR
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	15 IN	15 IN	15 IN	15 IN
Nozzles/Row:	6	6	6	6
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Boom Height, Unit:	15 IN	15 IN	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH
Incorporation Equip.:	None	None	None	None
Hours to Incorp.:	0	0	0	0
Incorp. Depth, Unit:	0 IN	0 IN	0 IN	0 IN
Carrier:	TPAC H2O	TPAC H2O	TPAC H2O	TPAC H2O
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	1.8 Liters	1.8 Liters	1.8 Liters	1.8 Liters
Propellant:	CO2	CO2	CO2	CO2

	E
Appl. Equipment:	Back Pack
Operating Pressure, Unit:	15 PSI
Nozzle Type:	XR
Nozzle Size:	11002
Nozzle Spacing, Unit:	15 IN
Nozzles/Row:	6
Boom Length, Unit:	7.5 FT
Boom Height, Unit:	15 IN
Ground Speed, Unit:	3 MPH
Incorporation Equip.:	None
Hours to Incorp.:	0
Incorp. Depth, Unit:	0 IN
Carrier:	TPAC H2O
Spray Volume, Unit:	15 GAL/AC
Mix Size, Unit:	1.8 Liters
Propellant:	CO2

Trial Comments

Trail was crop destructed by mowing and discing on July 10, 2007. VMD

Purdue University

Glufosinate demonstrations in soybeans.

Trial ID: 07S-SEP-CTS-60
 Location: SEPAC

Protocol ID: 07S-SEP-CTS-60
 Study Director: Vince Davis/ Kevin Westerfeld
 Investigator: Dr. William G. Johnson

		W Weed CHEAL	W Weed IPOHE	W Weed SIDSP		W Weed CHEAL	W Weed IPOHE							
		Common lamb>	lvyleaf mor>	Prickly sida		Common lamb>	lvyleaf mor>							
Pest Type		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA							
Pest Code		BSOY	BSOY	BSOY	BSOY	BSOY	BSOY							
Pest Name		Soybean	Soybean	Soybean	Soybean	Soybean	Soybean							
Crop Code		SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL							
BBCH Scale		LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho							
Crop Name		PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P							
Crop Variety		Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/13/2007	Jun/13/2007	Jun/13/2007							
Description		PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO							
Part Rated		%	%	%	%	%	%							
Rating Date		V1	V1	V1	V3	V3	V3							
Rating Data Type		3-4"	3-4"	3-4"	4-6"	4-6"	4-6"							
Rating Unit			0-3"	0-4"	0-2"	1-4"	0-4"							
Crop Stage		VMD & MK	VMD & MK	VMD & MK	AW & GK	AW & GK	AW & GK							
Crop Stage Scale		20 0	20 0	20 0	29 0	29 0	29 0							
Pest Stage														
Assessed By														
Days After First/Last Applic.														
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6	7
1	Untreated Check 30" row spacing							101 303 502 706	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE 21 DAP 21 DAP	A B B	102 305 603 806	0.0 10.0 4.0 7.0	95.0 100.0 100.0 100.0	73.0 70.0 60.0 65.0	85.0 90.0 65.0 93.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 98.0	95.0 100.0 98.0 100.0
	Mean =							5.3	98.8	67.0	83.3	0.0	99.5	98.3
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE 32 DAP 32 DAP	A D D	103 301 602 702	0.0 5.0 5.0 10.0	100.0 100.0 100.0 100.0	85.0 85.0 70.0 67.0	85.0 95.0 90.0 55.0	0.0 0.0 0.0 0.0	95.0 100.0 100.0 100.0	95.0 80.0 80.0 75.0
	Mean =							5.0	100.0	76.8	81.3	0.0	98.8	82.5
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a 8.5 lb/100 gal		PREPRE 21 DAP 21 DAP	A B B	104 403 604 803	0.0 5.0 4.0 5.0	100.0 100.0 100.0 100.0	97.0 97.0 98.0 97.0	94.0 100.0 96.0 97.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	100.0 98.0 100.0 100.0
	Mean =							3.5	100.0	97.3	96.8	0.0	100.0	99.5
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE 32 DAP 32 DAP	A D D	105 302 601 802	0.0 10.0 5.0 10.0	100.0 100.0 100.0 100.0	94.0 99.0 97.0 97.0	99.0 99.0 98.0 100.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	90.0 95.0 100.0 98.0
	Mean =							6.3	100.0	96.8	99.0	0.0	100.0	95.8
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP 21 DAP 42 DAP 42 DAP	B B E E	106 405 501 801	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	90.0 100.0 100.0 100.0	95.0 98.0 98.0 90.0
	Mean =							0.0	0.0	0.0	0.0	0.0	97.5	95.3
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP 21 DAP 42 DAP 42 DAP	B B E E	201 306 605 804	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	98.0 95.0 98.0 98.0
	Mean =							0.0	0.0	0.0	0.0	0.0	100.0	97.3

Purdue University

								W Weed	W Weed	W Weed		W Weed	W Weed	
								CHEAL	IPHOE	SIDSP		CHEAL	IPHOE	
								Common lamb>	Ivyleaf mor>	Prickly sida		Common lamb>	Ivyleaf mor>	
Pest Type		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		GLXMA	GLXMA	GLXMA		GLXMA	GLXMA	
Pest Code		BSOY	BSOY	BSOY	BSOY	BSOY		BSOY	BSOY	BSOY		BSOY	BSOY	
Pest Name		Soybean	Soybean	Soybean	Soybean	Soybean		Soybean	Soybean	Soybean		Soybean	Soybean	
Crop Code		SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL		SG2579LL	SG2579LL	SG2579LL		SG2579LL	SG2579LL	
BBCH Scale		LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho		LL, Gaucho	LL, Gaucho	LL, Gaucho		LL, Gaucho	LL, Gaucho	
Crop Name		PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P		PLAQUA C	PLAQUA P	PLAQUA P		PLAQUA P	PLAQUA P	
Crop Variety		Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/04/2007		Jun/13/2007	Jun/13/2007	Jun/13/2007		Jun/13/2007	Jun/13/2007	
Description		PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN		CONTRO	CONTRO	CONTRO		CONTRO	CONTRO	
Part Rated		%	%	%	%	%		%	%	%		%	%	
Rating Date		V1	V1	V1	V1	V3		V3	V3	V3		V3	V3	
Rating Data Type		3-4"	3-4"	3-4"	3-4"	4-6"		4-6"	4-6"	4-6"		4-6"	4-6"	
Rating Unit		0-3"	0-4"	0-4"	0-2"	1-4"		1-4"	0-4"	0-4"		0-4"	0-4"	
Crop Stage		VMD & MK	VMD & MK	VMD & MK	VMD & MK	AW & GK		AW & GK	AW & GK	AW & GK		AW & GK	AW & GK	
Crop Stage Scale		20 0	20 0	20 0	20 0	29 0		29 0	29 0	29 0		29 0	29 0	
Pest Stage														
Assessed By														
Days After First/Last Applic.														
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6	7
8	SP102000017385	0.402 lb ai/a	22 fl oz/a		28 DAP	C	202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		56 DAP	F	505	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	703	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	SP102000017385	0.53 lb ai/a	29 fl oz/a		28 DAP	C	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	406	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		56 DAP	F	503	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	705	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	SP102000017385	0.79 lb ai/a	43 fl oz/a		32 DAP	D	204	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	401	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SP102000017385	0.79 lb ai/a	43 fl oz/a		64 DAP	G	506	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	805	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Liberty	0.78 lb ai/a	60 fl oz/a		32 DAP	D	205	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Liberty	0.78 lb ai/a	60 fl oz/a		64 DAP	G	504	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Untreated Check						206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						404	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							606	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							701	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Untreated Check						107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						412	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							610	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							808	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	108	0.0	97.0	37.0	65.0	0.0	100.0	95.0
	SP102000017385	0.402 lb ai/a	22 oz/a		21 DAP	B	408	4.0	100.0	70.0	93.0	0.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	612	4.0	100.0	67.0	83.0	0.0	100.0	98.0
	Drilled						812	7.0	100.0	80.0	94.0	0.0	100.0	98.0
	Mean =							3.8	99.3	63.5	83.8	0.0	100.0	97.8
15	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	109	0.0	97.0	37.0	73.0	0.0	95.0	90.0
	SP102000017385	0.402 lb ai/a	22 oz/a		32 DAP	D	410	5.0	100.0	70.0	94.0	0.0	100.0	65.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	510	10.0	100.0	75.0	95.0	0.0	100.0	60.0
	Drilled						807	7.0	100.0	77.0	90.0	0.0	100.0	90.0
	Mean =							5.5	99.3	64.8	88.0	0.0	98.8	76.3

