

# Purdue University

## Early spring burndowns.

Trial ID: 07S-SEP-NTS-32  
Location: SEPAC

Protocol ID: 07S-SEP-NTS-32  
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:** 47907 **E-mail:** wgj@purdue.edu

### Trial Location

**City:** Butlerville  
**State/Prov.:** IN  
**Postal Code:** 47223-0216  
**Country:** USA  
**Directions:**  
Field U41

### Objectives:

Early spring burndowns

### Cooperator/Landowner

**Cooperator:** Southeast-Purdue Ag Center (SEPAC) **Country:** USA  
**Organization:** Purdue University **Phone No:** (812) 458-6977  
**Address 1:** 4425 E Co Rd 350 N **Fax No:** (812) 458-6979  
**City:** Butlerville  
**State/Prov:** IN  
**Postal Code:** 47223-0216

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** Pioneer 93M95 **Description:** RR; Bill planted  
**BBCH Scale:** BSOY **Planting Date:** May/08/2007  
**Planting Method:** DIRECT DRILLED **Rate, Unit:** 120000 S/A  
**Depth, Unit:** 2 IN  
**Row Spacing, Unit:** 30 IN  
**Soil Temperature, Unit:** 80 F  
**Soil Moisture:** Moist **Emergence Date:** May/15/2007

### Pest Description

**Pest 1 Type:** W **Code:** POAAN **Poa annua**  
**Common Name:** Annual bluegrass

**Pest 2 Type:** W **Code:** RANAB **Ranunculus abortivus**  
**Common Name:** Smallflower Buttercup

**Pest 3 Type:** W **Code:** SENGL **Senecio glabellus**  
**Common Name:** Cressleaf groundsel

**Pest 4 Type:** W **Code:** ERICA **Erigeron canadensis**  
**Common Name:** Canada horseweed  
**Description:** Horseweed

**Pest 5 Type:** W **Code:** PANDI **Panicum dichotomiflorum**  
**Common Name:** Fall panicum

**Pest 6 Type:** W **Code:** IPOHE **Ipomoea hederacea**  
**Common Name:** Ivyleaf morningglory

**Pest 7 Type:** W **Code:** AMBEL **Ambrosia artemisiifolia**  
**Common Name:** Common Ragweed

**Pest 8 Type:** W **Code:** SIDSP **Sida spinosa**  
**Common Name:** Prickly sida

### Site and Design

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

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## Soil Description

Description Name: SEPAC U41

% OM: 1.4      Texture: Silty Loam  
 pH: 6          Soil Name: Avonburg  
 CEC: 5

### Analyzed By:

A&L Great Lakes Laboratories

## Additional Measured Elements

Element	Quantity	Unit
K	95	ppm
Ca	795	ppm
Mg	134	ppm
P	15	ppm

## Moisture and Weather Conditions

Closest Weather Station: On research station      Distance: 0.5      Unit: MI

## Application Description

	A	B
Application Date:	May/24/2007	May/30/2007
Time of Day:	11:15 AM	11:40 AM
Application Method:	Spray	Spray
Application Timing:	A: 14dEPP	B: 7dEPP
Application Placement:	BROFOL	BROFOL
Applied By:	VMD GK	KW GK VMD
Air Temperature, Unit:	70 F	78 F
% Relative Humidity:	75	65
Wind Velocity, Unit:	1 MPH	5 MPH
Wind Direction:		WNW
Dew Presence (Y/N):	Y	N
Water Hardness:	Hard	Hard
Soil Temperature, Unit:	58 F	68 F
Soil Moisture:	Wet	Wet
% Cloud Cover:	0	0

## Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY

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## Pest Stage At Each Application

	A	B
<b>Pest 1 Code, Disc., Scale:</b>	POAAN W	POAAN W
<b>Stage Majority, Percent:</b>		Seed
<b>Height, Unit:</b>	2 IN	3 IN
<b>Height Minimum, Maximum:</b>	1 5	2 5
<b>Density, Unit:</b>	15 YD2	15 YD2
<b>Pest 2 Code, Disc., Scale:</b>	RANAB W	RANAB W
<b>Stage Majority, Percent:</b>		Flower
<b>Height, Unit:</b>	11 IN	15 IN
<b>Height Minimum, Maximum:</b>	2 20	2 20
<b>Density, Unit:</b>	40 YD2	35 YD2
<b>Pest 3 Code, Disc., Scale:</b>	SENGL W	SENGL W
<b>Stage Majority, Percent:</b>		Flower
<b>Height, Unit:</b>	16 IN	17 IN
<b>Height Minimum, Maximum:</b>	12 20	12 22
<b>Density, Unit:</b>	6 YD2	7 YD2
<b>Pest 4 Code, Disc., Scale:</b>	ERICA W	ERICA W
<b>Stage Majority, Percent:</b>		Rosett
<b>Height, Unit:</b>	2 IN	2 IN
<b>Height Minimum, Maximum:</b>	0.5 3	0.5 3
<b>Density, Unit:</b>	1 YD2	2 YD2
<b>Pest 5 Code, Disc., Scale:</b>	PANDI W	PANDI W
<b>Pest 6 Code, Disc., Scale:</b>	IPOHE W	IPOHE W
<b>Pest 7 Code, Disc., Scale:</b>	AMBEL W	AMBEL W
<b>Pest 8 Code, Disc., Scale:</b>	SIDSP W	SIDSP W

## Application Equipment

	A	B
<b>Appl. Equipment:</b>	Back Pack	Back Pack
<b>Operating Pressure, Unit:</b>	17 PSI	17 PSI
<b>Nozzle Type:</b>	XR	XR
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	15 IN	15 IN
<b>Nozzles/Row:</b>	6	6
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT
<b>Boom Height, Unit:</b>	15 IN	15 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Incorporation Equip.:</b>	None	None
<b>Hours to Incorp.:</b>	0	0
<b>Incorp. Depth, Unit:</b>	0 IN	0 IN
<b>Carrier:</b>	TPAC H2O	TPAC H2O
<b>Spray Volume, Unit:</b>	15 GAL/AC	15 GAL/AC
<b>Mix Size, Unit:</b>	1.8 Liters	1.8 Liters
<b>Propellant:</b>	CO2	CO2
<b>Tank Mix (Y/N):</b>	Y	Y

**Trt No Treatment Application Comment**

3 Plot 703 was sprayed with treatment 3 and treatment 2 at the 14 dEPP timing. Discard all data for 703.  
 VMD 4-25-07

Trial Comments

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Trial ID: 07S-SEP-NTS-32  
 Location: SEPAC

Protocol ID: 07S-SEP-NTS-32  
 Study Director: Vince Davis/ Kevin Westerfeld  
 Investigator: Dr. William G. Johnson

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed							
Pest Code	POAAN	RANAB	SENGL	ERICA	POAAN	RANAB							
Pest Name	Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>							
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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95							
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P							
Rating Date	Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007							
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%	%							
Crop Stage	N/A	N/A	N/A	N/A	N/A	N/A							
Crop Stage Scale	N/A	N/A	N/A	N/A	N/A	N/A							
Pest Stage	2-5"	2-20"	12-22"	0.5-3"	4"	6-12"							
Pest Density, Unit	15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2							
Assessed By	KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN							
Days After First/Last Applic.	-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16							
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1							
Trt Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
1 Untreated Check					LAPOCR C		101	0.0	0.0	0.0	0.0	0.0	0.0
Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR C		406	0.0	0.0	0.0	0.0	0.0	0.0
Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR C		606	0.0	0.0	0.0	0.0	0.0	0.0
							1003	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 Extreme	0.81	lb ai/a	3	pt/a	14dEPP A		102	50.0	40.0	30.0	50.0	45.0	93.0
2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A		508	85.0	70.0	70.0	70.0	98.0	100.0
NIS	0.125	% v/v	0.125	% v/v	14dEPP A		803	30.0	35.0	35.0	35.0	98.0	96.0
Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A		910	45.0	45.0	45.0	45.0	98.0	100.0
							Mean =	52.5	47.5	45.0	50.0	84.8	97.3
3 Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP A		103	50.0	50.0	50.0	50.0	90.0	95.0
2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A		509	75.0	65.0	65.0	65.0	99.0	100.0
Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP A		703	.	.	.	.	.	.
Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A		903	10.0	40.0	40.0	40.0	99.0	100.0
							Mean =	45.0	51.7	51.7	51.7	96.0	98.3
4 BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP A		104	35.0	35.0	35.0	35.0	80.0	98.0
2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A		407	60.0	65.0	65.0	65.0	99.0	99.0
NIS	0.125	% v/v	0.125	% v/v	14dEPP A		709	20.0	45.0	45.0	45.0	90.0	98.0
Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A		1004	40.0	50.0	50.0	50.0	97.0	100.0
							Mean =	38.8	48.8	48.8	48.8	91.5	98.8
5 Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP A		105	25.0	25.0	25.0	25.0	97.0	98.0
Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP A		307	60.0	55.0	50.0	55.0	98.0	99.0
NIS	0.25	% v/v	0.25	% v/v	14dEPP A		704	20.0	35.0	35.0	35.0	99.0	99.0
Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP A		909	30.0	25.0	25.0	25.0	98.0	100.0
							Mean =	33.8	35.0	33.8	35.0	98.0	99.0
6 ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B		106	0.0	0.0	0.0	0.0	95.0	90.0
Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B		506	0.0	0.0	0.0	0.0	98.0	98.0
Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP B		607	0.0	0.0	0.0	0.0	99.0	98.0
NIS	0.25	% v/v	0.25	% v/v	7 d EPP B		809	0.0	0.0	0.0	0.0	99.0	99.0
Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B								
							Mean =	0.0	0.0	0.0	0.0	97.8	96.3
7 ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B		107	0.0	0.0	0.0	0.0	90.0	96.0
Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B		311	0.0	0.0	0.0	0.0	98.0	96.0
Valor	0.064	lb ai/a	2	oz/a	7 d EPP B		706	0.0	0.0	0.0	0.0	90.0	95.0
NIS	0.25	% v/v	0.25	% v/v	7 d EPP B		1006	0.0	0.0	0.0	0.0	98.0	96.0
Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B								
							Mean =	0.0	0.0	0.0	0.0	94.0	95.8

