

Purdue University

Valent Fall Applied Soybean Herbicide Programs in Soybeans

Trial ID: 06F-SEP-NTS-01
Location: SEPAC

Study Dir.: Vince Davis
Investigator: Dr. William G. Johnson

GENERAL TRIAL INFORMATION

Study Director: Vince Davis **Title:** Research Associate
Affiliation: Purdue University
Postal Code: 47097
Investigator: Dr. William G. Johnson **Title:** Associate Professor
Affiliation: Purdue University
Postal Code: 47097

TRIAL LOCATION

City: Butlerville
State/Prov.: IN
Postal Code: 47223
Country: USA
Directions: Field F10

COOPERATOR/LANDOWNER

Cooperator: Southeast Purdue Ag Center **Country:** USA
Org: 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

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: The objective of this experiment is to evaluate the efficacy of experimental compounds V10089 and V10204 applied in the fall prior to no-till soybeans.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	STEME	Common chickweed	Stellaria media
2.	LAMAM	Henbit	Lamium amplexicaule
3.	ERICA	Horseweed	Erigeron canadensis
4.	VERSS	Speedwell	Veronica sp.
5.	POAAN	Annual bluegrass	Poa annua

Crop 1: GLXMA SOYBEAN **Variety:** Pioneer 93M95
Planting Date: 15/May/2007 **Planting Method:** DIRECT DRILLED
Rate: 130000 S/A **Depth:** 1 IN
Row Spacing: 30 IN **Soil Moisture:** NORMAL **Emergence Date:** 25/May/2007

SITE AND DESIGN

Plot Width, Unit: 7.5 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Site Type: FIELD
Tillage Type: NO-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

	Previous Crops	Year
1.	Doublecrop Soybeans	2006

SOIL DESCRIPTION

% OM: 2.1 **Texture:** SILT LOAM
pH: 5.9 **Soil Name:** Avonburg
CEC: 5.4

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit
Phosphorous	26	PPM
Potassium	121	PPM
Calcium	820	PPM
Magnesium	120	PPM

Closest Weather Station: On research station

Distance: 0.5 **Unit:** MI

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APPLICATION DESCRIPTION

	A	B
Application Date:	8/Nov/2006	8/May/2007
Time of Day:	2:50 pm	12:30 PM
Application Method:	SPRAY	Spray
Application Timing:	FALLEA	B: SPR
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	61 F	85 F
% Relative Humidity:	90	65
Wind Velocity, Unit:	1.5 MPH	2 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	Very Hard	Hard
Soil Temp., Unit:	54 F	70 F
Soil Moisture:	Wet	Dry
% Cloud Cover:	100	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA	GLXMA

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	STEME Leaf	STEME
Stage Scale:	2-8	4-12"
Density, Unit:	5-50 YD2	5-50 YD2
Weed 2 Code, Stage:	LAMAM Cotyledon	LAMAM
Stage Scale:		2-4"
Density, Unit:	10 YD2	0-2 YD2
Weed 3 Code, Stage:	ERICA	ERICA
Stage Scale:		3-4"
Density, Unit:	0 YD2	675 YD2
Weed 4 Code, Stage:	VERSS	VERSS
Stage Scale:		1-4"
Density, Unit:		25 YD2
Weed 5 Code, Stage:	POAAN	POAAN
Stage Scale:		2-5"
Density, Unit:		100 YD2

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BackPack	Backpack
Operating Pressure:	17 psi	17 PSI
Nozzle Type:	XR	XR
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	15 IN	15 IN
Nozzles/Row:	6	6
Boom Length, Unit:	7.5 FT	7.5 FT
Boom Height, Unit:	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	H2O	TPAC H2O
Spray Volume, Unit:	15 GPA	15 GPA
Propellant:	CO2	CO2

Trial Comments

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Valent Fall Applied Soybean Herbicide Programs in Soybeans