Purdue University

								W Weed	W Weed	W Weed		W Weed	W Weed	W Weed	
								SIDSP	SOLPT	DATST		CHEAL	IPHOE	SIDSP	
								Prickly sida	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	
Pest Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Pest Code								BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Pest Name								Soybean	Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Code								SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL		
BBCH Scale								LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho		
Crop Name								PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P		
Crop Variety								Jun/13/2007	Jun/13/2007	Jun/13/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007		
Description								CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO		
Part Rated								%	%	%	%	%	%		
Rating Date								V3	V3	V3	V3-4	V3-4	V3-4		
Rating Data Type								4-6"	4-6"	4-6"	4-8"	4-8"	4-8"		
Rating Unit								0-3"	0-1"	0-1"	0-8"	0-32"	0-6"		
Crop Stage								AW & GK	AW & GK	AW & GK	GK & KW	GK & KW	GK & KW		
Crop Stage Scale								29 0	29 0	29 0	36 0	36 0	36 0		
Pest Stage															
Assessed By															
Days After First/Last Applic.															
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	8	9	10	11	12	13	14
1	Untreated Check							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing							303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								502	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								706	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =								0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		102	100.0	100.0	100.0	0.0	100.0	95.0	98.0
	SP102000017385	0.402	lb ai/a	22	oz/a	21 DAP B		305	99.0	100.0	100.0	0.0	100.0	95.0	98.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		603	100.0	100.0	100.0	0.0	100.0	90.0	95.0
	30" row spacing							806	100.0	100.0	100.0	0.0	100.0	85.0	95.0
	Mean =								99.8	100.0	100.0	0.0	100.0	91.3	96.5
3	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		103	92.0	100.0	100.0	0.0	95.0	93.0	90.0
	SP102000017385	0.402	lb ai/a	22	oz/a	32 DAP D		301	95.0	100.0	40.0	0.0	100.0	10.0	60.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		602	98.0	100.0	60.0	0.0	100.0	60.0	60.0
	30" row spacing							702	95.0	97.0	80.0	0.0	100.0	60.0	90.0
	Mean =								95.0	99.3	70.0	0.0	98.8	55.8	75.0
4	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		104	100.0	100.0	100.0	0.0	100.0	100.0	100.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		403	100.0	100.0	100.0	0.0	100.0	97.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		604	100.0	100.0	100.0	0.0	100.0	100.0	99.0
	30" row spacing							803	100.0	100.0	100.0	0.0	100.0	100.0	100.0
	Mean =								100.0	100.0	100.0	0.0	100.0	99.3	99.8
5	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		105	98.0	100.0	100.0	0.0	98.0	95.0	95.0
	Liberty	0.418	lb ai/a	32	oz/a	32 DAP D		302	100.0	100.0	100.0	0.0	100.0	95.0	98.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		601	98.0	100.0	100.0	0.0	100.0	95.0	98.0
	30" row spacing							802	100.0	100.0	100.0	0.0	100.0	95.0	100.0
	Mean =								99.0	100.0	100.0	0.0	99.5	95.0	97.8
6	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		106	98.0	100.0	100.0	0.0	50.0	90.0	90.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		405	100.0	100.0	100.0	0.0	100.0	95.0	98.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	42 DAP E		501	100.0	100.0	100.0	0.0	100.0	88.0	85.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		801	90.0	100.0	100.0	0.0	100.0	80.0	75.0
	30" row spacing														
	Mean =								97.0	100.0	100.0	0.0	87.5	88.3	87.0
7	SP102000017385	0.53	lb ai/a	29	fl oz/a	21 DAP B		201	99.0	100.0	100.0	0.0	98.0	95.0	93.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		306	98.0	100.0	100.0	0.0	98.0	90.0	90.0
	SP102000017385	0.53	lb ai/a	29	fl oz/a	42 DAP E		605	98.0	100.0	100.0	0.0	100.0	95.0	90.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		804	98.0	100.0	100.0	0.0	100.0	90.0	95.0
	30" row spacing														
	Mean =								98.3	100.0	100.0	0.0	99.0	92.5	92.0
8	SP102000017385	0.402	lb ai/a	22	fl oz/a	28 DAP C		202	0.0	0.0	0.0	0.0	100.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP C		304	0.0	0.0	0.0	0.0	100.0	99.0	98.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	56 DAP F		505	0.0	0.0	0.0	0.0	98.0	99.0	99.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP F		703	0.0	0.0	0.0	0.0	100.0	100.0	95.0
	30" row spacing														
	Mean =								0.0	0.0	0.0	0.0	99.5	99.3	98.0

Purdue University

Pest Type	W Weed	W Weed	W Weed		W Weed	W Weed	W Weed							
Pest Code	SIDSP	SOLPT	DATST		CHEAL	IPHOE	SIDSP							
Pest Name	Prickly sida	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida							
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA							
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY							
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean							
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL							
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho							
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P							
Rating Date	Jun/13/2007	Jun/13/2007	Jun/13/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007							
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%	%	%							
Crop Stage	V3	V3	V3	V3-4	V3-4	V3-4	V3-4							
Crop Stage Scale	4-6"	4-6"	4-6"	4-8"	4-8"	4-8"	4-8"							
Pest Stage	0-3"	0-1"	0-1"		0-8"	0-32"	0-6"							
Assessed By	AW & GK	AW & GK	AW & GK	GK & KW	GK & KW	GK & KW	GK & KW							
Days After First/Last Applic.	29 0	29 0	29 0	36 0	36 0	36 0	36 0							
Trt No.	Treatment Name	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	Plot	8	9	10	11	12	13	14
9	SP102000017385	0.53 lb ai/a	29 fl oz/a		28 DAP	C	203	0.0	0.0	0.0	0.0	100.0	100.0	99.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	406	0.0	0.0	0.0	0.0	100.0	100.0	100.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		56 DAP	F	503	0.0	0.0	0.0	0.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	705	0.0	0.0	0.0	0.0	100.0	100.0	90.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	100.0	100.0	97.3
10	SP102000017385	0.79 lb ai/a	43 fl oz/a		32 DAP	D	204	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	401	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SP102000017385	0.79 lb ai/a	43 fl oz/a		64 DAP	G	506	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	805	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Liberty	0.78 lb ai/a	60 fl oz/a		32 DAP	D	205	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Liberty	0.78 lb ai/a	60 fl oz/a		64 DAP	G	504	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Untreated Check						206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						404	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							606	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							701	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Untreated Check						107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						412	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							610	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							808	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	108	100.0	100.0	100.0	0.0	99.0	90.0	95.0
	SP102000017385	0.402 lb ai/a	22 oz/a		21 DAP	B	408	100.0	100.0	100.0	0.0	100.0	98.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	612	100.0	100.0	100.0	0.0	100.0	95.0	95.0
	Drilled						812	100.0	100.0	100.0	0.0	100.0	90.0	95.0
	Mean =							100.0	100.0	100.0	0.0	99.8	93.3	96.3
15	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	109	98.0	100.0	100.0	0.0	80.0	10.0	60.0
	SP102000017385	0.402 lb ai/a	22 oz/a		32 DAP	D	410	98.0	90.0	100.0	0.0	100.0	25.0	75.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	510	98.0	100.0	100.0	0.0	100.0	15.0	90.0
	Drilled						807	98.0	100.0	98.0	0.0	100.0	20.0	85.0
	Mean =							98.0	97.5	99.5	0.0	95.0	17.5	77.5
16	Authority First	0.175 lb ai/a	4 oz/a		PREPRE	A	110	100.0	100.0	100.0	0.0	100.0	100.0	100.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		21 DAP	B	311	100.0	100.0	100.0	0.0	100.0	95.0	98.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	611	100.0	100.0	100.0	0.0	100.0	100.0	100.0
	Drilled						810	100.0	100.0	100.0	0.0	100.0	60.0	100.0
	Mean =							100.0	100.0	100.0	0.0	100.0	88.8	99.5

Purdue University

								W Weed	W Weed		W Weed	W Weed	W Weed	W Weed	
								SOLPT	DATST		CHEAL	IPOHE	SIDSP	SOLPT	
								Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>	
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	Description	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Part Rated	Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Days After First/Last Applic.								Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
								SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	
								LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	
								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
								Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	
								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	
								%	%	%	%	%	%	%	
								V3-4	V3-4	R1	R1	R1	R1	R1	
								4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"	
								1-4"	0-5"		0-18"	0-36"	1-12"	2-14"	
								GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	
								36 0	36 0	45 0	45 0	45 0	45 0	45 0	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21
1	Untreated Check							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing							303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								502	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								706	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =								0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		102	100.0	100.0	0.0	99.0	82.0	92.0	100.0
	SP102000017385	0.402	lb ai/a	22	oz/a	21 DAP B		305	100.0	100.0	0.0	100.0	95.0	98.0	98.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		603	100.0	98.0	0.0	100.0	80.0	85.0	97.0
	30" row spacing							806	100.0	100.0	0.0	100.0	88.0	99.0	100.0
	Mean =								100.0	99.5	0.0	99.8	86.3	93.5	98.8
3	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		103	98.0	100.0	0.0	100.0	94.0	100.0	100.0
	SP102000017385	0.402	lb ai/a	22	oz/a	32 DAP D		301	100.0	30.0	0.0	100.0	97.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		602	100.0	50.0	0.0	100.0	93.0	100.0	100.0
	30" row spacing							702	95.0	70.0	0.0	100.0	90.0	99.0	100.0
	Mean =								98.3	62.5	0.0	100.0	93.5	99.8	100.0
4	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		104	100.0	100.0	0.0	100.0	100.0	98.0	99.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		403	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		604	100.0	98.0	0.0	100.0	98.0	100.0	100.0
	30" row spacing							803	100.0	100.0	0.0	100.0	99.0	99.0	100.0
	Mean =								100.0	99.5	0.0	100.0	99.0	99.3	99.8
5	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		105	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Liberty	0.418	lb ai/a	32	oz/a	32 DAP D		302	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		601	100.0	98.0	0.0	100.0	99.0	100.0	100.0
	30" row spacing							802	98.0	100.0	0.0	100.0	99.0	100.0	100.0
	Mean =								99.5	99.5	0.0	100.0	99.0	100.0	100.0
6	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		106	100.0	95.0	0.0	65.0	70.0	77.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		405	100.0	98.0	0.0	100.0	95.0	95.0	100.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	42 DAP E		501	100.0	100.0	0.0	100.0	87.0	92.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		801	95.0	100.0	0.0	100.0	65.0	65.0	87.0
	30" row spacing														
	Mean =								98.8	98.3	0.0	91.3	79.3	82.3	96.8
7	SP102000017385	0.53	lb ai/a	29	fl oz/a	21 DAP B		201	95.0	100.0	0.0	98.0	95.0	95.0	95.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		306	100.0	98.0	0.0	98.0	85.0	90.0	100.0
	SP102000017385	0.53	lb ai/a	29	fl oz/a	42 DAP E		605	100.0	95.0	0.0	100.0	95.0	87.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		804	98.0	100.0	0.0	100.0	90.0	90.0	95.0
	30" row spacing														
	Mean =								98.3	98.3	0.0	99.0	91.3	90.5	97.5
8	SP102000017385	0.402	lb ai/a	22	fl oz/a	28 DAP C		202	100.0	100.0	0.0	99.0	98.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP C		304	98.0	100.0	0.0	100.0	95.0	90.0	90.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	56 DAP F		505	100.0	98.0	0.0	95.0	97.0	98.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP F		703	100.0	100.0	0.0	100.0	90.0	85.0	100.0
	30" row spacing														
	Mean =								99.5	99.5	0.0	98.5	95.0	93.0	97.5