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								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	
								POAN	RANAB	SENGL	ERICA	POAAN	RANAB	
								Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>	
								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
								BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
								Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
								P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
								PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
								Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007	
								CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	
								%	%	%	%	%	%	
								N/A	N/A	N/A	N/A	N/A	N/A	
								N/A	N/A	N/A	N/A	N/A	N/A	
								2-5"	2-20"	12-22"	0.5-3"	4"	6-12"	
								15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2	
								KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN	
								-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16	
								-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	108	0.0	0.0	0.0	0.0	40.0	98.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	502	0.0	0.0	0.0	0.0	97.0	90.0
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP	B	603	0.0	0.0	0.0	0.0	90.0	88.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	1009	0.0	0.0	0.0	0.0	94.0	94.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
								Mean =	0.0	0.0	0.0	0.0	80.3	92.5
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	109	0.0	0.0	0.0	0.0	80.0	88.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	410	0.0	0.0	0.0	0.0	78.0	96.0
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP	B	609	0.0	0.0	0.0	0.0	94.0	85.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	901	0.0	0.0	0.0	0.0	96.0	89.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
								Mean =	0.0	0.0	0.0	0.0	87.0	89.5
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	110	70.0	85.0	85.0	85.0	10.0	98.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	505	85.0	70.0	70.0	70.0	20.0	98.0
	COC	1	pt/a	1	pt/a	14dEPP	A	511	85.0	90.0	90.0	90.0	13.0	100.0
								906	70.0	85.0	85.0	85.0	5.0	98.0
								Mean =	77.5	82.5	82.5	82.5	12.0	98.5
11	Canopy DF	0.14	lb ai/a	3	oz/a	14dEPP	A	111	30.0	60.0	60.0	60.0	10.0	94.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	409	20.0	55.0	55.0	55.0	8.0	98.0
	COC	1	pt/a	1	pt/a	14dEPP	A	705	10.0	35.0	35.0	35.0	10.0	70.0
								911	0.0	35.0	35.0	35.0	0.0	100.0
								Mean =	15.0	46.3	46.3	46.3	7.0	90.5
12	Canopy XL							201	40.0	70.0	70.0	70.0	15.0	96.0
	Classic	0.018	lb ai/a	1.15	oz/a	14dEPP	A	510	20.0	60.0	60.0	60.0	10.0	97.0
	Authority	0.088	lb ai/a	1.88	oz/a	14dEPP	A	611	10.0	60.0	60.0	60.0	5.0	98.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	907	20.0	50.0	50.0	50.0	2.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	22.5	60.0	60.0	60.0	8.0	97.8
13	Canopy EX							202	15.0	40.0	40.0	40.0	10.0	55.0
	Classic	0.0192	lb ai/a	1.23	oz/a	14dEPP	A	411	55.0	30.0	30.0	30.0	26.0	90.0
	Express	0.0056	lb ai/a	0.12	oz/a	14dEPP	A	701	0.0	35.0	35.0	35.0	3.0	93.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	811	20.0	45.0	45.0	45.0	3.0	94.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	22.5	37.5	37.5	37.5	10.5	83.0
14	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	203	45.0	75.0	75.0	75.0	43.0	97.0
	Express	0.00586	lb ai/a	0.125	oz/a	14dEPP	A	306	80.0	90.0	90.0	90.0	84.0	99.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	804	80.0	90.0	90.0	90.0	45.0	98.0
	COC	1	pt/a	1	pt/a	14dEPP	A	810	80.0	90.0	90.0	90.0	15.0	100.0
								Mean =	71.3	86.3	86.3	86.3	46.8	98.5
15	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	204	65.0	90.0	90.0	90.0	40.0	99.0
	Autumn	0.00078	lb ai/a	0.125	oz/a	14dEPP	A	308	70.0	90.0	90.0	90.0	5.0	99.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	707	75.0	85.0	85.0	85.0	60.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1007	80.0	90.0	90.0	90.0	6.0	100.0
								Mean =	72.5	88.8	88.8	88.8	27.8	99.5

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								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	
								POAAN	RANAB	SENGL	ERICA	POAAN	RANAB	
								Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>	
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	Part Rated	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Pest Density, Unit	Assessed By	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Days After First/Last Applic.	Plant-Eval Interval							P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
								PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
								Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	
								CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	
								%	%	%	%	%	%	
								N/A	N/A	N/A	N/A	N/A	N/A	
								N/A	N/A	N/A	N/A	N/A	N/A	
								2-5"	2-20"	12-22"	0.5-3"	4"	6-12"	
								15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2	
								KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN	
								-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16	
								-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
16	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	205	75.0	88.0	88.0	88.0	97.0	99.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	401	85.0	90.0	90.0	90.0	97.0	99.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	605	90.0	90.0	90.0	90.0	98.0	97.0
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A	902	70.0	85.0	85.0	85.0	96.0	99.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A							
								Mean =	80.0	88.3	88.3	88.3	97.0	98.5
17	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	206	75.0	93.0	93.0	93.0	45.0	98.0
	Sencor 75DF	0.094	lb ai/a	2	oz/a	14dEPP	A	309	90.0	90.0	90.0	90.0	15.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	604	93.0	93.0	93.0	93.0	60.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1008	80.0	90.0	90.0	90.0	30.0	100.0
								Mean =	84.5	91.5	91.5	91.5	37.5	99.5
18	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	207	60.0	75.0	75.0	75.0	97.0	97.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	503	70.0	70.0	70.0	70.0	98.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	610	60.0	70.0	70.0	70.0	97.0	99.0
								808	75.0	75.0	75.0	75.0	100.0	99.0
								Mean =	66.3	72.5	72.5	72.5	98.0	98.8
19	Valor XLT	0.056	lb ai/a	1.76	oz/a	14dEPP	A	208	70.0	88.0	88.0	88.0	10.0	99.0
	Synchrony XP	0.00666	lb ai/a	0.375	oz/a	14dEPP	A	504	85.0	90.0	90.0	90.0	10.0	97.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	602	70.0	90.0	90.0	90.0	0.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	807	80.0	85.0	85.0	85.0	4.0	100.0
								Mean =	76.3	88.3	88.3	88.3	6.0	99.0
20	Rage D-Tech	0.5	lb ai/a	1	pt/a	14dEPP	A	209	30.0	40.0	40.0	40.0	10.0	98.0
	COC	1	qt/a	1	qt/a	14dEPP	A	404	20.0	65.0	65.0	65.0	0.0	90.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	702	10.0	80.0	80.0	80.0	3.0	99.0
								1005	0.0	55.0	55.0	55.0	0.0	99.0
								Mean =	15.0	60.0	60.0	60.0	3.3	96.5
21	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	210	30.0	40.0	40.0	40.0	0.0	94.0
	COC	1	qt/a	1	qt/a	14dEPP	A	408	30.0	60.0	60.0	60.0	2.0	99.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	710	20.0	40.0	40.0	40.0	50.0	99.0
								904	10.0	40.0	40.0	40.0	3.0	100.0
								Mean =	22.5	45.0	45.0	45.0	13.8	98.0
22	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	211	65.0	50.0	50.0	50.0	93.0	99.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	402	30.0	70.0	70.0	70.0	93.0	99.0
								708	20.0	45.0	45.0	45.0	95.0	99.0
								1002	10.0	45.0	45.0	45.0	98.0	99.0
								Mean =	31.3	52.5	52.5	52.5	94.8	99.0
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	301	30.0	55.0	55.0	55.0	5.0	90.0
								501	0.0	40.0	40.0	40.0	3.0	94.0
								608	10.0	30.0	30.0	30.0	2.0	99.0
								1001	0.0	30.0	30.0	30.0	0.0	98.0
								Mean =	10.0	38.8	38.8	38.8	2.5	95.3

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed								
Pest Code	POAAN	RANAB	SENGL	ERICA	POAAN	RANAB								
Pest Name	Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>								
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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95								
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P								
Rating Date	Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007								
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO								
Rating Unit	%	%	%	%	%	%								
Crop Stage	N/A	N/A	N/A	N/A	N/A	N/A								
Crop Stage Scale	N/A	N/A	N/A	N/A	N/A	N/A								
Pest Stage	2-5"	2-20"	12-22"	0.5-3"	4"	6-12"								
Pest Density, Unit	15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2								
Assessed By	KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN								
Days After First/Last Applic.	-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16								
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1								
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	302	50.0	55.0	55.0	55.0	96.0	98.0
								310	30.0	55.0	55.0	55.0	98.0	99.0
								601	55.0	30.0	30.0	30.0	99.0	98.0
								905	20.0	30.0	30.0	30.0	97.0	98.0
								Mean =	38.8	42.5	42.5	42.5	97.5	98.3
25	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	303	65.0	55.0	55.0	55.0	98.0	98.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	405	65.0	70.0	70.0	70.0	99.0	99.0
								711	20.0	45.0	45.0	45.0	97.0	100.0
								805	45.0	80.0	80.0	80.0	98.0	99.0
								Mean =	48.8	62.5	62.5	62.5	98.0	99.0
26	Untreated Check					LAPOCR	C	304	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	507	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	801	0.0	0.0	0.0	0.0	0.0	0.0
								908	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
27	Untreated Check					LAPOCR	C	305	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	403	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	802	0.0	0.0	0.0	0.0	0.0	0.0
								806	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