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 Location: SEPAC

Study Dir.: Vince Davis
 Investigator: Dr. William G. Johnson

								STEME	POANN	ERICA	ERICA	VERSS	ERICA
								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
								PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
								CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
								%	%	%	%	%	%
								2/Apr/2007	2/Apr/2007	24/Apr/2007	8/May/2007	8/May/2007	29/May/2007
								Flowers	1-3"	0.5-2"	3-4"	1-4"	1-6"
								36 YD2	117 YD2	675 YD2	675 YD2	25 YD2	675 YD2
								WGJ+MK	WGJ+MK	GN+WGJ+GK	GN+VM	GN+VM	GK+GN
Tri	Treatment	Rate	Product	Product	Grow	Appl	Plot	1	2	3	4	5	6
No.	Name	Rate	Unit	Rate	Rate	Stg	Code						
1	UTC							101	0.0	0.0	0.0	0.0	0.0
								503	0.0	0.0	0.0	0.0	0.0
								903	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0
2	V10089			3	FALB	A		102	100.0	100.0	100.0	100.0	97.0
	Valor	0.056	LB A/A	1.76	OZ/A	FALB	A	603	100.0	100.0	100.0	97.0	95.0
	Classic	0.019	LB A/A	1.22	OZ/A	FALB	A	904	85.0	100.0	100.0	97.0	98.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
							Mean =		95.0	100.0	100.0	99.0	96.7
3	V10089			3	FALB	A		103	100.0	100.0	100.0	100.0	95.0
	Valor	0.056	LB A/A	1.76	OZ/A	FALB	A	506	100.0	100.0	100.0	99.0	97.0
	Classic	0.019	LB A/A	1.22	OZ/A	FALB	A	706	100.0	97.0	95.0	97.0	95.0
	EXPRESS	.0056	LB A/A	0.12	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
							Mean =		100.0	99.0	98.3	98.7	95.7
4	V10089			3	FALB	A		104	100.0	100.0	100.0	95.0	93.0
	Valor	0.056	LB A/A	1.76	OZ/A	FALB	A	401	100.0	100.0	100.0	100.0	98.0
	Classic	0.019	LB A/A	1.22	OZ/A	FALB	A	806	100.0	100.0	100.0	96.0	98.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
							Mean =		100.0	100.0	100.0	98.0	96.3
5	V10089			3	SPRB	B		105	0.0	0.0	0.0	0.0	98.0
	Valor	0.056	LB A/A	1.76	OZ/A	SPRB	B	402	0.0	0.0	0.0	0.0	99.0
	Classic	0.019	LB A/A	1.22	OZ/A	SPRB	B	703	0.0	0.0	0.0	0.0	97.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	SPRB	B						
	2,4-D/ES	0.95	LB A/A	1	QT/A	SPRB	B						
	NIS	0.25	% V/V	0.25	% V/V	SPRB	B						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	SPRB	B						
							Mean =		0.0	0.0	0.0	0.0	98.0
6	V10089			2.5	FALB	A		106	100.0	100.0	99.0	98.0	100.0
	Valor	0.047	LB A/A	1.47	OZ/A	FALB	A	404	100.0	100.0	99.0	100.0	99.0
	Classic	0.016	LB A/A	1.02	OZ/A	FALB	A	905	90.0	100.0	100.0	96.0	99.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	V10089			2.5	SPRB	C							
	Valor	0.047	LB A/A	1.47	OZ/A	SPRB	C						
	Classic	0.016	LB A/A	1.02	OZ/A	SPRB	C						
	2,4-D/ES	0.475	LB A/A	1	PT/A	SPRB	C						
	NIS	0.25	% V/V	0.25	% V/V	SPRB	C						
							Mean =		96.7	100.0	99.3	98.0	99.7
7	V10089			3	FALB	A		201	100.0	100.0	100.0	99.0	97.0
	Valor	0.056	LB A/A	1.76	OZ/A	FALB	A	605	100.0	100.0	99.0	98.0	90.0
	Classic	0.019	LB A/A	1.22	OZ/A	FALB	A	804	100.0	100.0	99.0	95.0	85.0
	AUTUMN	.0008	LB A/A	0.128	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
							Mean =		100.0	100.0	99.3	97.3	90.7