Purdue University

								W Weed	W Weed		W Weed	W Weed	W Weed	W Weed
								SOLPT	DATST		CHEAL	IPOHE	SIDSP	SOLPT
								Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	Description	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Part Rated	Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Days After First/Last Applic.								Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
								SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
								LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
								Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007
								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
								%	%	%	%	%	%	%
								V3-4	V3-4	R1	R1	R1	R1	R1
								4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"
								1-4"	0-5"	0-18"	0-18"	1-12"	2-14"	
								GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD
								36 0	36 0	45 0	45 0	45 0	45 0	45 0
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21
9	SP102000017385	0.53 lb ai/a	29 fl oz/a		28 DAP	C	203	100.0	100.0	0.0	99.0	97.0	95.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	406	100.0	100.0	0.0	100.0	97.0	100.0	100.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		56 DAP	F	503	100.0	100.0	0.0	100.0	97.0	98.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	705	90.0	100.0	0.0	100.0	98.0	99.0	98.0
	30" row spacing													
	Mean =							97.5	100.0	0.0	99.8	97.3	98.0	99.5
10	SP102000017385	0.79 lb ai/a	43 fl oz/a		32 DAP	D	204	0.0	0.0	0.0	100.0	95.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	401	0.0	0.0	0.0	100.0	97.0	100.0	100.0
	SP102000017385	0.79 lb ai/a	43 fl oz/a		64 DAP	G	506	0.0	0.0	0.0	100.0	90.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	805	0.0	0.0	0.0	100.0	90.0	99.0	99.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	100.0	93.0	99.8	99.8
11	Liberty	0.78 lb ai/a	60 fl oz/a		32 DAP	D	205	0.0	0.0	0.0	100.0	96.0	99.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	402	0.0	0.0	0.0	100.0	97.0	100.0	100.0
	Liberty	0.78 lb ai/a	60 fl oz/a		64 DAP	G	504	0.0	0.0	0.0	100.0	97.0	96.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	704	0.0	0.0	0.0	100.0	95.0	100.0	100.0
	30" row spacing													
	Mean =							0.0	0.0	0.0	100.0	96.3	98.8	100.0
12	Untreated Check						206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						404	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							606	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							701	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Untreated Check						107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						412	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							610	0.0	0.0	0.0	0.0	0.0	0.0	0.0
							808	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	108	100.0	100.0	0.0	98.0	80.0	90.0	100.0
	SP102000017385	0.402 lb ai/a	22 oz/a		21 DAP	B	408	100.0	100.0	0.0	100.0	95.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	612	100.0	100.0	0.0	100.0	85.0	97.0	100.0
	Drilled						812	100.0	100.0	0.0	100.0	90.0	95.0	100.0
	Mean =							100.0	100.0	0.0	99.5	87.5	95.5	100.0
15	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	109	100.0	100.0	0.0	100.0	90.0	100.0	100.0
	SP102000017385	0.402 lb ai/a	22 oz/a		32 DAP	D	410	95.0	100.0	0.0	100.0	92.0	100.0	99.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	510	100.0	95.0	0.0	100.0	95.0	100.0	100.0
	Drilled						807	100.0	90.0	0.0	100.0	98.0	100.0	100.0
	Mean =							98.8	96.3	0.0	100.0	93.8	100.0	99.8
16	Authority First	0.175 lb ai/a	4 oz/a		PREPRE	A	110	100.0	100.0	0.0	100.0	100.0	99.0	100.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		21 DAP	B	311	100.0	100.0	0.0	100.0	98.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	611	100.0	100.0	0.0	100.0	100.0	100.0	100.0
	Drilled						810	100.0	100.0	0.0	100.0	99.0	99.0	100.0
	Mean =							100.0	100.0	0.0	100.0	99.3	99.5	100.0

Purdue University

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed								
Pest Code	SOLPT	DATST		CHEAL	IPOHE	SIDSP								
Pest Name	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida								
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA								
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY								
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean								
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL								
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho								
Part Rated	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P								
Rating Date	Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007								
Rating Data Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO								
Rating Unit	%	%	%	%	%	%								
Crop Stage	V3-4	V3-4	R1	R1	R1	R1								
Crop Stage Scale	4-8"	4-8"	10-14"	10-14"	10-14"	10-14"								
Pest Stage	1-4"	0-5"		0-18"	0-36"	1-12"								
Assessed By	GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD								
Days After First/Last Applic.	36 0	36 0	45 0	45 0	45 0	45 0								
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21
17	Authority First	0.175 lb ai/a	4 oz/a		PREPRE	A	111	90.0	90.0	0.0	100.0	100.0	100.0	100.0
	Liberty	0.418 lb ai/a	32 oz/a		32 DAP	D	409	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	608	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Drilled						711	100.0	100.0	0.0	100.0	99.0	100.0	100.0
	Mean =							97.5	97.5	0.0	100.0	99.3	100.0	100.0
18	SP102000017385	0.402 lb ai/a	22 fl oz/a		21 DAP	B	112	98.0	95.0	0.0	90.0	85.0	85.0	80.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	307	100.0	98.0	0.0	100.0	87.0	95.0	100.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		42 DAP	E	508	100.0	100.0	0.0	92.0	100.0	100.0	80.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		42 DAP	E	811	98.0	100.0	0.0	100.0	80.0	80.0	95.0
	Drilled													
	Mean =							99.0	98.3	0.0	95.5	88.0	90.0	88.8
19	SP102000017385	0.53 lb ai/a	29 fl oz/a		21 DAP	B	207	100.0	100.0	0.0	100.0	80.0	95.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	312	100.0	100.0	0.0	95.0	90.0	90.0	100.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		42 DAP	E	607	100.0	100.0	0.0	100.0	95.0	94.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		42 DAP	E	707	100.0	100.0	0.0	100.0	90.0	80.0	93.0
	Drilled													
	Mean =							100.0	100.0	0.0	98.8	88.8	89.8	98.3
20	SP102000017385	0.402 lb ai/a	22 fl oz/a		28 DAP	C	208	100.0	100.0	0.0	98.0	98.0	98.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	407	100.0	100.0	0.0	100.0	97.0	100.0	100.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		56 DAP	F	507	100.0	100.0	0.0	95.0	98.0	90.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	710	100.0	100.0	0.0	100.0	96.0	90.0	98.0
	Drilled													
	Mean =							100.0	100.0	0.0	98.3	97.3	94.5	99.5
21	SP102000017385	0.53 lb ai/a	29 fl oz/a		28 DAP	C	209	100.0	100.0	0.0	100.0	98.0	99.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	309	100.0	100.0	0.0	100.0	98.0	95.0	100.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		56 DAP	F	512	100.0	100.0	0.0	100.0	95.0	92.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	712	100.0	100.0	0.0	100.0	99.0	99.0	100.0
	Drilled													
	Mean =							100.0	100.0	0.0	100.0	97.5	96.3	100.0
22	SP102000017385	0.79 lb ai/a	43 fl oz/a		32 DAP	D	210	0.0	0.0	0.0	100.0	98.0	99.0	98.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	308	0.0	0.0	0.0	100.0	96.0	100.0	100.0
	SP102000017385	0.79 lb ai/a	43 fl oz/a		64 DAP	G	511	0.0	0.0	0.0	100.0	95.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	709	0.0	0.0	0.0	100.0	97.0	99.0	100.0
	Drilled													
	Mean =							0.0	0.0	0.0	100.0	96.5	99.5	99.5
23	Liberty	0.78 lb ai/a	60 fl oz/a		32 DAP	D	211	0.0	0.0	0.0	100.0	98.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	411	0.0	0.0	0.0	100.0	97.0	90.0	95.0
	Liberty	0.78 lb ai/a	60 fl oz/a		64 DAP	G	509	0.0	0.0	0.0	100.0	97.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	809	0.0	0.0	0.0	100.0	97.0	99.0	100.0
	Drilled													
	Mean =							0.0	0.0	0.0	100.0	97.3	97.3	98.8