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								W Weed	W Weed		W Weed	W Weed	W Weed	
								SENGL	ERICA		POAAN	SENGL	ERICA	
								Cressleaf g>	Horseweed		Annual blue>	Cressleaf g>	Horseweed	
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								P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
BBCH Scale								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	
Crop Name								May/08/2007	May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	
Crop Variety								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
Part Rated								%	%	%	%	%	%	
Rating Date								N/A	N/A	VC	VC	VC	VC	
Rating Data Type								N/A	N/A	3-4"	3-4"	3-4"	3-4"	
Rating Unit								1-3'	1-3"		4"	2-3'	1-6"	
Crop Stage								3 YD2	1 YD2		80 YD2	5 YD2	1 YD2	
Crop Stage Scale								VM GN	VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	
Pest Stage								-16 -16	-16 -16	1 1	1 1	1 1	1 1	
Pest Density, Unit								0 DP-1	0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	
Assessed By														
Days After First/Last Applic.														
Plant-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12
1	Untreated Check					LAPOCR	C	101	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	406	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	606	0.0	0.0	0.0	0.0	0.0	0.0
								1003	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	Extreme	0.81	lb ai/a	3	pt/a	14dEPP	A	102	93.0	100.0	0.0	100.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	508	98.0	100.0	10.0	100.0	100.0	100.0
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A	803	96.0	100.0	5.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	910	96.0	96.0	10.0	100.0	100.0	100.0
	Mean =								95.8	99.0	6.3	100.0	100.0	100.0
3	Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP	A	103	98.0	98.0	0.0	100.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	509	97.0	99.0	10.0	100.0	100.0	100.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	703	.	.	.	.	.	.
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	903	99.0	98.0	5.0	100.0	100.0	100.0
	Mean =								98.0	98.3	5.0	100.0	100.0	100.0
4	BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP	A	104	87.0	90.0	10.0	100.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	407	94.0	95.0	0.0	100.0	100.0	100.0
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A	709	92.0	93.0	10.0	100.0	100.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	1004	98.0	100.0	10.0	100.0	98.0	98.0
	Mean =								92.8	94.5	7.5	100.0	99.5	99.5
5	Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP	A	105	94.0	65.0	15.0	100.0	100.0	100.0
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP	A	307	99.0	100.0	5.0	100.0	100.0	98.0
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A	704	99.0	75.0	0.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	909	100.0	100.0	5.0	100.0	100.0	100.0
	Mean =								98.0	85.0	6.3	100.0	100.0	99.5
6	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	106	65.0	36.0	10.0	100.0	100.0	85.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	506	87.0	94.0	5.0	100.0	100.0	80.0
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP	B	607	96.0	85.0	10.0	100.0	100.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	809	97.0	100.0	0.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								86.3	78.8	6.3	100.0	100.0	91.3
7	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	107	95.0	98.0	20.0	100.0	100.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	311	93.0	100.0	5.0	100.0	100.0	95.0
	Valor	0.064	lb ai/a	2	oz/a	7 d EPP	B	706	98.0	100.0	10.0	100.0	100.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	1006	96.0	100.0	13.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								95.5	99.5	12.0	100.0	100.0	98.8
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	108	98.0	99.0	10.0	100.0	100.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	502	88.0	93.0	5.0	100.0	100.0	100.0
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP	B	603	85.0	80.0	0.0	100.0	100.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	1009	89.0	100.0	5.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								90.0	93.0	5.0	100.0	100.0	100.0

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								W Weed	W Weed		W Weed	W Weed	W Weed	
								SENGL	ERICA		POAAN	SENGL	ERICA	
								Cressleaf g>	Horseweed		Annual blue>	Cressleaf g>	Horseweed	
								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
								BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
								Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
								P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	
								May/08/2007	May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	
								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
								%	%	%	%	%	%	
								N/A	N/A	VC	VC	VC	VC	
								N/A	N/A	3-4"	3-4"	3-4"	3-4"	
								1-3'	1-3"		4"	2-3'	1-6"	
								3 YD2	1 YD2		80 YD2	5 YD2	1 YD2	
								VM GN	VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	
								-16 -16	-16 -16	1 1	1 1	1 1	1 1	
								0 DP-1	0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	109	88.0	70.0	10.0	100.0	100.0	97.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	410	88.0	100.0	0.0	100.0	100.0	100.0
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP	B	609	92.0	96.0	5.0	100.0	100.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	901	94.0	100.0	10.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
								Mean =	90.5	91.5	6.3	100.0	100.0	99.3
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	110	100.0	95.0	8.0	40.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	505	98.0	100.0	15.0	75.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	511	98.0	96.0	5.0	85.0	100.0	100.0
								906	98.0	100.0	5.0	70.0	100.0	100.0
								Mean =	98.5	97.8	8.3	67.5	100.0	100.0
11	Canopy DF	0.14	lb ai/a	3	oz/a	14dEPP	A	111	90.0	97.0	10.0	60.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	409	89.0	90.0	0.0	75.0	95.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	705	50.0	100.0	10.0	90.0	100.0	100.0
								911	95.0	97.0	5.0	80.0	98.0	100.0
								Mean =	81.0	96.0	6.3	76.3	98.3	100.0
12	Canopy XL							201	90.0	100.0	5.0	65.0	100.0	100.0
	Classic	0.018	lb ai/a	1.15	oz/a	14dEPP	A	510	89.0	86.0	10.0	90.0	100.0	100.0
	Authority	0.088	lb ai/a	1.88	oz/a	14dEPP	A	611	97.0	90.0	10.0	60.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	907	99.0	95.0	10.0	75.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	93.8	92.8	8.8	72.5	100.0	100.0
13	Canopy EX							202	90.0	99.0	0.0	80.0	100.0	100.0
	Classic	0.0192	lb ai/a	1.23	oz/a	14dEPP	A	411	88.0	90.0	0.0	90.0	100.0	100.0
	Express	0.0056	lb ai/a	0.12	oz/a	14dEPP	A	701	97.0	100.0	0.0	50.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	811	83.0	95.0	5.0	70.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	89.5	96.0	1.3	72.5	100.0	100.0
14	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	203	97.0	96.0	8.0	90.0	100.0	100.0
	Express	0.00586	lb ai/a	0.125	oz/a	14dEPP	A	306	97.0	100.0	5.0	95.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	804	98.0	99.0	5.0	80.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	810	98.0	100.0	5.0	50.0	100.0	100.0
								Mean =	97.5	98.8	5.8	78.8	100.0	100.0
15	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	204	98.0	97.0	10.0	85.0	100.0	100.0
	Autumn	0.00078	lb ai/a	0.125	oz/a	14dEPP	A	308	97.0	100.0	0.0	80.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	707	96.0	100.0	10.0	95.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1007	100.0	100.0	5.0	50.0	100.0	100.0
								Mean =	97.8	99.3	6.3	77.5	100.0	100.0
16	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	205	97.0	96.0	5.0	100.0	100.0	100.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	401	98.0	100.0	5.0	95.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	605	100.0	100.0	5.0	100.0	100.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A	902	98.0	100.0	8.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A							
								Mean =	98.3	99.0	5.8	98.8	100.0	100.0

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								W Weed	W Weed		W Weed	W Weed	W Weed	
								SENGL	ERICA		POAAN	SENGL	ERICA	
								Cressleaf g>	Horseweed		Annual blue>	Cressleaf g>	Horseweed	
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								P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
BBCH Scale								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	
Crop Name								May/08/2007	May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	
Crop Variety								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
Part Rated								%	%	%	%	%	%	
Rating Date								N/A	N/A	VC	VC	VC	VC	
Rating Data Type								N/A	N/A	3-4"	3-4"	3-4"	3-4"	
Rating Unit								1-3'	1-3"		4"	2-3'	1-6"	
Crop Stage								3 YD2	1 YD2		80 YD2	5 YD2	1 YD2	
Crop Stage Scale								VM GN	VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	
Pest Stage								-16 -16	-16 -16	1 1	1 1	1 1	1 1	
Pest Density, Unit								0 DP-1	0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	
Assessed By														
Days After First/Last Applic.														
Plant-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12
17	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	206	99.0	99.0	8.0	80.0	100.0	100.0
	Sencor 75DF	0.094	lb ai/a	2	oz/a	14dEPP	A	309	98.0	94.0	5.0	80.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	604	98.0	100.0	5.0	90.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1008	98.0	100.0	5.0	80.0	98.0	100.0
	Mean =								98.3	98.3	5.8	82.5	99.5	100.0
18	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	207	98.0	98.0	10.0	100.0	100.0	100.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	503	98.0	95.0	5.0	100.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	610	99.0	100.0	10.0	100.0	100.0	100.0
								808	100.0	100.0	5.0	100.0	100.0	95.0
	Mean =								98.8	98.3	7.5	100.0	100.0	98.8
19	Valor XLT	0.056	lb ai/a	1.76	oz/a	14dEPP	A	208	99.0	95.0	5.0	60.0	100.0	100.0
	Synchrony XP	0.00666	lb ai/a	0.375	oz/a	14dEPP	A	504	98.0	96.0	10.0	80.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	602	100.0	100.0	0.0	50.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	807	99.0	98.0	10.0	80.0	100.0	100.0
	Mean =								99.0	97.3	6.3	67.5	100.0	100.0
20	Rage D-Tech	0.5	lb ai/a	1	pt/a	14dEPP	A	209	30.0	98.0	5.0	40.0	40.0	100.0
	COC	1	qt/a	1	qt/a	14dEPP	A	404	55.0	95.0	0.0	40.0	30.0	95.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	702	60.0	100.0	5.0	60.0	35.0	100.0
								1005	60.0	100.0	5.0	30.0	30.0	100.0
	Mean =								51.3	98.3	3.8	42.5	33.8	98.8
21	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	210	10.0	98.0	5.0	40.0	40.0	100.0
	COC	1	qt/a	1	qt/a	14dEPP	A	408	96.0	100.0	0.0	60.0	40.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	710	15.0	88.0	5.0	90.0	30.0	100.0
								904	23.0	100.0	3.0	35.0	30.0	100.0
	Mean =								36.0	96.5	3.3	56.3	35.0	100.0
22	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	211	90.0	90.0	5.0	100.0	100.0	100.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	402	96.0	99.0	0.0	100.0	100.0	100.0
								708	98.0	99.0	5.0	100.0	100.0	95.0
								1002	97.0	100.0	3.0	100.0	99.0	100.0
	Mean =								95.3	97.0	3.3	100.0	99.8	98.8
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	301	20.0	100.0	0.0	40.0	40.0	100.0
								501	47.0	80.0	0.0	50.0	35.0	85.0
								608	95.0	96.0	5.0	50.0	50.0	75.0
								1001	15.0	100.0	0.0	20.0	30.0	100.0
	Mean =								44.3	94.0	1.3	40.0	38.8	90.0
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	302	96.0	100.0	0.0	100.0	100.0	90.0
								310	99.0	93.0	0.0	100.0	100.0	95.0
								601	100.0	97.0	5.0	100.0	100.0	100.0
								905	100.0	95.0	5.0	100.0	100.0	98.0
	Mean =								98.8	96.3	2.5	100.0	100.0	95.8