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Weed Code									STEME	POANN	ERICA	ERICA	VERSS	ERICA
Crop Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Part Rated									PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Data Type									CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit									%	%	%	%	%	%
Rating Date									2/Apr/2007	2/Apr/2007	24/Apr/2007	8/May/2007	8/May/2007	29/May/2007
Weed Stage									Flowers	1-3"	0.5-2"	3-4"	1-4"	1-6"
Weed Density, Unit									36 YD2	117 YD2	675 YD2	675 YD2	25 YD2	675 YD2
Assessed By									WGJ+MK	WGJ+MK	GN+WGJ+GK	GN+VM	GN+VM	GK+GN
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
8	V10204	0.106	LB A/A	2.83	OZ/A	FALB	A	202	100.0	100.0	95.0	90.0	85.0	90.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	604	100.0	100.0	45.0	15.0	5.0	0.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	701	90.0	100.0	18.0	0.0	0.0	0.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								96.7	100.0	52.7	35.0	30.0	30.0
9	V10204	0.159	LB A/A	4.24	OZ/A	FALB	A	203	100.0	100.0	98.0	92.0	95.0	88.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	406	100.0	100.0	35.0	35.0	76.0	5.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	702	97.0	100.0	10.0	0.0	0.0	0.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								99.0	100.0	47.7	42.3	57.0	31.0
10	V10204	0.186	LB A/A	4.96	OZ/A	FALB	A	204	100.0	100.0	93.0	78.0	65.0	75.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	405	100.0	100.0	40.0	15.0	50.0	0.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	805	100.0	100.0	45.0	10.0	10.0	0.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								100.0	100.0	59.3	34.3	41.7	25.0
11	V10204	0.213	LB A/A	5.7	OZ/A	FALB	A	205	100.0	100.0	83.0	80.0	90.0	85.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	501	100.0	100.0	75.0	35.0	85.0	45.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	803	97.0	100.0	23.0	0.0	0.0	0.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								99.0	100.0	60.3	38.3	58.3	43.3
12	VALORSX	0.064	LB A/A	2	OZ/A	FALB	A	206	100.0	100.0	100.0	96.0	95.0	93.0
	V10204	0.106	LB A/A	2.83	OZ/A	FALB	A	602	100.0	100.0	70.0	70.0	30.0	25.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	704	97.0	100.0	45.0	25.0	5.0	0.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A							
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								99.0	100.0	71.7	63.7	43.3	39.3
13	VALORSX	0.064	LB A/A	2	OZ/A	FALB	A	301	98.0	100.0	95.0	60.0	85.0	80.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	504	98.0	100.0	94.0	91.0	40.0	50.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	902	97.0	100.0	15.0	20.0	15.0	0.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								97.7	100.0	68.0	57.0	46.7	43.3
14	VALORSX	0.096	LB A/A	3	OZ/A	FALB	A	302	100.0	100.0	99.0	85.0	75.0	80.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A	502	100.0	99.0	95.0	90.0	35.0	60.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	801	95.0	100.0	35.0	5.0	2.0	5.0
	NIS	0.25	% V/V	0.25	% V/V	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								98.3	99.7	76.3	60.0	37.3	48.3
15	CanopyEX							303	100.0	100.0	100.0	99.0	100.0	95.0
	Classic	.0313	LB A/A	2	OZ/A	FALB	A	505	100.0	100.0	100.0	97.0	100.0	90.0
	Express	.0094	LB A/A	0.2	OZ/A	FALB	A	705	100.0	100.0	98.0	90.0	100.0	85.0
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A							
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A							
	Mean =								100.0	100.0	99.3	95.3	100.0	90.0
16	ROUNDUPO	0.95	LB A/A	22	OZ/A	FALB	A	304	100.0	98.0	25.0	5.0	5.0	10.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A	403	100.0	100.0	68.0	25.0	35.0	20.0
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A	901	95.0	100.0	10.0	0.0	0.0	0.0
	Mean =								98.3	99.3	34.3	10.0	13.3	10.0

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Weed Code									STEME	POANN	ERICA	ERICA	VERSS	ERICA
Crop Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Part Rated									PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Data Type									CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit									%	%	%	%	%	%
Rating Date									2/Apr/2007	2/Apr/2007	24/Apr/2007	8/May/2007	8/May/2007	29/May/2007
Weed Stage									Flowers	1-3"	0.5-2"	3-4"	1-4"	1-6"
Weed Density, Unit									36 YD2	117 YD2	675 YD2	675 YD2	25 YD2	675 YD2
Assessed By									WGJ+MK	WGJ+MK	GN+WGJ+GK	GN+VM	GN+VM	GK+GN
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
17	ROUNDUPO	0.95	LB A/A	22	OZ/A	SPRB	B	305	0.0	0.0	0.0	0.0	0.0	95.0
	2,4-D/ES	0.95	LB A/A	1	QT/A	SPRB	B	601	0.0	0.0	0.0	0.0	0.0	90.0
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	SPRB	B	906	0.0	0.0	0.0	0.0	0.0	90.0
								Mean =	0.0	0.0	0.0	0.0	0.0	91.7
18	ROUNDUPO	0.95	LB A/A	22	OZ/A	SPRB	B	306	0.0	0.0	0.0	0.0	0.0	95.0
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	SPRB	B	606	0.0	0.0	0.0	0.0	0.0	95.0
								802	0.0	0.0	0.0	0.0	0.0	60.0
								Mean =	0.0	0.0	0.0	0.0	0.0	83.3