Purdue University

Pest Type	W Weed	W Weed		W Weed	W Weed	W Weed	W Weed
Pest Code	SOLPT	DATST		CHEAL	IPHOE	SIDSP	SOLPT
Pest Name	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
Part Rated	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007
Rating Data Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	V3-4	V3-4	R1	R1	R1	R1	R1
Crop Stage Scale	4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"
Pest Stage	1-4"	0-5"		0-18"	0-36"	1-12"	2-14"
Assessed By	GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD
Days After First/Last Applic.	36 0	36 0	45 0	45 0	45 0	45 0	45 0
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	Plot
		Rate	Unit	Rate	Unit		
24	Untreated Check						15
	Drilled						16
							17
							18
							19
							20
							21
		0.0		0.0		0.0	0.0
		0.0		0.0		0.0	0.0
		0.0		0.0		0.0	0.0
		0.0		0.0		0.0	0.0
	Mean =	0.0		0.0		0.0	0.0

Purdue University

								W Weed		W Weed	W Weed	W Weed	W Weed	
								DATST		CHEAL	IPHOE	SIDSP	SOLPT	
								Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>	
Pest Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Pest Code								BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Pest Name								Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Code								SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL		
BBCH Scale								LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho		
Crop Name								PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P		
Crop Variety								Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007		
Description								CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO		
Part Rated								%	%	%	%	%		
Rating Date								R1	R2	R2	R2	R2		
Rating Data Type								10-14"	16-20"	16-20"	16-20"	16-20"		
Rating Unit								4-18"		6-34"	36-60"	12-18"		
Crop Stage								VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD		
Crop Stage Scale								45 0	56 11	56 11	56 11	56 11		
Pest Stage														
Assessed By														
Days After First/Last Applic.														
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Plot	22	23	24	25	26	27
1	Untreated Check							101	0.0	0.0	0.0	0.0	0.0	0.0
	30" row spacing							303	0.0	0.0	0.0	0.0	0.0	0.0
								502	0.0	0.0	0.0	0.0	0.0	0.0
								706	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =								0.0	0.0	0.0	0.0	0.0	0.0
2	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		102	100.0	0.0	99.0	95.0	96.0	100.0
	SP102000017385	0.402	lb ai/a	22	oz/a	21 DAP B		305	90.0	0.0	100.0	90.0	93.0	98.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		603	90.0	0.0	100.0	85.0	95.0	98.0
	30" row spacing							806	95.0	0.0	100.0	85.0	98.0	100.0
	Mean =								93.8	0.0	99.8	88.8	95.5	99.0
3	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE A		103	100.0	0.0	100.0	98.0	99.0	100.0
	SP102000017385	0.402	lb ai/a	22	oz/a	32 DAP D		301	100.0	0.0	100.0	95.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		602	97.0	0.0	100.0	95.0	98.0	100.0
	30" row spacing							702	95.0	0.0	100.0	93.0	98.0	98.0
	Mean =								98.0	0.0	100.0	95.3	98.5	99.5
4	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		104	100.0	0.0	100.0	100.0	99.0	98.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		403	100.0	0.0	100.0	95.0	100.0	.
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		604	90.0	0.0	100.0	98.0	99.0	100.0
	30" row spacing							803	100.0	0.0	100.0	99.0	99.0	100.0
	Mean =								97.5	0.0	100.0	98.0	99.3	99.3
5	Authority First	0.175	lb ai/a	4	oz/a	PREPRE A		105	100.0	0.0	100.0	100.0	100.0	100.0
	Liberty	0.418	lb ai/a	32	oz/a	32 DAP D		302	100.0	0.0	100.0	99.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D		601	100.0	0.0	100.0	100.0	100.0	100.0
	30" row spacing							802	100.0	0.0	100.0	100.0	100.0	100.0
	Mean =								100.0	0.0	100.0	99.8	100.0	100.0
6	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP B		106	100.0	0.0	100.0	98.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		405	90.0	0.0	100.0	98.0	99.0	100.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	42 DAP E		501	100.0	0.0	100.0	99.0	98.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		801	90.0	0.0	100.0	99.0	99.0	100.0
	30" row spacing													
	Mean =								95.0	0.0	100.0	98.5	99.0	100.0
7	SP102000017385	0.53	lb ai/a	29	fl oz/a	21 DAP B		201	100.0	0.0	100.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP B		306	95.0	0.0	100.0	99.0	100.0	100.0
	SP102000017385	0.53	lb ai/a	29	fl oz/a	42 DAP E		605	87.0	0.0	100.0	99.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP E		804	100.0	0.0	100.0	100.0	100.0	100.0
	30" row spacing													
	Mean =								95.5	0.0	100.0	99.5	99.8	100.0
8	SP102000017385	0.402	lb ai/a	22	fl oz/a	28 DAP C		202	100.0	0.0	100.0	96.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP C		304	100.0	0.0	100.0	97.0	90.0	90.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	56 DAP F		505	95.0	0.0	85.0	93.0	97.0	99.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP F		703	100.0	0.0	100.0	95.0	80.0	99.0
	30" row spacing													
	Mean =								98.8	0.0	96.3	95.3	91.5	97.0

Purdue University

								W Weed		W Weed	W Weed	W Weed	W Weed
								DATST		CHEAL	IPHOE	SIDSP	SOLPT
								Jimsonweed		Common lamb	Ivyleaf mor	Prickly sida	Eastern bla
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	Description	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	LL, Gaucho	LL, Gaucho				
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	%	%	%	%	%	%
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	R1	R2	R2	R2	R2	R2
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	10-14"	16-20"	16-20"	16-20"	16-20"	16-20"
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	4-18"	6-34"	6-34"	6-34"	12-18"	12-18"
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Assessed By	Days After First/Last Applic.	45 0	56 11	56 11	56 11	56 11	56 11
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	22	23	24	25	26	27
9	SP102000017385	0.53 lb ai/a	29 fl oz/a		28 DAP	C	203	100.0	0.0	100.0	95.0	96.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		28 DAP	C	406	100.0	0.0	99.0	88.0	98.0	100.0
	SP102000017385	0.53 lb ai/a	29 fl oz/a		56 DAP	F	503	98.0	0.0	100.0	95.0	98.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		56 DAP	F	705	90.0	0.0	100.0	95.0	95.0	100.0
	30" row spacing												
	Mean =							97.0	0.0	99.8	93.3	96.8	100.0
10	SP102000017385	0.79 lb ai/a	43 fl oz/a		32 DAP	D	204	100.0	0.0	100.0	92.0	96.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	401	100.0	0.0	100.0	90.0	98.0	95.0
	SP102000017385	0.79 lb ai/a	43 fl oz/a		64 DAP	G	506	98.0	0.0	100.0	90.0	97.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	805	100.0	0.0	99.0	88.0	98.0	98.0
	30" row spacing												
	Mean =							99.5	0.0	99.8	90.0	97.3	98.3
11	Liberty	0.78 lb ai/a	60 fl oz/a		32 DAP	D	205	100.0	0.0	100.0	93.0	96.0	98.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	402	100.0	0.0	100.0	95.0	99.0	97.0
	Liberty	0.78 lb ai/a	60 fl oz/a		64 DAP	G	504	100.0	0.0	100.0	90.0	98.0	99.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		64 DAP	G	704	98.0	0.0	100.0	93.0	100.0	100.0
	30" row spacing												
	Mean =							99.5	0.0	100.0	92.8	98.3	98.5
12	Untreated Check						206	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						404	0.0	0.0	0.0	0.0	0.0	0.0
							606	0.0	0.0	0.0	0.0	0.0	0.0
							701	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0
13	Untreated Check						107	0.0	0.0	0.0	0.0	0.0	0.0
	Drilled						412	0.0	0.0	0.0	0.0	0.0	0.0
							610	0.0	0.0	0.0	0.0	0.0	0.0
							808	0.0	0.0	0.0	0.0	0.0	0.0
	Mean =							0.0	0.0	0.0	0.0	0.0	0.0
14	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	108	100.0	0.0	90.0	92.0	93.0	100.0
	SP102000017385	0.402 lb ai/a	22 oz/a		21 DAP	B	408	100.0	0.0	100.0	95.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	612	100.0	0.0	100.0	80.0	97.0	100.0
	Drilled						812	100.0	0.0	100.0	90.0	97.0	100.0
	Mean =							100.0	0.0	97.5	89.3	96.8	100.0
15	Prowl H2O	1.42 lb ai/a	3 pt/a		PREPRE	A	109	100.0	0.0	100.0	92.0	100.0	100.0
	SP102000017385	0.402 lb ai/a	22 oz/a		32 DAP	D	410	100.0	0.0	100.0	95.0	100.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		32 DAP	D	510	100.0	0.0	99.0	98.0	100.0	100.0
	Drilled						807	100.0	0.0	100.0	98.0	100.0	100.0
	Mean =							100.0	0.0	99.8	95.8	100.0	100.0
16	Authority First	0.175 lb ai/a	4 oz/a		PREPRE	A	110	100.0	0.0	100.0	100.0	100.0	100.0
	SP102000017385	0.402 lb ai/a	22 fl oz/a		21 DAP	B	311	100.0	0.0	100.0	98.0	99.0	100.0
	Ammonium Sulfate	8.5 lb/100 gal	8.5 lb/100 gal		21 DAP	B	611	100.0	0.0	100.0	100.0	100.0	100.0
	Drilled						810	100.0	0.0	100.0	99.0	100.0	100.0
	Mean =							100.0	0.0	100.0	99.3	99.8	100.0