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								W Weed	W Weed		W Weed	W Weed	W Weed	
								SENGL	ERICA		POAAN	SENGL	ERICA	
								Cressleaf g>	Horseweed		Annual blue>	Cressleaf g>	Horseweed	
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								P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
BBCH Scale								PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	
Crop Name								May/08/2007	May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	
Crop Variety								CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
Part Rated								%	%	%	%	%	%	
Rating Date								N/A	N/A	VC	VC	VC	VC	
Rating Data Type								N/A	N/A	3-4"	3-4"	3-4"	3-4"	
Rating Unit								1-3'	1-3"		4"	2-3'	1-6"	
Crop Stage								3 YD2	1 YD2		80 YD2	5 YD2	1 YD2	
Crop Stage Scale								VM GN	VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	
Pest Stage								-16 -16	-16 -16	1 1	1 1	1 1	1 1	
Pest Density, Unit								0 DP-1	0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	
Assessed By														
Days After First/Last Applic.														
Plant-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12
25	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	303	95.0	99.0	0.0	100.0	100.0	100.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	405	96.0	92.0	5.0	100.0	100.0	100.0
								711	98.0	100.0	10.0	100.0	100.0	100.0
								805	98.0	96.0	5.0	100.0	100.0	100.0
								Mean =	96.8	96.8	5.0	100.0	100.0	100.0
26	Untreated Check					LAPOCR	C	304	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	507	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	801	0.0	0.0	0.0	0.0	0.0	0.0
								908	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
27	Untreated Check					LAPOCR	C	305	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	403	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	802	0.0	0.0	0.0	0.0	0.0	0.0
								806	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

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Pest Type				W Weed		W Weed		W Weed		W Weed		W Weed		
Pest Code				ERICA		PANDI		IPOHE		AMBEL		SIDSP		
Pest Name				Horseweed		Fall panicum		Ivyleaf mor->		Common ragw->		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		P93M95		P93M95		P93M95		P93M95		P93M95		P93M95		
Part Rated		PLAQUA C		PLAQUA P		PLAQUA P		PLAQUA P		PLAQUA P		PLAQUA P		
Rating Date		Jun/29/2007		Jun/29/2007		Jun/29/2007		Jun/29/2007		Jun/29/2007		Jun/29/2007		
Rating Data Type		PHYGEN		CONTRO		CONTRO		CONTRO		CONTRO		CONTRO		
Rating Unit		%		%		%		%		%		%		
Crop Stage		V6-R1		V6-R1		V6-R1		V6-R1		V6-R1		V6-R1		
Crop Stage Scale		14"		14"		14"		14"		14"		14"		
Pest Stage				2-30"		6-8"		1-26"		8-30"		3-8"		
Pest Density, Unit				3 YD2		6 YS2		5 YD2		3 YD2		6 YD2		
Assessed By		VM MK		VM MK		VM MK		VM MK		VM MK		VM MK		
Days After First/Last Applic.		36 30		36 30		36 30		36 30		36 30		36 30		
Plant-Eval Interval		52 DP-1		52 DP-1		52 DP-1		52 DP-1		52 DP-1		52 DP-1		
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	13	14	15	16	17	18
1	Untreated Check					LAPOCR	C	101	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	406	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	606	0.0	0.0	0.0	0.0	0.0	0.0
								1003	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	Extreme	0.81	lb ai/a	3	pt/a	14dEPP	A	102	0.0	90.0	97.0	100.0	95.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	508	0.0	65.0	85.0	93.0	87.0	100.0
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A	803	0.0	97.0	98.0	93.0	95.0	100.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	910	0.0	87.0	95.0	93.0	93.0	97.0
	Mean =								0.0	84.8	93.8	94.8	92.5	99.3
3	Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP	A	103	0.0	97.0	96.0	97.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	509	0.0	98.0	97.0	97.0	95.0	100.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	703	.	.	.	.	.	.
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	903	0.0	100.0	90.0	97.0	100.0	100.0
	Mean =								0.0	98.3	94.3	97.0	98.3	100.0
4	BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP	A	104	0.0	80.0	92.0	95.0	90.0	93.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	407	0.0	55.0	93.0	80.0	40.0	100.0
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A	709	0.0	90.0	96.0	60.0	50.0	95.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A	1004	0.0	89.0	50.0	97.0	93.0	80.0
	Mean =								0.0	78.5	82.8	83.0	68.3	92.0
5	Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP	A	105	0.0	47.0	86.0	90.0	100.0	90.0
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP	A	307	0.0	55.0	85.0	75.0	55.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A	704	0.0	83.0	85.0	98.0	100.0	97.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	909	0.0	75.0	95.0	83.0	95.0	93.0
	Mean =								0.0	65.0	87.8	86.5	87.5	95.0
6	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	106	0.0	60.0	85.0	90.0	100.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	506	0.0	87.0	93.0	90.0	100.0	90.0
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP	B	607	0.0	75.0	97.0	93.0	.	45.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	809	0.0	90.0	97.0	70.0	55.0	90.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								0.0	78.0	93.0	85.8	85.0	81.3
7	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	107	0.0	70.0	80.0	90.0	95.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	311	0.0	90.0	97.0	80.0	97.0	87.0
	Valor	0.064	lb ai/a	2	oz/a	7 d EPP	B	706	0.0	45.0	75.0	35.0	90.0	99.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	1006	0.0	85.0	45.0	85.0	100.0	99.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								0.0	72.5	74.3	72.5	95.5	96.3
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	108	0.0	100.0	85.0	0.0	97.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	502	0.0	100.0	90.0	100.0	100.0	100.0
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP	B	603	0.0	100.0	95.0	90.0	100.0	95.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	1009	0.0	100.0	93.0	93.0	100.0	97.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
	Mean =								0.0	100.0	90.8	70.8	99.3	98.0

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								W Weed	W Weed	W Weed	W Weed	W Weed		
								ERICA	PANDI	IPOHE	AMBEL	SIDSP		
								Horseweed	Fall panicum	Ivyleaf mor->	Common ragw->	Prickly sida		
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	Part Rated	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	Pest Density, Unit	Assessed By	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO		
Days After First/Last Applic.	Plant-Eval Interval							%	%	%	%	%		
								V6-R1	V6-R1	V6-R1	V6-R1	V6-R1		
								14"	14"	14"	14"	14"		
								2-30"	6-8"	1-26"	8-30"	3-8"		
								3 YD2	6 YS2	5 YD2	3 YD2	6 YD2		
								VM MK	VM MK	VM MK	VM MK	VM MK		
								36 30	36 30	36 30	36 30	36 30		
								52 DP-1	52 DP-1	52 DP-1	52 DP-1	52 DP-1		
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	13	14	15	16	17	18
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	109	0.0	40.0	95.0	93.0	90.0	100.0
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B	410	0.0	87.0	96.0	80.0	90.0	100.0
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP	B	609	0.0	97.0	97.0	96.0	95.0	100.0
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B	901	0.0	98.0	94.0	97.0	100.0	98.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
								Mean =	0.0	80.5	95.5	91.5	93.8	99.5
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	110	0.0	93.0	97.0	70.0	65.0	97.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	505	0.0	100.0	96.0	97.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	511	0.0	97.0	100.0	95.0	98.0	90.0
								906	0.0	100.0	94.0	97.0	100.0	99.0
								Mean =	0.0	97.5	96.8	89.8	90.8	96.5
11	Canopy DF	0.14	lb ai/a	3	oz/a	14dEPP	A	111	0.0	100.0	97.0	93.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	409	0.0	100.0	97.0	93.0	93.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	705	0.0	100.0	95.0	90.0	100.0	99.0
								911	0.0	100.0	97.0	95.0	97.0	97.0
								Mean =	0.0	100.0	96.5	92.8	97.5	99.0
12	Canopy XL							201	0.0	100.0	98.0	97.0	100.0	95.0
	Classic	0.018	lb ai/a	1.15	oz/a	14dEPP	A	510	0.0	100.0	96.0	96.0	85.0	99.0
	Authority	0.088	lb ai/a	1.88	oz/a	14dEPP	A	611	0.0	95.0	98.0	80.0	95.0	90.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	907	0.0	97.0	98.0	97.0	93.0	97.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	0.0	98.0	97.5	92.5	93.3	95.3
13	Canopy EX							202	0.0	100.0	98.0	97.0	100.0	93.0
	Classic	0.0192	lb ai/a	1.23	oz/a	14dEPP	A	411	0.0	100.0	99.0	80.0	96.0	99.0
	Express	0.0056	lb ai/a	0.12	oz/a	14dEPP	A	701	0.0	100.0	97.0	97.0	100.0	93.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	811	0.0	100.0	95.0	90.0	97.0	95.0
	COC	1	pt/a	1	pt/a	14dEPP	A							
								Mean =	0.0	100.0	97.3	91.0	98.3	95.0
14	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	203	0.0	100.0	98.0	96.0	100.0	96.0
	Express	0.00586	lb ai/a	0.125	oz/a	14dEPP	A	306	0.0	100.0	97.0	97.0	99.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	804	0.0	97.0	97.0	98.0	100.0	99.0
	COC	1	pt/a	1	pt/a	14dEPP	A	810	0.0	100.0	96.0	10.0	90.0	100.0
								Mean =	0.0	99.3	97.0	75.3	97.3	98.8
15	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	204	0.0	100.0	98.0	90.0	100.0	97.0
	Autumn	0.00078	lb ai/a	0.125	oz/a	14dEPP	A	308	0.0	100.0	97.0	85.0	97.0	99.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	707	0.0	97.0	90.0	80.0	80.0	97.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1007	0.0	100.0	75.0	99.0	100.0	97.0
								Mean =	0.0	99.3	90.0	88.5	94.3	97.5
16	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	205	0.0	100.0	97.0	93.0	100.0	100.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	401	0.0	100.0	98.0	99.0	100.0	100.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	605	0.0	100.0	90.0	77.0	100.0	99.0
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A	902	0.0	100.0	97.0	98.0	98.0	94.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A							
								Mean =	0.0	100.0	95.5	91.8	99.5	98.3