Purdue University

								W Weed		W Weed	W Weed	W Weed	W Weed
								DATST		CHEAL	IPOHE	SIDSP	SOLPT
								Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>
Pest Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Pest Code								BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Pest Name								Soybean	Soybean	Soybean	Soybean	Soybean	
Crop Code								SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	
BBCH Scale								LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	
Crop Name								PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	
Crop Variety								Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	
Description								CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
Part Rated								%	%	%	%	%	
Rating Date								R1	R2	R2	R2	R2	
Rating Data Type								10-14"	16-20"	16-20"	16-20"	16-20"	
Rating Unit								4-18"	6-34"	36-60"	12-18"	12-18"	
Crop Stage								VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	
Crop Stage Scale								45 0	56 11	56 11	56 11	56 11	
Pest Stage													
Assessed By													
Days After First/Last Applic.													
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code Plot	22	23	24	25	26	27
17	Authority First	0.175	lb ai/a	4	oz/a	PREPRE	A 111	100.0	0.0	100.0	100.0	100.0	100.0
	Liberty	0.418	lb ai/a	32	oz/a	32 DAP	D 409	100.0	0.0	100.0	93.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D 608	100.0	0.0	100.0	99.0	99.0	100.0
	Drilled						711	100.0	0.0	100.0	99.0	100.0	100.0
	Mean =							100.0	0.0	100.0	97.8	99.8	100.0
18	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP	B 112	90.0	0.0	100.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP	B 307	100.0	0.0	100.0	90.0	100.0	100.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	42 DAP	E 508	100.0	0.0	100.0	98.0	99.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP	E 811	100.0	0.0	100.0	100.0	98.0	100.0
	Drilled												
	Mean =							97.5	0.0	100.0	97.0	99.3	100.0
19	SP102000017385	0.53	lb ai/a	29	fl oz/a	21 DAP	B 207	100.0	0.0	100.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP	B 312	100.0	0.0	100.0	98.0	95.0	100.0
	SP102000017385	0.53	lb ai/a	29	fl oz/a	42 DAP	E 607	100.0	0.0	100.0	98.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	42 DAP	E 707	100.0	0.0	100.0	90.0	85.0	90.0
	Drilled												
	Mean =							100.0	0.0	100.0	96.5	95.0	97.5
20	SP102000017385	0.402	lb ai/a	22	fl oz/a	28 DAP	C 208	100.0	0.0	98.0	98.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP	C 407	100.0	0.0	100.0	97.0	99.0	100.0
	SP102000017385	0.402	lb ai/a	22	fl oz/a	56 DAP	F 507	100.0	0.0	100.0	95.0	95.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP	F 710	100.0	0.0	98.0	90.0	85.0	85.0
	Drilled												
	Mean =							100.0	0.0	99.0	95.0	94.8	96.3
21	SP102000017385	0.53	lb ai/a	29	fl oz/a	28 DAP	C 209	100.0	0.0	100.0	99.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP	C 309	100.0	0.0	100.0	97.0	95.0	100.0
	SP102000017385	0.53	lb ai/a	29	fl oz/a	56 DAP	F 512	100.0	0.0	97.0	95.0	98.0	99.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP	F 712	99.0	0.0	99.0	99.0	99.0	100.0
	Drilled												
	Mean =							99.8	0.0	99.0	97.5	98.0	99.8
22	SP102000017385	0.79	lb ai/a	43	fl oz/a	32 DAP	D 210	100.0	0.0	100.0	96.0	97.0	97.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D 308	100.0	0.0	100.0	95.0	99.0	100.0
	SP102000017385	0.79	lb ai/a	43	fl oz/a	64 DAP	G 511	100.0	0.0	98.0	97.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	64 DAP	G 709	100.0	0.0	100.0	97.0	97.0	100.0
	Drilled												
	Mean =							100.0	0.0	99.5	96.3	98.3	99.3
23	Liberty	0.78	lb ai/a	60	fl oz/a	32 DAP	D 211	100.0	0.0	100.0	96.0	100.0	99.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D 411	100.0	0.0	100.0	90.0	95.0	98.0
	Liberty	0.78	lb ai/a	60	fl oz/a	64 DAP	G 509	100.0	0.0	97.0	98.0	98.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	64 DAP	G 809	100.0	0.0	99.0	95.0	98.0	100.0
	Drilled												
	Mean =							100.0	0.0	99.0	94.8	97.8	99.3

Purdue University

Pest Type	W Weed		W Weed	W Weed	W Weed	W Weed							
Pest Code	DATST		CHEAL	IPHE	SIDSP	SOLPT							
Pest Name	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>							
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA							
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY							
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean							
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL							
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho							
Part Rated	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P							
Rating Date	Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007							
Rating Data Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%	%							
Crop Stage	R1	R2	R2	R2	R2	R2							
Crop Stage Scale	10-14"	16-20"	16-20"	16-20"	16-20"	16-20"							
Pest Stage	4-18"		6-34"	36-60"	12-18"	12-18"							
Assessed By	VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD							
Days After First/Last Applic.	45 0	56 11	56 11	56 11	56 11	56 11							
Trt No.	Treatment	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	Plot	22	23	24	25	26	27
24	Untreated Check							212	0.0	0.0	0.0	0.0	0.0
	Drilled							310	0.0	0.0	0.0	0.0	0.0
								609	0.0	0.0	0.0	0.0	0.0
								708	0.0	0.0	0.0	0.0	0.0
	Mean =								0.0	0.0	0.0	0.0	0.0

Purdue University

Pest Type								W Weed	
Pest Code								DATST	
Pest Name								Jimsonweed	
Crop Code								GLXMA	
BBCH Scale								BSOY	
Crop Name								Soybean	
Crop Variety								SG2579LL	
Description								LL, Gaucho	
Part Rated								PLAQUA P	
Rating Date								Jul/10/2007	
Rating Data Type								CONTRO	
Rating Unit								%	
Crop Stage								R2	
Crop Stage Scale								16-20"	
Pest Stage								30-36"	
Assessed By								VMD, MK, JD	
Days After First/Last Applic.								56 11	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	28
1	Untreated Check 30" row spacing							101 303 502 706	0.0 0.0 0.0 0.0
Mean =									0.0
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 0.402 8.5	lb ai/a lb ai/a lb/100 gal	3 22 8.5	pt/a oz/a lb/100 gal	PREPRE 21 DAP 21 DAP	A B B	102 305 603 806	100.0 90.0 90.0 93.0
Mean =									93.3
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 0.402 8.5	lb ai/a lb ai/a lb/100 gal	3 22 8.5	pt/a oz/a lb/100 gal	PREPRE 32 DAP 32 DAP	A D D	103 301 602 702	100.0 100.0 95.0 98.0
Mean =									98.3
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 0.402 8.5	lb ai/a lb ai/a lb/100 gal	4 22 8.5	oz/a fl oz/a lb/100 gal	PREPRE 21 DAP 21 DAP	A B B	104 403 604 803	100.0 100.0 93.0 100.0
Mean =									98.3
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 0.418 8.5	lb ai/a lb ai/a lb/100 gal	4 32 8.5	oz/a oz/a lb/100 gal	PREPRE 32 DAP 32 DAP	A D D	105 302 601 802	100.0 100.0 100.0 100.0
Mean =									100.0
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 8.5 0.402 8.5	lb ai/a lb/100 gal lb ai/a lb/100 gal	22 8.5 22 8.5	fl oz/a lb/100 gal fl oz/a lb/100 gal	21 DAP 21 DAP 42 DAP 42 DAP	B B E E	106 405 501 801	100.0 100.0 100.0 100.0
Mean =									100.0
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 8.5 0.53 8.5	lb ai/a lb/100 gal lb ai/a lb/100 gal	29 8.5 29 8.5	fl oz/a lb/100 gal fl oz/a lb/100 gal	21 DAP 21 DAP 42 DAP 42 DAP	B B E E	201 306 605 804	100.0 95.0 100.0 100.0
Mean =									98.8
8	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 8.5 0.402 8.5	lb ai/a lb/100 gal lb ai/a lb/100 gal	22 8.5 22 8.5	fl oz/a lb/100 gal fl oz/a lb/100 gal	28 DAP 28 DAP 56 DAP 56 DAP	C C F F	202 304 505 703	100.0 100.0 85.0 95.0
Mean =									95.0

Purdue University

Pest Type								W Weed		
Pest Code								DATST		
Pest Name								Jimsonweed		
Crop Code								GLXMA		
BBCH Scale								BSOY		
Crop Name								Soybean		
Crop Variety								SG2579LL		
Description								LL, Gaucho		
Part Rated								PLAQUA P		
Rating Date								Jul/10/2007		
Rating Data Type								CONTRO		
Rating Unit								%		
Crop Stage								R2		
Crop Stage Scale								16-20"		
Pest Stage								30-36"		
Assessed By								VMD, MK, JD		
Days After First/Last Applic.								56 11		
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	28	
9	SP102000017385	0.53	lb ai/a	29	fl oz/a	28 DAP	C	203	99.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	28 DAP	C	406	95.0	
	SP102000017385	0.53	lb ai/a	29	fl oz/a	56 DAP	F	503	90.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	56 DAP	F	705	85.0	
	30" row spacing									
	Mean =								92.3	
10	SP102000017385	0.79	lb ai/a	43	fl oz/a	32 DAP	D	204	100.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D	401	100.0	
	SP102000017385	0.79	lb ai/a	43	fl oz/a	64 DAP	G	506	95.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	64 DAP	G	805	98.0	
	30" row spacing									
	Mean =								98.3	
11	Liberty	0.78	lb ai/a	60	fl oz/a	32 DAP	D	205	100.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D	402	100.0	
	Liberty	0.78	lb ai/a	60	fl oz/a	64 DAP	G	504	95.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	64 DAP	G	704	95.0	
	30" row spacing									
	Mean =								97.5	
12	Untreated Check								206	0.0
	Drilled								404	0.0
									606	0.0
									701	0.0
	Mean =								0.0	
13	Untreated Check								107	0.0
	Drilled								412	0.0
									610	0.0
									808	0.0
	Mean =								0.0	
14	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE	A	108	100.0	
	SP102000017385	0.402	lb ai/a	22	oz/a	21 DAP	B	408	98.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP	B	612	100.0	
	Drilled								812	100.0
	Mean =								99.5	
15	Prowl H2O	1.42	lb ai/a	3	pt/a	PREPRE	A	109	100.0	
	SP102000017385	0.402	lb ai/a	22	oz/a	32 DAP	D	410	100.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP	D	510	100.0	
	Drilled								807	100.0
	Mean =								100.0	
16	Authority First	0.175	lb ai/a	4	oz/a	PREPRE	A	110	100.0	
	SP102000017385	0.402	lb ai/a	22	fl oz/a	21 DAP	B	311	100.0	
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	21 DAP	B	611	100.0	
	Drilled								810	100.0
	Mean =								100.0	

Purdue University

Glufosinate demonstrations in soybeans.

Trial ID: 07S-SEP-CTS-60
 Location: SEPA C

Protocol ID: 07S-SEP-CTS-60
 Study Director: Vince Davis/ Kevin Westerfeld
 Investigator: Dr. William G. Johnson

Pest Type			W Weed	W Weed	W Weed		W Weed	W Weed					
Pest Code			CHEAL	IPHOE	SIDSP		CHEAL	IPHOE					
Pest Name			Common lamb>	Ivyleaf mor>	Prickly sida		Common lamb>	Ivyleaf mor>					
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA					
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY					
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean					
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL					
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho					
Part Rated	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P					
Rating Date	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/13/2007	Jun/13/2007	Jun/13/2007					
Rating Data Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%	%	%	%					
Crop Stage	V1	V1	V1	V1	V1	V3	V3	V3					
Crop Stage Scale	3-4"	3-4"	3-4"	3-4"	3-4"	4-6"	4-6"	4-6"					
Pest Stage		0-3"	0-4"	0-2"		1-4"	0-4"						
Assessed By	VMD & MK	VMD & MK	VMD & MK	VMD & MK	AW & GK	AW & GK	AW & GK	AW & GK					
Days After First/Last Applic.	20 0	20 0	20 0	20 0	29 0	29 0	29 0	29 0					
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	Untreated Check 30" row spacing						0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		5.3 a	98.8 a	67.0 c	83.3 b	0.0 a	99.5 a	98.3 a
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		5.0 a	100.0 a	76.8 b	81.3 b	0.0 a	98.8 a	82.5 b
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		3.5 ab	100.0 a	97.3 a	96.8 a	0.0 a	100.0 a	99.5 a
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		6.3 a	100.0 a	96.8 a	99.0 a	0.0 a	100.0 a	95.8 a
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	97.5 a	95.3 a
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	100.0 a	97.3 a
8	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d
9	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d
10	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d

Purdue University

Pest Type		W Weed	W Weed	W Weed		W Weed	W Weed
Pest Code		CHEAL	IPHOE	SIDSP		CHEAL	IPHOE
Pest Name		Common lamb>	Ivyleaf mor>	Prickly sida		Common lamb>	Ivyleaf mor>
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
Part Rated	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P
Rating Date	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/04/2007	Jun/13/2007	Jun/13/2007	Jun/13/2007
Rating Data Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	V1	V1	V1	V1	V3	V3	V3
Crop Stage Scale	3-4"	3-4"	3-4"	3-4"	4-6"	4-6"	4-6"
Pest Stage		0-3"	0-4"	0-2"		1-4"	0-4"
Assessed By	VMD & MK	VMD & MK	VMD & MK	VMD & MK	AW & GK	AW & GK	AW & GK
Days After First/Last Applic.	20 0	20 0	20 0	20 0	29 0	29 0	29 0

Trt No.	Treatment Name	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
23	Liberty	0.78	lb ai/a	60	fl oz/a	32 DAP D	0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	32 DAP D							
	Liberty	0.78	lb ai/a	60	fl oz/a	64 DAP G							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	64 DAP G							
	Drilled												
24	Untreated Check						0.0 b	0.0 b	0.0 d	0.0 c	0.0 a	0.0 b	0.0 d
	Drilled												

LSD (P=.05)	2.63	0.91	8.27	8.01	0.00	1.74	5.78
Standard Deviation	1.86	0.64	5.85	5.67	0.00	1.23	4.08
CV	124.87	1.93	21.35	18.66	0.0	2.48	8.62
Bartlett's X2	2.674	1.11	48.987	35.61	0.0	13.913	46.227
P(Bartlett's X2)	0.913	0.574	0.001*	0.001*	.	0.008*	0.001*
Replicate F	7.374	3.055	1.174	1.334	0.000	2.492	0.440
Replicate Prob(F)	0.0002	0.0341	0.3261	0.2705	1.0000	0.0673	0.7248
Treatment F	5.891	22327.237	191.890	241.919	0.000	6799.800	567.406
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Purdue University

Pest Type		W Weed	W Weed	W Weed		W Weed	W Weed	W Weed					
Pest Code		SIDSP	SOLPT	DATST		CHEAL	IPHOE	SIDSP					
Pest Name		Prickly sida	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida					
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA					
BBCH Scale		BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY					
Crop Name		Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean					
Crop Variety		SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL					
Description		LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho					
Part Rated		PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P					
Rating Date		Jun/13/2007	Jun/13/2007	Jun/13/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007					
Rating Data Type		CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO					
Rating Unit		%	%	%	%	%	%	%					
Crop Stage		V3	V3	V3	V3-4	V3-4	V3-4	V3-4					
Crop Stage Scale		4-6"	4-6"	4-6"	4-8"	4-8"	4-8"	4-8"					
Pest Stage		0-3"	0-1"	0-1"		0-8"	0-32"	0-6"					
Assessed By		AW & GK	AW & GK	AW & GK	GK & KW	GK & KW	GK & KW	GK & KW					
Days After First/Last Applic.		29 0	29 0	29 0	36 0	36 0	36 0	36 0					
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Untreated Check 30" row spacing						0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		99.8 ab	100.0 a	100.0 a	0.0 a	100.0 a	91.3 a	96.5 a
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		95.0 c	99.3 a	70.0 b	0.0 a	98.8 a	55.8 b	75.0 c
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	100.0 a	100.0 a	0.0 a	100.0 a	99.3 a	99.8 a
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		99.0 ab	100.0 a	100.0 a	0.0 a	99.5 a	95.0 a	97.8 a
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		97.0 b	100.0 a	100.0 a	0.0 a	87.5 a	88.3 a	87.0 ab
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		98.3 ab	100.0 a	100.0 a	0.0 a	99.0 a	92.5 a	92.0 a
8	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 d	0.0 b	0.0 c	0.0 a	99.5 a	99.3 a	98.0 a
9	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 d	0.0 b	0.0 c	0.0 a	100.0 a	100.0 a	97.3 a
10	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d
11	Liberty Ammonium Sulfate Liberty Ammonium Sulfate 30" row spacing	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d
12	Untreated Check Drilled						0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d