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								W Weed	W Weed	W Weed	W Weed	W Weed		
								ERICA	PANDI	IPOHE	AMBEL	SIDSP		
								Horseweed	Fall panicum	Ivyleaf mor->	Common ragw->	Prickly sida		
Pest Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Pest Code								BSOY	BSOY	BSOY	BSOY	BSOY		
Pest Name								Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Code								P93M95	P93M95	P93M95	P93M95	P93M95		
BBCH Scale								PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P		
Crop Name								Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007		
Crop Variety								PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO		
Part Rated								%	%	%	%	%		
Rating Date								V6-R1	V6-R1	V6-R1	V6-R1	V6-R1		
Rating Data Type								14"	14"	14"	14"	14"		
Rating Unit								2-30"	6-8"	1-26"	8-30"	3-8"		
Crop Stage								3 YD2	6 YS2	5 YD2	3 YD2	6 YD2		
Crop Stage Scale								VM MK	VM MK	VM MK	VM MK	VM MK		
Pest Stage								36 30	36 30	36 30	36 30	36 30		
Pest Density, Unit								52 DP-1	52 DP-1	52 DP-1	52 DP-1	52 DP-1		
Assessed By														
Days After First/Last Applic.														
Plant-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	13	14	15	16	17	18
17	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	206	0.0	100.0	75.0	90.0	100.0	97.0
	Sencor 75DF	0.094	lb ai/a	2	oz/a	14dEPP	A	309	0.0	100.0	98.0	80.0	97.0	94.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	604	0.0	95.0	97.0	95.0	100.0	97.0
	COC	1	pt/a	1	pt/a	14dEPP	A	1008	0.0	99.0	95.0	97.0	100.0	97.0
	Mean =								0.0	98.5	91.3	90.5	99.3	96.3
18	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	207	0.0	95.0	75.0	87.0	100.0	100.0
	Roundup Original Max	0.387	lb ae/a	11	fl oz/a	14dEPP	A	503	0.0	100.0	97.0	97.0	100.0	97.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	610	0.0	100.0	97.0	85.0	95.0	100.0
								808	0.0	100.0	98.0	85.0	90.0	100.0
	Mean =								0.0	98.8	91.8	88.5	96.3	99.3
19	Valor XLT	0.056	lb ai/a	1.76	oz/a	14dEPP	A	208	0.0	100.0	97.0	75.0	93.0	100.0
	Synchrony XP	0.00666	lb ai/a	0.375	oz/a	14dEPP	A	504	0.0	100.0	100.0	94.0	100.0	97.0
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	602	0.0	100.0	98.0	95.0	100.0	100.0
	COC	1	pt/a	1	pt/a	14dEPP	A	807	0.0	85.0	85.0	90.0	90.0	100.0
	Mean =								0.0	96.3	95.0	88.5	95.8	99.3
20	Rage D-Tech	0.5	lb ai/a	1	pt/a	14dEPP	A	209	0.0	85.0	95.0	90.0	90.0	97.0
	COC	1	qt/a	1	qt/a	14dEPP	A	404	0.0	93.0	80.0	94.0	100.0	100.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	702	0.0	90.0	97.0	100.0	97.0	100.0
								1005	0.0	95.0	30.0	90.0	100.0	97.0
	Mean =								0.0	90.8	75.5	93.5	96.8	98.5
21	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	210	0.0	87.0	95.0	60.0	45.0	93.0
	COC	1	qt/a	1	qt/a	14dEPP	A	408	0.0	80.0	96.0	75.0	40.0	99.0
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A	710	0.0	80.0	95.0	20.0	87.0	97.0
								904	0.0	85.0	75.0	95.0	100.0	97.0
	Mean =								0.0	83.0	90.3	62.5	68.0	96.5
22	Rage D-Tech	0.375	lb ai/a	0.75	pt/a	14dEPP	A	211	0.0	60.0	96.0	80.0	75.0	70.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	402	0.0	90.0	70.0	83.0	100.0	55.0
								708	0.0	40.0	55.0	10.0	50.0	95.0
								1002	0.0	77.0	40.0	90.0	90.0	90.0
	Mean =								0.0	66.8	65.3	65.8	78.8	77.5
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	301	0.0	95.0	45.0	97.0	100.0	90.0
								501	0.0	87.0	94.0	90.0	100.0	75.0
								608	0.0	85.0	83.0	75.0	.	97.0
								1001	0.0	95.0	35.0	93.0	93.0	95.0
	Mean =								0.0	90.5	64.3	88.8	97.7	89.3
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	302	0.0	45.0	65.0	90.0	100.0	100.0
								310	0.0	55.0	90.0	50.0	70.0	87.0
								601	0.0	95.0	87.0	92.0	100.0	97.0
								905	0.0	90.0	35.0	94.0	100.0	100.0
	Mean =								0.0	71.3	69.3	81.5	92.5	96.0

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Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code		ERICA	PANDI	IPHOE	AMBEL	SIDSP
Pest Name		Horseweed	Fall panicum	Ivyleaf mor->	Common ragw->	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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95
Part Rated	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007
Rating Data Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Crop Stage	V6-R1	V6-R1	V6-R1	V6-R1	V6-R1	V6-R1
Crop Stage Scale	14"	14"	14"	14"	14"	14"
Pest Stage		2-30"	6-8"	1-26"	8-30"	3-8"
Pest Density, Unit		3 YD2	6 YS2	5 YD2	3 YD2	6 YD2
Assessed By	VM MK	VM MK	VM MK	VM MK	VM MK	VM MK
Days After First/Last Applic.	36 30	36 30	36 30	36 30	36 30	36 30
Plant-Eval Interval	52 DP-1	52 DP-1	52 DP-1	52 DP-1	52 DP-1	52 DP-1

  

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot	13	14	15	16	17	18
25	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	303	0.0	85.0	20.0	75.0	85.0	99.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	405	0.0	95.0	93.0	97.0	100.0	100.0
								711	0.0	77.0	90.0	0.0	85.0	100.0
								805	0.0	87.0	95.0	93.0	95.0	97.0
	Mean =								0.0	86.0	74.5	66.3	91.3	99.0
26	Untreated Check					LAPOCR	C	304	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	507	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	801	0.0	0.0	0.0	0.0	0.0	0.0
								908	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
27	Untreated Check					LAPOCR	C	305	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C	403	0.0	0.0	0.0	0.0	0.0	0.0
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C	802	0.0	0.0	0.0	0.0	0.0	0.0
								806	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

# Purdue University

## Early spring burndowns.

Trial ID: 07S-SEP-NTS-32  
 Location: SEPAC

Protocol ID: 07S-SEP-NTS-32  
 Study Director: Vince Davis/ Kevin Westerfeld  
 Investigator: Dr. William G. Johnson

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed							
Pest Code	POAAN	RANAB	SENGL	ERICA	POAAN	RANAB	SENGL							
Pest Name	Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>	Cressleaf g>							
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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95							
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P							
Rating Date	Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007	May/08/2007							
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%	%	%							
Crop Stage	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
Crop Stage Scale	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
Pest Stage	2-5"	2-20"	12-22"	0.5-3"	4"	6-12"	1-3'							
Pest Density, Unit	15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2	3 YD2							
Assessed By	KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN	VM GN							
Days After First/Last Applic.	-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16	-16 -16							
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1	0 DP-1							
Trt No.	Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	Untreated Check					LAPOCR C	C	0.0 h	0.0 f	0.0 e	0.0 f	0.0 c	0.0 c	0.0 c
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR C	C							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR C	C							
2	Extreme	0.81	lb ai/a	3	pt/a	14dEPP	A	52.5 b-e	47.5 de	45.0 cd	50.0 de	84.8 a	97.3 a	95.8 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A							
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A							
3	Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP	A	45.0 def	51.7 de	51.7 cd	51.7 de	96.0 a	98.3 a	98.0 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A							
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A							
4	BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP	A	38.8 efg	48.8 de	48.8 cd	48.8 de	91.5 a	98.8 a	92.8 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A							
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A							
5	Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP	A	33.8 efg	35.0 e	33.8 d	35.0 e	98.0 a	99.0 a	98.0 a
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP	A							
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A							
6	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	0.0 h	0.0 f	0.0 e	0.0 f	97.8 a	96.3 a	86.3 a
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B							
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
7	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	0.0 h	0.0 f	0.0 e	0.0 f	94.0 a	95.8 a	95.5 a
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B							
	Valor	0.064	lb ai/a	2	oz/a	7 d EPP	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	0.0 h	0.0 f	0.0 e	0.0 f	80.3 a	92.5 a	90.0 a
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B							
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	0.0 h	0.0 f	0.0 e	0.0 f	87.0 a	89.5 ab	90.5 a
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B							
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B							
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	77.5 ab	82.5 ab	82.5 a	82.5 ab	12.0 c	98.5 a	98.5 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A							
	COC	1	pt/a	1	pt/a	14dEPP	A							

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Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	
Pest Code							POAAN	RANAB	SENGL	ERICA	POAAN	RANAB	SENGL	
Pest Name							Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>	Cressleaf g>	
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							P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
Part Rated							PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
Rating Date							Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007	May/08/2007	
Rating Data Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	
Rating Unit							%	%	%	%	%	%	%	
Crop Stage							N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Crop Stage Scale							N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pest Stage							2-5"	2-20"	12-22"	0.5-3"	4"	6-12"	1-3'	
Pest Density, Unit							15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2	3 YD2	
Assessed By							KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN	VM GN	
Days After First/Last Applic.							-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16	-16 -16	
Plant-Eval Interval							-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1	0 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
11	Canopy DF 2,4-D Ester COC	0.14 0.5 1	lb ai/a lb ai/a pt/a	3 1 1	oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP	A A A	15.0 fgh	46.3 de	46.3 cd	46.3 de	7.0 c	90.5 ab	81.0 a
12	Canopy XL Classic Authority 2,4-D Ester COC	0.018 0.088 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	1.15 1.88 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	22.5 e-h	60.0 cd	60.0 bc	60.0 cd	8.0 c	97.8 a	93.8 a
13	Canopy EX Classic Express 2,4-D Ester COC	0.0192 0.0056 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	1.23 0.12 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	22.5 e-h	37.5 e	37.5 d	37.5 e	10.5 c	83.0 b	89.5 a
14	Valor XLT Express 2,4-D Ester COC	0.096 0.00586 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	3 0.125 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	71.3 abc	86.3 ab	86.3 a	86.3 ab	46.8 b	98.5 a	97.5 a
15	Valor XLT Autumn 2,4-D Ester COC	0.096 0.00078 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	3 0.125 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	72.5 abc	88.8 ab	88.8 a	88.8 ab	27.8 bc	99.5 a	97.8 a
16	Valor XLT Roundup Original Max 2,4-D Ester NIS Ammonium Sulfate	0.096 0.387 0.5 0.25 17	lb ai/a lb ae/a lb ai/a % v/v lb/100 gal	3 11 1 0.25 17	oz/a fl oz/a pt/a % v/v lb/100 gal	14dEPP 14dEPP 14dEPP 14dEPP 14dEPP	A A A A A	80.0 ab	88.3 ab	88.3 a	88.3 ab	97.0 a	98.5 a	98.3 a
17	Valor XLT Sencor 75DF 2,4-D Ester COC	0.096 0.094 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	3 2 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	84.5 a	91.5 a	91.5 a	91.5 a	37.5 b	99.5 a	98.3 a
18	Valor XLT Roundup Original Max Ammonium Sulfate	0.096 0.387 17	lb ai/a lb ae/a lb/100 gal	3 11 17	oz/a fl oz/a lb/100 gal	14dEPP 14dEPP 14dEPP	A A A	66.3 a-d	72.5 bc	72.5 ab	72.5 bc	98.0 a	98.8 a	98.8 a
19	Valor XLT Synchrony XP 2,4-D Ester COC	0.056 0.00666 0.5 1	lb ai/a lb ai/a lb ai/a pt/a	1.76 0.375 1 1	oz/a oz/a pt/a pt/a	14dEPP 14dEPP 14dEPP 14dEPP	A A A A	76.3 ab	88.3 ab	88.3 a	88.3 ab	6.0 c	99.0 a	99.0 a
20	Rage D-Tech COC Ammonium Sulfate	0.5 1 17	lb ai/a qt/a lb/100 gal	1 1 17	pt/a qt/a lb/100 gal	14dEPP 14dEPP 14dEPP	A A A	15.0 fgh	60.0 cd	60.0 bc	60.0 cd	3.3 c	96.5 a	51.3 b
21	Rage D-Tech COC Ammonium Sulfate	0.375 1 17	lb ai/a qt/a lb/100 gal	0.75 1 17	pt/a qt/a lb/100 gal	14dEPP 14dEPP 14dEPP	A A A	22.5 e-h	45.0 de	45.0 cd	45.0 de	13.8 c	98.0 a	36.0 b
22	Rage D-Tech Roundup Weather Max	0.375 0.77	lb ai/a lb ae/a	0.75 22	pt/a fl oz/a	14dEPP 14dEPP	A A	31.3 e-h	52.5 de	52.5 cd	52.5 de	94.8 a	99.0 a	95.3 a
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	10.0 gh	38.8 e	38.8 d	38.8 e	2.5 c	95.3 a	44.3 b
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	38.8 efg	42.5 de	42.5 cd	42.5 de	97.5 a	98.3 a	98.8 a
25	2,4-D Ester Roundup Weather Max	0.5 0.77	lb ai/a lb ae/a	1 22	pt/a fl oz/a	14dEPP 14dEPP	A A	48.8 cde	62.5 cd	62.5 bc	62.5 cd	98.0 a	99.0 a	96.8 a

# Purdue University

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	POAAN	RANAB	SENL	ERICA	POAAN	RANAB	SENL
Pest Name	Annual blue>	Smallflower>	Cressleaf g>	Horseweed	Annual blue>	Smallflower>	Cressleaf g>
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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Apr/30/2007	Apr/30/2007	Apr/30/2007	Apr/30/2007	May/08/2007	May/08/2007	May/08/2007
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Crop Stage	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crop Stage Scale	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pest Stage	2-5"	2-20"	12-22"	0.5-3"	4"	6-12"	1-3'
Pest Density, Unit	15 YD2	37 YD2	7 YD2	2 YD2	80 YD2	15 YD2	3 YD2
Assessed By	KW VMD GK	KW VMD GK	KW VMD GK	KW VMD GK	VM GN	VM GN	VM GN
Days After First/Last Applic.	-24 -24	-24 -24	-24 -24	-24 -24	-16 -16	-16 -16	-16 -16
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1	0 DP-1	0 DP-1	0 DP-1

  

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
26	Untreated Check					LAPOCR	C	0.0 h	0.0 f	0.0 e	0.0 f	0.0 c	0.0 c	0.0 c
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C							
27	Untreated Check					LAPOCR	C	0.0 h	0.0 f	0.0 e	0.0 f	0.0 c	0.0 c	0.0 c
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C							

  

LSD (P=.05)	18.36	12.47	12.54	12.40	17.88	6.92	17.20
Standard Deviation	12.98	8.82	8.87	8.77	12.64	4.90	12.17
CV	37.91	19.42	19.6	19.27	24.56	5.71	15.48
Bartlett's X2	20.03	36.503	37.1	36.199	123.046	129.639	181.157
P(Bartlett's X2)	0.393	0.009*	0.008*	0.01*	0.001*	0.001*	0.001*
Replicate F	5.027	3.405	3.233	3.401	1.871	2.616	1.326
Replicate Prob(F)	0.0031	0.0217	0.0268	0.0219	0.1416	0.0570	0.2720
Treatment F	20.796	53.317	52.705	53.938	45.583	161.828	29.335
Treatment Prob(F)	0.0001	0.0001	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.

# Purdue University

							W Weed		W Weed	W Weed	W Weed		W Weed	
							ERICA		POAAN	SENL	ERICA		ERICA	
							Horseweed		Annual blue>	Cressleaf g>	Horseweed		Horseweed	
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Part Rated	Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Assessed By	Days After First/Last Applic.	Plant-Eval Interval					Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
							P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
							PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	
							May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	Jun/29/2007	Jun/29/2007	
							CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	
							%	%	%	%	%	%	%	
							N/A	VC	VC	VC	VC	V6-R1	V6-R1	
							N/A	3-4"	3-4"	3-4"	3-4"	14"	14"	
							1-3"		4"	2-3'	1-6"		2-30"	
							1 YD2		80 YD2	5 YD2	1 YD2		3 YD2	
							VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	VM MK	VM MK	
							-16 -16	1 1	1 1	1 1	1 1	36 30	36 30	
							0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	52 DP-1	52 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Untreated Check					LAPOCR C	C	0.0 c	0.0 b	0.0 e	0.0 d	0.0 c	0.0 a	0.0 d
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR C	C							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR C	C							
2	Extreme	0.81	lb ai/a	3	pt/a	14dEPP A	A	99.0 ab	6.3 ab	100.0 a	100.0 a	100.0 a	0.0 a	84.8 abc
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	NIS	0.125	% v/v	0.125	% v/v	14dEPP A	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A	A							
3	Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP A	A	98.3 ab	5.0 ab	100.0 a	100.0 a	100.0 a	0.0 a	98.3 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP A	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A	A							
4	BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP A	A	94.5 ab	7.5 ab	100.0 a	99.5 a	99.5 a	0.0 a	78.5 abc
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	NIS	0.125	% v/v	0.125	% v/v	14dEPP A	A							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP A	A							
5	Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP A	A	85.0 ab	6.3 ab	100.0 a	100.0 a	99.5 a	0.0 a	65.0 c
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP A	A							
	NIS	0.25	% v/v	0.25	% v/v	14dEPP A	A							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP A	A							
6	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B	B	78.8 b	6.3 ab	100.0 a	100.0 a	91.3 ab	0.0 a	78.0 abc
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B	B							
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP B	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP B	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B	B							
7	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B	B	99.5 a	12.0 a	100.0 a	100.0 a	98.8 a	0.0 a	72.5 abc
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B	B							
	Valor	0.064	lb ai/a	2	oz/a	7 d EPP B	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP B	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B	B							
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B	B	93.0 ab	5.0 ab	100.0 a	100.0 a	100.0 a	0.0 a	100.0 a
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B	B							
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP B	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP B	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B	B							
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP B	B	91.5 ab	6.3 ab	100.0 a	100.0 a	99.3 a	0.0 a	80.5 abc
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP B	B							
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP B	B							
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP B	B							
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP B	B							
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP A	A	97.8 ab	8.3 ab	67.5 bc	100.0 a	100.0 a	0.0 a	97.5 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	COC	1	pt/a	1	pt/a	14dEPP A	A							
11	Canopy DF	0.14	lb ai/a	3	oz/a	14dEPP A	A	96.0 ab	6.3 ab	76.3 abc	98.3 a	100.0 a	0.0 a	100.0 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	COC	1	pt/a	1	pt/a	14dEPP A	A							
12	Canopy XL							92.8 ab	8.8 ab	72.5 bc	100.0 a	100.0 a	0.0 a	98.0 ab
	Classic	0.018	lb ai/a	1.15	oz/a	14dEPP A	A							
	Authority	0.088	lb ai/a	1.88	oz/a	14dEPP A	A							
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP A	A							
	COC	1	pt/a	1	pt/a	14dEPP A	A							