Purdue University

Pest Type	W Weed	W Weed	W Weed		W Weed	W Weed	W Weed						
Pest Code	SIDSP	SOLPT	DATST		CHEAL	IPHOE	SIDSP						
Pest Name	Prickly sida	Eastern bla	Jimsonweed		Common lamb	Ivyleaf mor	Prickly sida						
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA						
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY						
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean						
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL						
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho						
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P						
Rating Date	Jun/13/2007	Jun/13/2007	Jun/13/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007						
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%	%	%						
Crop Stage	V3	V3	V3	V3-4	V3-4	V3-4	V3-4						
Crop Stage Scale	4-6"	4-6"	4-6"	4-8"	4-8"	4-8"	4-8"						
Pest Stage	0-3"	0-1"	0-1"	0-8"	0-8"	0-32"	0-6"						
Assessed By	AW & GK	AW & GK	AW & GK	GK & KW	GK & KW	GK & KW	GK & KW						
Days After First/Last Applic.	29 0	29 0	29 0	36 0	36 0	36 0	36 0						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
13	Untreated Check Drilled						0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d
14	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	100.0 a	100.0 a	0.0 a	99.8 a	93.3 a	96.3 a
15	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		98.0 ab	97.5 a	99.5 a	0.0 a	95.0 a	17.5 c	77.5 bc
16	Authority First SP102000017385 Ammonium Sulfate Drilled	0.175 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	100.0 a	100.0 a	0.0 a	100.0 a	88.8 a	99.5 a
17	Authority First Liberty Ammonium Sulfate Drilled	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		99.5 ab	100.0 a	100.0 a	0.0 a	100.0 a	95.0 a	96.0 a
18	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		98.3 ab	100.0 a	100.0 a	0.0 a	96.3 a	86.3 a	86.3 ab
19	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		99.3 ab	100.0 a	100.0 a	0.0 a	99.5 a	90.8 a	87.5 ab
20	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 d	0.0 b	0.0 c	0.0 a	100.0 a	98.3 a	98.8 a
21	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		0.0 d	0.0 b	0.0 c	0.0 a	99.5 a	99.8 a	99.5 a
22	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d
23	Liberty Ammonium Sulfate Liberty Ammonium Sulfate Drilled	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 d	0.0 b	0.0 c	0.0 a	0.0 b	0.0 c	0.0 d

Purdue University

Pest Type	W Weed	W Weed	W Weed		W Weed	W Weed	W Weed
Pest Code	SIDSP	SOLPT	DATST		CHEAL	IPHOE	SIDSP
Pest Name	Prickly sida	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/13/2007	Jun/13/2007	Jun/13/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007	Jun/20/2007
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	V3	V3	V3	V3-4	V3-4	V3-4	V3-4
Crop Stage Scale	4-6"	4-6"	4-6"	4-8"	4-8"	4-8"	4-8"
Pest Stage	0-3"	0-1"	0-1"		0-8"	0-32"	0-6"
Assessed By	AW & GK	AW & GK	AW & GK	GK & KW	GK & KW	GK & KW	GK & KW
Days After First/Last Applic.	29 0	29 0	29 0	36 0	36 0	36 0	36 0
Trt Treatment	Rate	Other	Other	Growth	Appl		
No. Name	Rate	Unit	Rate	Rate	Unit	Stage	Code
24 Untreated Check Drilled	0.0	d	0.0	b	0.0	c	0.0 a
							0.0 b
							0.0 c
							0.0 d
LSD (P=.05)	1.79	1.51	7.46	0.00	7.80	12.42	8.00
Standard Deviation	1.27	1.07	5.28	0.00	5.51	8.78	5.66
CV	2.57	2.15	10.83	0.0	8.4	15.15	9.15
Bartlett's X2	24.327	3.557	15.251	0.0	80.109	79.99	70.892
P(Bartlett's X2)	0.001*	0.059	0.001*	.	0.001*	0.001*	0.001*
Replicate F	0.639	0.810	0.979	0.000	3.093	0.859	0.012
Replicate Prob(F)	0.5922	0.4926	0.4077	1.0000	0.0325	0.4668	0.9982
Treatment F	6322.080	9069.113	361.095	0.000	296.324	106.275	254.566
Treatment Prob(F)	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Purdue University

Pest Type		W Weed	W Weed		W Weed	W Weed	W Weed	W Weed					
Pest Code		SOLPT	DATST		CHEAL	IPHOE	SIDSP	SOLPT					
Pest Name		Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>					
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA					
BBCH Scale		BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY					
Crop Name		Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean					
Crop Variety		SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL					
Description		LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho					
Part Rated		PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P					
Rating Date		Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007					
Rating Data Type		CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit		%	%	%	%	%	%	%					
Crop Stage		V3-4	V3-4	R1	R1	R1	R1	R1					
Crop Stage Scale		4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"					
Pest Stage		1-4"	0-5"		0-18"	0-36"	1-12"	2-14"					
Assessed By		GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD					
Days After First/Last Applic.		36 0	36 0	45 0	45 0	45 0	45 0	45 0					
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
1	Untreated Check 30" row spacing						0.0 b	0.0 c	0.0 a	0.0 b	0.0 e	0.0 c	0.0 c
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	99.5 a	0.0 a	99.8 a	86.3 c	93.5 a	98.8 a
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		98.3 a	62.5 b	0.0 a	100.0 a	93.5 abc	99.8 a	100.0 a
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	99.5 a	0.0 a	100.0 a	99.0 a	99.3 a	99.8 a
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		99.5 a	99.5 a	0.0 a	100.0 a	99.0 a	100.0 a	100.0 a
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		98.8 a	98.3 a	0.0 a	91.3 a	79.3 d	82.3 b	96.8 a
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		98.3 a	98.3 a	0.0 a	99.0 a	91.3 abc	90.5 ab	97.5 a
8	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		99.5 a	99.5 a	0.0 a	98.5 a	95.0 abc	93.0 a	97.5 a
9	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		97.5 a	100.0 a	0.0 a	99.8 a	97.3 ab	98.0 a	99.5 a
10	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 b	0.0 c	0.0 a	100.0 a	93.0 abc	99.8 a	99.8 a
11	Liberty Ammonium Sulfate Liberty Ammonium Sulfate 30" row spacing	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 b	0.0 c	0.0 a	100.0 a	96.3 abc	98.8 a	100.0 a
12	Untreated Check Drilled						0.0 b	0.0 c	0.0 a	0.0 b	0.0 e	0.0 c	0.0 c

Purdue University

Pest Type	W Weed	W Weed		W Weed	W Weed	W Weed	W Weed						
Pest Code	SOLPT	DATST		CHEAL	IPHOE	SIDSP	SOLPT						
Pest Name	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>						
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA						
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY						
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean						
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL						
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho						
Part Rated	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P						
Rating Date	Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007						
Rating Data Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%	%	%						
Crop Stage	V3-4	V3-4	R1	R1	R1	R1	R1						
Crop Stage Scale	4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"						
Pest Stage	1-4"	0-5"		0-18"	0-36"	1-12"	2-14"						
Assessed By	GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD						
Days After First/Last Applic.	36 0	36 0	45 0	45 0	45 0	45 0	45 0						
Trt No.	Treatment Name	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
13	Untreated Check Drilled						0.0 b	0.0 c	0.0 a	0.0 b	0.0 e	0.0 c	0.0 c
14	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	100.0 a	0.0 a	99.5 a	87.5 bc	95.5 a	100.0 a
15	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		98.8 a	96.3 a	0.0 a	100.0 a	93.8 abc	100.0 a	99.8 a
16	Authority First SP102000017385 Ammonium Sulfate Drilled	0.175 lb ai/a 0.175 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a 8.5 lb/100 gal		PREPRE A 21 DAP B 21 DAP B		100.0 a	100.0 a	0.0 a	100.0 a	99.3 a	99.5 a	100.0 a
17	Authority First Liberty Ammonium Sulfate Drilled	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a 8.5 lb/100 gal		PREPRE A 32 DAP D 32 DAP D		97.5 a	97.5 a	0.0 a	100.0 a	99.3 a	100.0 a	100.0 a
18	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		99.0 a	98.3 a	0.0 a	95.5 a	88.0 bc	90.0 ab	88.8 b
19	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		100.0 a	100.0 a	0.0 a	98.8 a	88.8 abc	89.8 ab	98.3 a
20	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		100.0 a	100.0 a	0.0 a	98.3 a	97.3 ab	94.5 a	99.5 a
21	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		100.0 a	100.0 a	0.0 a	100.0 a	97.5 ab	96.3 a	100.0 a
22	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 b	0.0 c	0.0 a	100.0 a	96.5 abc	99.5 a	99.5 a
23	Liberty Ammonium Sulfate Liberty Ammonium Sulfate Drilled	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		0.0 b	0.0 c	0.0 a	100.0 a	97.3 ab	97.3 a	98.8 a

Purdue University

Pest Type	W Weed	W Weed		W Weed	W Weed	W Weed	W Weed
Pest Code	SOLPT	DATST		CHEAL	IPOHE	SIDSP	SOLPT
Pest Name	Eastern bla>	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
Part Rated	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/20/2007	Jun/20/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007
Rating Data Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	V3-4	V3-4	R1	R1	R1	R1	R1
Crop Stage Scale	4-8"	4-8"	10-14"	10-14"	10-14"	10-14"	10-14"
Pest Stage	1-4"	0-5"		0-18"	0-36"	1-12"	2-14"
Assessed By	GK & KW	GK & KW	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD	VMD, GK, JD
Days After First/Last Applic.	36 0	36 0	45 0	45 0	45 0	45 0	45 0
Trt Treatment	Rate	Other	Other	Growth	Appl		
No. Name	Rate	Unit	Rate	Rate	Unit	Stage	Code
15	16	17	18	19	20	21	
24 Untreated Check Drilled	0.0 b	0.0 c	0.0 a	0.0 b	0.0 e	0.0 c	0.0 c
LSD (P=.05)	2.49	9.01	0.00	5.36	6.21	6.45	4.21
Standard Deviation	1.76	6.37	0.00	3.79	4.39	4.56	2.98
CV	2.66	9.87	0.0	4.59	5.62	5.71	3.62
Bartlett's X2	15.816	78.436	0.0	61.11	84.882	69.211	60.011
P(Bartlett's X2)	0.045*	0.001*	.	0.001*	0.001*	0.001*	0.001*
Replicate F	1.837	0.684	0.000	1.672	1.692	1.678	0.247
Replicate Prob(F)	0.1486	0.5650	1.0000	0.1810	0.1768	0.1797	0.8630
Treatment F	2944.112	219.863	0.000	396.849	269.167	260.023	638.688
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Purdue University