# Purdue University

							W Weed		W Weed	W Weed	W Weed		W Weed	
							ERICA		POAAN	SENGL	ERICA		ERICA	
							Horseweed		Annual blue>	Cressleaf g>	Horseweed		Horseweed	
Pest Type	Pest Code	Pest Name	Crop Code	BBCH Scale	Crop Name	Crop Variety	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Part Rated	Rating Date	Rating Data Type	Rating Unit	Crop Stage	Crop Stage Scale	Pest Stage	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Assessed By	Days After First/Last Applic.	Plant-Eval Interval					Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
							P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	
							PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P	
							May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	Jun/29/2007	Jun/29/2007	
							CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	
							%	%	%	%	%	%	%	
							N/A	VC	VC	VC	VC	V6-R1	V6-R1	
							N/A	3-4"	3-4"	3-4"	3-4"	14"	14"	
							1-3"	4"	2-3'	1-6"		2-30"	2-30"	
							1 YD2	80 YD2	5 YD2	1 YD2		3 YD2	3 YD2	
							VM GN	WGJ VMD	WGJ VMD	WGJ VMD	VM MK	VM MK	VM MK	
							-16 -16	1 1	1 1	1 1	36 30	36 30	36 30	
							0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	52 DP-1	52 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
13	Canopy EX Classic	0.0192	lb ai/a	1.23	oz/a	14dEPP	A	96.0 ab	1.3 b	72.5 bc	100.0 a	100.0 a	0.0 a	100.0 a
	Express	0.0056	lb ai/a	0.12	oz/a	14dEPP	A							
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A							
	COC	1	pt/a	1	pt/a	14dEPP	A							
14	Valor XLT Express	0.096	lb ai/a	3	oz/a	14dEPP	A	98.8 ab	5.8 ab	78.8 abc	100.0 a	100.0 a	0.0 a	99.3 ab
	2,4-D Ester	0.00586	lb ai/a	0.125	oz/a	14dEPP	A							
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A							
		1	pt/a	1	pt/a	14dEPP	A							
15	Valor XLT Autumn	0.096	lb ai/a	3	oz/a	14dEPP	A	99.3 ab	6.3 ab	77.5 abc	100.0 a	100.0 a	0.0 a	99.3 ab
	2,4-D Ester	0.00078	lb ai/a	0.125	oz/a	14dEPP	A							
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A							
		1	pt/a	1	pt/a	14dEPP	A							
16	Valor XLT Roundup Original Max	0.096	lb ai/a	3	oz/a	14dEPP	A	99.0 ab	5.8 ab	98.8 a	100.0 a	100.0 a	0.0 a	100.0 a
	2,4-D Ester	0.387	lb ae/a	11	fl oz/a	14dEPP	A							
	NIS	0.5	lb ai/a	1	pt/a	14dEPP	A							
	Ammonium Sulfate	0.25	% v/v	0.25	% v/v	14dEPP	A							
		17	lb/100 gal	17	lb/100 gal	14dEPP	A							
17	Valor XLT Sencor 75DF	0.096	lb ai/a	3	oz/a	14dEPP	A	98.3 ab	5.8 ab	82.5 ab	99.5 a	100.0 a	0.0 a	98.5 ab
	2,4-D Ester	0.094	lb ai/a	2	oz/a	14dEPP	A							
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A							
		1	pt/a	1	pt/a	14dEPP	A							
18	Valor XLT Roundup Original Max	0.096	lb ai/a	3	oz/a	14dEPP	A	98.3 ab	7.5 ab	100.0 a	100.0 a	98.8 a	0.0 a	98.8 ab
	Ammonium Sulfate	0.387	lb ae/a	11	fl oz/a	14dEPP	A							
		17	lb/100 gal	17	lb/100 gal	14dEPP	A							
19	Valor XLT Synchrony XP	0.056	lb ai/a	1.76	oz/a	14dEPP	A	97.3 ab	6.3 ab	67.5 bc	100.0 a	100.0 a	0.0 a	96.3 ab
	2,4-D Ester	0.00666	lb ai/a	0.375	oz/a	14dEPP	A							
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A							
		1	pt/a	1	pt/a	14dEPP	A							
20	Rage D-Tech COC	0.5	lb ai/a	1	pt/a	14dEPP	A	98.3 ab	3.8 ab	42.5 d	33.8 c	98.8 a	0.0 a	90.8 abc
	Ammonium Sulfate	1	qt/a	1	qt/a	14dEPP	A							
		17	lb/100 gal	17	lb/100 gal	14dEPP	A							
21	Rage D-Tech COC	0.375	lb ai/a	0.75	pt/a	14dEPP	A	96.5 ab	3.3 ab	56.3 cd	35.0 c	100.0 a	0.0 a	83.0 abc
	Ammonium Sulfate	1	qt/a	1	qt/a	14dEPP	A							
		17	lb/100 gal	17	lb/100 gal	14dEPP	A							
22	Rage D-Tech Roundup Weather Max	0.375	lb ai/a	0.75	pt/a	14dEPP	A	97.0 ab	3.3 ab	100.0 a	99.8 a	98.8 a	0.0 a	66.8 c
		0.77	lb ae/a	22	fl oz/a	14dEPP	A							
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	94.0 ab	1.3 b	40.0 d	38.8 b	90.0 b	0.0 a	90.5 abc
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	96.3 ab	2.5 ab	100.0 a	100.0 a	95.8 a	0.0 a	71.3 bc
25	2,4-D Ester Roundup Weather Max	0.5	lb ai/a	1	pt/a	14dEPP	A	96.8 ab	5.0 ab	100.0 a	100.0 a	100.0 a	0.0 a	86.0 abc
		0.77	lb ae/a	22	fl oz/a	14dEPP	A							
26	Untreated Check					LAPOCR	C	0.0 c	0.0 b	0.0 e	0.0 d	0.0 c	0.0 a	0.0 d
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C							
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C							

# Purdue University

Pest Type	W Weed		W Weed	W Weed	W Weed		W Weed																																																												
Pest Code	ERICA		POAAN	SENGL	ERICA		ERICA																																																												
Pest Name	Horseweed		Annual blue>	Cressleaf g>	Horseweed		Horseweed																																																												
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	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95	P93M95																																																												
Part Rated	PLAQUA P	PLAQUA C	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA C	PLAQUA P																																																												
Rating Date	May/08/2007	May/25/2007	May/25/2007	May/25/2007	May/25/2007	Jun/29/2007	Jun/29/2007																																																												
Rating Data Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO																																																												
Rating Unit	%	%	%	%	%	%	%																																																												
Crop Stage	N/A	VC	VC	VC	VC	V6-R1	V6-R1																																																												
Crop Stage Scale	N/A	3-4"	3-4"	3-4"	3-4"	14"	14"																																																												
Pest Stage	1-3"		4"	2-3'	1-6"		2-30"																																																												
Pest Density, Unit	1 YD2		80 YD2	5 YD2	1 YD2		3 YD2																																																												
Assessed By	VM GN	WGJ VMD	WGJ VMD	WGJ VMD	WGJ VMD	VM MK	VM MK																																																												
Days After First/Last Applic.	-16 -16	1 1	1 1	1 1	1 1	36 30	36 30																																																												
Plant-Eval Interval	0 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1	52 DP-1	52 DP-1																																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Trt No.</td> <td style="width: 15%;">Treatment Name</td> <td style="width: 10%;">Rate</td> <td style="width: 10%;">Rate Unit</td> <td style="width: 10%;">Other Rate</td> <td style="width: 10%;">Other Rate Unit</td> <td style="width: 10%;">Growth Stage</td> <td style="width: 10%;">Appl Code</td> <td style="width: 10%;">8</td> <td style="width: 10%;">9</td> <td style="width: 10%;">10</td> <td style="width: 10%;">11</td> <td style="width: 10%;">12</td> <td style="width: 10%;">13</td> <td style="width: 10%;">14</td> </tr> <tr> <td>27</td> <td>Untreated Check</td> <td></td> <td></td> <td></td> <td></td> <td>LAPOCR</td> <td>C</td> <td>0.0 c</td> <td>0.0 b</td> <td>0.0 e</td> <td>0.0 d</td> <td>0.0 c</td> <td>0.0 a</td> <td>0.0 d</td> </tr> <tr> <td></td> <td>Roundup Weather Max</td> <td>0.77</td> <td>lb ae/a</td> <td></td> <td>22</td> <td>fl oz/a</td> <td>LAPOCR</td> <td>C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Ammonium Sulfate</td> <td>8.5</td> <td>lb/100 gal</td> <td></td> <td>8.5</td> <td>lb/100 gal</td> <td>LAPOCR</td> <td>C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14	27	Untreated Check					LAPOCR	C	0.0 c	0.0 b	0.0 e	0.0 d	0.0 c	0.0 a	0.0 d		Roundup Weather Max	0.77	lb ae/a		22	fl oz/a	LAPOCR	C								Ammonium Sulfate	8.5	lb/100 gal		8.5	lb/100 gal	LAPOCR	C						
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14																																																					
27	Untreated Check					LAPOCR	C	0.0 c	0.0 b	0.0 e	0.0 d	0.0 c	0.0 a	0.0 d																																																					
	Roundup Weather Max	0.77	lb ae/a		22	fl oz/a	LAPOCR	C																																																											
	Ammonium Sulfate	8.5	lb/100 gal		8.5	lb/100 gal	LAPOCR	C																																																											
LSD (P=.05)	11.22	5.22	14.63	3.14	4.78	0.00	15.60																																																												
Standard Deviation	7.93	3.69	10.34	2.22	3.38	0.00	11.03																																																												
CV	9.35	73.73	13.74	2.72	3.85	0.0	13.96																																																												
Bartlett's X2	104.539	20.71	15.175	27.885	38.627	0.0	76.216																																																												
P(Bartlett's X2)	0.001*	0.599	0.175	0.001*	0.001*	.	0.001*																																																												
Replicate F	2.418	1.697	2.524	2.083	1.005	0.000	2.133																																																												
Replicate Prob(F)	0.0727	0.1747	0.0638	0.1093	0.3954	1.0000	0.1029																																																												
Treatment F	60.731	2.434	39.928	1036.942	352.812	0.000	30.675																																																												
Treatment Prob(F)	0.0001	0.0014	0.0001	0.0001	0.0001	1.0000	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	
Pest Code							PANDI	IPOHE	AMBEL	SIDSP	
Pest Name							Fall panicum	Ivyleaf mor->	Common ragw>	Prickly sida	
Crop Code							GLXMA	GLXMA	GLXMA	GLXMA	
BBCH Scale							BSOY	BSOY	BSOY	BSOY	
Crop Name							Soybean	Soybean	Soybean	Soybean	
Crop Variety							P93M95	P93M95	P93M95	P93M95	
Part Rated							PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
Rating Date							Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	
Rating Data Type							CONTRO	CONTRO	CONTRO	CONTRO	
Rating Unit							%	%	%	%	
Crop Stage							V6-R1	V6-R1	V6-R1	V6-R1	
Crop Stage Scale							14"	14"	14"	14"	
Pest Stage							6-8"	1-26"	8-30"	3-8"	
Pest Density, Unit							6 YS2	5 YD2	3 YD2	6 YD2	
Assessed By							VM MK	VM MK	VM MK	VM MK	
Days After First/Last Applic.							36 30	36 30	36 30	36 30	
Plant-Eval Interval							52 DP-1	52 DP-1	52 DP-1	52 DP-1	
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18
1	Untreated Check					LAPOCR	C	0.0 b	0.0 b	0.0 b	0.0 d
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C				
2	Extreme	0.81	lb ai/a	3	pt/a	14dEPP	A	93.8 a	94.8 a	92.5 a	99.3 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A				
3	Scepter	0.00197	lb ai/a	2.1	oz/a	14dEPP	A	94.3 a	97.0 a	98.3 a	100.0 a
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A				
4	BAS 756	1.56	lb ai/a	2.5	pt/a	14dEPP	A	82.8 a	83.0 a	68.3 a	92.0 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	NIS	0.125	% v/v	0.125	% v/v	14dEPP	A				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	14dEPP	A				
5	Buccaneer	0.75	lb ae/a	32	fl oz/a	14dEPP	A	87.8 a	86.5 a	87.5 a	95.0 ab
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	14dEPP	A				
	NIS	0.25	% v/v	0.25	% v/v	14dEPP	A				
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	14dEPP	A				
6	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	93.0 a	85.8 a	85.0 a	81.3 bc
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B				
	Dual II Magnum	1.27	lb ai/a	1.33	pt/a	7 d EPP	B				
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B				
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B				
7	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	74.3 a	72.5 a	95.5 a	96.3 ab
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B				
	Valor	0.064	lb ai/a	2	oz/a	7 d EPP	B				
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B				
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B				
8	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	90.8 a	70.8 a	99.3 a	98.0 ab
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B				
	FirstRate	0.0158	lb ai/a	0.3	oz/a	7 d EPP	B				
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B				
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B				
9	ET	0.00163	lb ai/a	1	fl oz/a	7 d EPP	B	95.5 a	91.5 a	93.8 a	99.5 ab
	Buccaneer	0.75	lb ae/a	32	fl oz/a	7 d EPP	B				
	Pursuit	0.0625	lb ai/a	4	fl oz/a	7 d EPP	B				
	NIS	0.25	% v/v	0.25	% v/v	7 d EPP	B				
	Ammonium Sulfate	17	lb/100 gal	17	lb/100 gal	7 d EPP	B				
10	Valor XLT	0.096	lb ai/a	3	oz/a	14dEPP	A	96.8 a	89.8 a	90.8 a	96.5 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	COC	1	pt/a	1	pt/a	14dEPP	A				
11	Canopy DF	0.14	lb ai/a	3	oz/a	14dEPP	A	96.5 a	92.8 a	97.5 a	99.0 ab
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	COC	1	pt/a	1	pt/a	14dEPP	A				
12	Canopy XL							97.5 a	92.5 a	93.3 a	95.3 ab
	Classic	0.018	lb ai/a	1.15	oz/a	14dEPP	A				
	Authority	0.088	lb ai/a	1.88	oz/a	14dEPP	A				
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	COC	1	pt/a	1	pt/a	14dEPP	A				