Pest Type	W Weed		W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	DATST		CHEAL	IPHOE	SIDSP	SOLPT	DATST						
Pest Name	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>	Jimsonweed						
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA						
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY						
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean						
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL						
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho						
Part Rated	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P						
Rating Date	Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007						
Rating Data Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%	%	%						
Crop Stage	R1	R2	R2	R2	R2	R2	R2						
Crop Stage Scale	10-14"	16-20"	16-20"	16-20"	16-20"	16-20"	16-20"						
Pest Stage	4-18"		6-34"	36-60"	12-18"	12-18"	30-36"						
Assessed By	VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD						
Days After First/Last Applic.	45 0	56 11	56 11	56 11	56 11	56 11	56 11						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
1	Untreated Check 30" row spacing						0.0 b	0.0 a	0.0 b	0.0 f	0.0 c	0.0 b	0.0 c
2	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a		PREPRE A 21 DAP B 21 DAP B		93.8 a	0.0 a	99.8 a	88.8 e	95.5 ab	99.0 a	93.3 b
3	Prowl H2O SP102000017385 Ammonium Sulfate 30" row spacing	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a		PREPRE A 32 DAP D 32 DAP D		98.0 a	0.0 a	100.0 a	95.3 a-d	98.5 a	99.5 a	98.3 a
4	Authority First SP102000017385 Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a		PREPRE A 21 DAP B 21 DAP B		97.5 a	0.0 a	100.0 a	98.0 ab	99.3 a	99.3 a	98.3 a
5	Authority First Liberty Ammonium Sulfate 30" row spacing	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a		PREPRE A 32 DAP D 32 DAP D		100.0 a	0.0 a	100.0 a	99.8 a	100.0 a	100.0 a	100.0 a
6	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		95.0 a	0.0 a	100.0 a	98.5 ab	99.0 a	100.0 a	100.0 a
7	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		95.5 a	0.0 a	100.0 a	99.5 ab	99.8 a	100.0 a	98.8 a
8	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		98.8 a	0.0 a	96.3 a	95.3 a-d	91.5 b	97.0 a	95.0 ab
9	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		97.0 a	0.0 a	99.8 a	93.3 a-e	96.8 ab	100.0 a	92.3 b
10	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate 30" row spacing	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		99.5 a	0.0 a	99.8 a	90.0 cde	97.3 ab	98.3 a	98.3 a
11	Liberty Ammonium Sulfate Liberty Ammonium Sulfate 30" row spacing	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		99.5 a	0.0 a	100.0 a	92.8 b-e	98.3 a	98.5 a	97.5 a
12	Untreated Check Drilled						0.0 b	0.0 a	0.0 b	0.0 f	0.0 c	0.0 b	0.0 c

Purdue University

Pest Type	W Weed		W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	DATST		CHEAL	IPHOE	SIDSP	SOLPT	DATST						
Pest Name	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>	Jimsonweed						
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA						
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY						
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean						
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL						
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho						
Part Rated	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P						
Rating Date	Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007						
Rating Data Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%	%	%						
Crop Stage	R1	R2	R2	R2	R2	R2	R2						
Crop Stage Scale	10-14"	16-20"	16-20"	16-20"	16-20"	16-20"	16-20"						
Pest Stage	4-18"		6-34"	36-60"	12-18"	12-18"	30-36"						
Assessed By	VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD						
Days After First/Last Applic.	45 0	56 11	56 11	56 11	56 11	56 11	56 11						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
13	Untreated Check Drilled						0.0 b	0.0 a	0.0 b	0.0 f	0.0 c	0.0 b	0.0 c
14	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a		PREPRE A 21 DAP B 21 DAP B		100.0 a	0.0 a	97.5 a	89.3 de	96.8 ab	100.0 a	99.5 a
15	Prowl H2O SP102000017385 Ammonium Sulfate Drilled	1.42 lb ai/a 0.402 lb ai/a 8.5 lb/100 gal	3 pt/a 22 oz/a		PREPRE A 32 DAP D 32 DAP D		100.0 a	0.0 a	99.8 a	95.8 abc	100.0 a	100.0 a	100.0 a
16	Authority First SP102000017385 Ammonium Sulfate Drilled	0.175 lb ai/a 0.175 lb ai/a 8.5 lb/100 gal	4 oz/a 22 fl oz/a		PREPRE A 21 DAP B 21 DAP B		100.0 a	0.0 a	100.0 a	99.3 ab	99.8 a	100.0 a	100.0 a
17	Authority First Liberty Ammonium Sulfate Drilled	0.175 lb ai/a 0.418 lb ai/a 8.5 lb/100 gal	4 oz/a 32 oz/a		PREPRE A 32 DAP D 32 DAP D		100.0 a	0.0 a	100.0 a	97.8 ab	99.8 a	100.0 a	100.0 a
18	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		97.5 a	0.0 a	100.0 a	97.0 ab	99.3 a	100.0 a	100.0 a
19	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		21 DAP B 21 DAP B 42 DAP E 42 DAP E		100.0 a	0.0 a	100.0 a	96.5 ab	95.0 ab	97.5 a	100.0 a
20	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.402 lb ai/a 8.5 lb/100 gal 0.402 lb ai/a 8.5 lb/100 gal	22 fl oz/a 8.5 lb/100 gal 22 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		100.0 a	0.0 a	99.0 a	95.0 a-d	94.8 ab	96.3 a	98.8 a
21	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.53 lb ai/a 8.5 lb/100 gal 0.53 lb ai/a 8.5 lb/100 gal	29 fl oz/a 8.5 lb/100 gal 29 fl oz/a 8.5 lb/100 gal		28 DAP C 28 DAP C 56 DAP F 56 DAP F		99.8 a	0.0 a	99.0 a	97.5 ab	98.0 a	99.8 a	100.0 a
22	SP102000017385 Ammonium Sulfate SP102000017385 Ammonium Sulfate Drilled	0.79 lb ai/a 8.5 lb/100 gal 0.79 lb ai/a 8.5 lb/100 gal	43 fl oz/a 8.5 lb/100 gal 43 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		100.0 a	0.0 a	99.5 a	96.3 ab	98.3 a	99.3 a	100.0 a
23	Liberty Ammonium Sulfate Liberty Ammonium Sulfate Drilled	0.78 lb ai/a 8.5 lb/100 gal 0.78 lb ai/a 8.5 lb/100 gal	60 fl oz/a 8.5 lb/100 gal 60 fl oz/a 8.5 lb/100 gal		32 DAP D 32 DAP D 64 DAP G 64 DAP G		100.0 a	0.0 a	99.0 a	94.8 a-d	97.8 ab	99.3 a	100.0 a

Purdue University

Pest Type	W Weed		W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	DATST		CHEAL	IPHOE	SIDSP	SOLPT	DATST
Pest Name	Jimsonweed		Common lamb>	Ivyleaf mor>	Prickly sida	Eastern bla>	Jimsonweed
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL	SG2579LL
Description	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho	LL, Gaucho
Part Rated	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/29/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007	Jul/10/2007
Rating Data Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	R1	R2	R2	R2	R2	R2	R2
Crop Stage Scale	10-14"	16-20"	16-20"	16-20"	16-20"	16-20"	16-20"
Pest Stage	4-18"		6-34"	36-60"	12-18"	12-18"	30-36"
Assessed By	VMD, GK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD	VMD, MK, JD
Days After First/Last Applic.	45 0	56 11	56 11	56 11	56 11	56 11	56 11
Trt Treatment	Rate	Other	Other	Growth	Appl		
No. Name	Rate	Unit	Rate	Rate	Unit	Stage	Code
24 Untreated Check Drilled	0.0 b		0.0 a				
				0.0 b			
				0.0 f			
				0.0 c			
				0.0 b			
				0.0 c			
LSD (P=.05)	3.87	0.00	2.71	3.85	4.03	3.13	3.32
Standard Deviation	2.74	0.00	1.91	2.72	2.85	2.22	2.35
CV	3.33	0.0	2.31	3.42	3.5	2.68	2.86
Bartlett's X2	24.982	0.0	52.884	43.515	81.844	37.535	14.392
P(Bartlett's X2)	0.005*	.	0.001*	0.001*	0.001*	0.001*	0.109
Replicate F	1.200	0.000	1.170	2.357	2.065	1.201	4.937
Replicate Prob(F)	0.3162	1.0000	0.3275	0.0793	0.1129	0.3162	0.0036
Treatment F	754.683	0.000	1565.642	719.191	684.787	1162.717	1020.584
Treatment Prob(F)	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.