# Purdue University

							W Weed	W Weed	W Weed	W Weed	
							PANDI	IPOHE	AMBEL	SIDSP	
							Fall panicum	Ivyleaf mor->	Common ragw>	Prickly sida	
Pest Type							GLXMA	GLXMA	GLXMA	GLXMA	
Pest Code							BSOY	BSOY	BSOY	BSOY	
Pest Name							Soybean	Soybean	Soybean	Soybean	
Crop Code							P93M95	P93M95	P93M95	P93M95	
BBCH Scale							PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
Crop Name							Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007	
Crop Variety							CONTRO	CONTRO	CONTRO	CONTRO	
Part Rated							%	%	%	%	
Rating Date							V6-R1	V6-R1	V6-R1	V6-R1	
Rating Data Type							14"	14"	14"	14"	
Rating Unit							6-8"	1-26"	8-30"	3-8"	
Crop Stage							6 YS2	5 YD2	3 YD2	6 YD2	
Crop Stage Scale							VM MK	VM MK	VM MK	VM MK	
Pest Stage							36 30	36 30	36 30	36 30	
Pest Density, Unit							52 DP-1	52 DP-1	52 DP-1	52 DP-1	
Assessed By											
Days After First/Last Applic.											
Plant-Eval Interval											
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18
13	Canopy EX Classic	0.0192	lb ai/a	1.23	oz/a	14dEPP	A	97.3 a	91.0 a	98.3 a	95.0 ab
	Express	0.0056	lb ai/a	0.12	oz/a	14dEPP	A				
	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A				
	COC	1	pt/a	1	pt/a	14dEPP	A				
14	Valor XLT Express	0.096	lb ai/a	3	oz/a	14dEPP	A	97.0 a	75.3 a	97.3 a	98.8 ab
	2,4-D Ester	0.00586	lb ai/a	0.125	oz/a	14dEPP	A				
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A				
		1	pt/a	1	pt/a	14dEPP	A				
15	Valor XLT Autumn	0.096	lb ai/a	3	oz/a	14dEPP	A	90.0 a	88.5 a	94.3 a	97.5 ab
	2,4-D Ester	0.00078	lb ai/a	0.125	oz/a	14dEPP	A				
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A				
		1	pt/a	1	pt/a	14dEPP	A				
16	Valor XLT Roundup Original Max	0.096	lb ai/a	3	oz/a	14dEPP	A	95.5 a	91.8 a	99.5 a	98.3 ab
	2,4-D Ester	0.387	lb ae/a	11	fl oz/a	14dEPP	A				
	NIS	0.5	lb ai/a	1	pt/a	14dEPP	A				
	Ammonium Sulfate	0.25	% v/v	0.25	% v/v	14dEPP	A				
		17	lb/100 gal	17	lb/100 gal	14dEPP	A				
17	Valor XLT Sencor 75DF	0.096	lb ai/a	3	oz/a	14dEPP	A	91.3 a	90.5 a	99.3 a	96.3 ab
	2,4-D Ester	0.094	lb ai/a	2	oz/a	14dEPP	A				
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A				
		1	pt/a	1	pt/a	14dEPP	A				
18	Valor XLT Roundup Original Max	0.096	lb ai/a	3	oz/a	14dEPP	A	91.8 a	88.5 a	96.3 a	99.3 ab
	Ammonium Sulfate	0.387	lb ae/a	11	fl oz/a	14dEPP	A				
		17	lb/100 gal	17	lb/100 gal	14dEPP	A				
19	Valor XLT Synchrony XP	0.056	lb ai/a	1.76	oz/a	14dEPP	A	95.0 a	88.5 a	95.8 a	99.3 ab
	2,4-D Ester	0.00666	lb ai/a	0.375	oz/a	14dEPP	A				
	COC	0.5	lb ai/a	1	pt/a	14dEPP	A				
		1	pt/a	1	pt/a	14dEPP	A				
20	Rage D-Tech COC	0.5	lb ai/a	1	pt/a	14dEPP	A	75.5 a	93.5 a	96.8 a	98.5 ab
	Ammonium Sulfate	1	qt/a	1	qt/a	14dEPP	A				
		17	lb/100 gal	17	lb/100 gal	14dEPP	A				
21	Rage D-Tech COC	0.375	lb ai/a	0.75	pt/a	14dEPP	A	90.3 a	62.5 a	68.0 a	96.5 ab
	Ammonium Sulfate	1	qt/a	1	qt/a	14dEPP	A				
		17	lb/100 gal	17	lb/100 gal	14dEPP	A				
22	Rage D-Tech Roundup Weather Max	0.375	lb ai/a	0.75	pt/a	14dEPP	A	65.3 a	65.8 a	78.8 a	77.5 c
		0.77	lb ae/a	22	fl oz/a	14dEPP	A				
23	2,4-D Ester	0.5	lb ai/a	1	pt/a	14dEPP	A	64.3 a	88.8 a	97.7 a	89.3 abc
24	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	14dEPP	A	69.3 a	81.5 a	92.5 a	96.0 ab
25	2,4-D Ester Roundup Weather Max	0.5	lb ai/a	1	pt/a	14dEPP	A	74.5 a	66.3 a	91.3 a	99.0 ab
		0.77	lb ae/a	22	fl oz/a	14dEPP	A				
26	Untreated Check					LAPOCR	C	0.0 b	0.0 b	0.0 b	0.0 d
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C				

# Purdue University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	PANDI	IPOHE	AMBEL	SIDSP
Pest Name	Fall panicum	Ivyleaf mor->	Common ragw>	Prickly sida
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY
Crop Name	Soybean	Soybean	Soybean	Soybean
Crop Variety	P93M95	P93M95	P93M95	P93M95
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Date	Jun/29/2007	Jun/29/2007	Jun/29/2007	Jun/29/2007
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Crop Stage	V6-R1	V6-R1	V6-R1	V6-R1
Crop Stage Scale	14"	14"	14"	14"
Pest Stage	6-8"	1-26"	8-30"	3-8"
Pest Density, Unit	6 YS2	5 YD2	3 YD2	6 YD2
Assessed By	VM MK	VM MK	VM MK	VM MK
Days After First/Last Applic.	36 30	36 30	36 30	36 30
Plant-Eval Interval	52 DP-1	52 DP-1	52 DP-1	52 DP-1

  

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18
27	Untreated Check					LAPOCR	C	0.0 b	0.0 b	0.0 b	0.0 d
	Roundup Weather Max	0.77	lb ae/a	22	fl oz/a	LAPOCR	C				
	Ammonium Sulfate	8.5	lb/100 gal	8.5	lb/100 gal	LAPOCR	C				

  

LSD (P=.05)	19.88	28.52	17.50	10.03
Standard Deviation	14.05	20.17	12.37	7.09
CV	18.07	26.84	15.13	8.35
Bartlett's X2	113.138	74.769	94.517	112.091
P(Bartlett's X2)	0.001*	0.001*	0.001*	0.001*
Replicate F	4.405	1.422	0.682	0.180
Replicate Prob(F)	0.0065	0.2428	0.5660	0.9096
Treatment F	17.989	8.099	24.471	76.637
Treatment Prob(F)	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.