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Weed Code							STEME	POANN	ERICA	ERICA	VERSS	ERICA	
Crop Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Part Rated							PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	
Rating Data Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	
Rating Unit							%	%	%	%	%	%	
Rating Date							2/Apr/2007	2/Apr/2007	24/Apr/2007	8/May/2007	8/May/2007	29/May/2007	
Weed Stage							Flowers	1-3"	0.5-2"	3-4"	1-4"	1-6"	
Weed Density, Unit							36 YD2	117 YD2	675 YD2	675 YD2	25 YD2	675 YD2	
Assessed By							WGJ+MK	WGJ+MK	GN+WGJ+GK	GN+VM	GN+VM	GK+GN	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
9	V10204	0.159	LB A/A	4.24	OZ/A	FALB	A	99.0 ab	100.0 a	47.7 bc	42.3 cd	57.0 b	31.0 cde
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
10	V10204	0.186	LB A/A	4.96	OZ/A	FALB	A	100.0 a	100.0 a	59.3 bc	34.3 cde	41.7 bc	25.0 cde
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
11	V10204	0.213	LB A/A	5.7	OZ/A	FALB	A	99.0 ab	100.0 a	60.3 bc	38.3 cd	58.3 b	43.3 cd
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
12	VALORSX	0.064	LB A/A	2	OZ/A	FALB	A	99.0 ab	100.0 a	71.7 ab	63.7 abc	43.3 bc	39.3 cd
	V10204	0.106	LB A/A	2.83	OZ/A	FALB	A						
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
13	VALORSX	0.064	LB A/A	2	OZ/A	FALB	A	97.7 ab	100.0 a	68.0 abc	57.0 c	46.7 bc	43.3 cd
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
14	VALORSX	0.096	LB A/A	3	OZ/A	FALB	A	98.3 ab	99.7 ab	76.3 ab	60.0 bc	37.3 bcd	48.3 bc
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	NIS	0.25	% V/V	0.25	% V/V	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
15	CanopyEX							100.0 a	100.0 a	99.3 a	95.3 ab	100.0 a	90.0 a
	Classic	.0313	LB A/A	2	OZ/A	FALB	A						
	Express	.0094	LB A/A	0.2	OZ/A	FALB	A						
	ROUNDUPO	0.473	LB A/A	11	OZ/A	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
16	ROUNDUPO	0.95	LB A/A	22	OZ/A	FALB	A	98.3 ab	99.3 ab	34.3 c	10.0 de	13.3 cd	10.0 de
	2,4-D/ES	0.95	LB A/A	1	QT/A	FALB	A						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	FALB	A						
17	ROUNDUPO	0.95	LB A/A	22	OZ/A	SPRB	B	0.0 c	0.0 c	0.0 d	0.0 e	0.0 d	91.7 a
	2,4-D/ES	0.95	LB A/A	1	QT/A	SPRB	B						
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	SPRB	B						
18	ROUNDUPO	0.95	LB A/A	22	OZ/A	SPRB	B	0.0 c	0.0 c	0.0 d	0.0 e	0.0 d	83.3 ab
	AMSULFAT	2.55	LB A/A	17	LB/100 GAL	SPRB	B						
LSD (P=.05)							4.27	0.87	33.98	37.19	37.59	37.96	
Standard Deviation							2.56	0.52	20.38	22.31	22.55	22.77	
CV							3.34	0.67	34.39	43.32	43.99	36.86	
Grand Mean							76.65	77.67	59.26	51.5	51.26	61.78	
Bartlett's X2							15.808	2.026	43.636	49.735	49.386	69.591	
P(Bartlett's X2)							0.045*	0.363	0.001*	0.001*	0.001*	0.001*	

Purdue University

Weed Code	STEME	POANN	ERICA	ERICA	VERSS	ERICA
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Part Rated	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P	PLAQUA P
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Rating Date	2/Apr/2007	2/Apr/2007	24/Apr/2007	8/May/2007	8/May/2007	29/May/2007
Weed Stage	Flowers	1-3"	0.5-2"	3-4"	1-4"	1-6"
Weed Density, Unit	36 YD2	117 YD2	675 YD2	675 YD2	25 YD2	675 YD2
Assessed By	WGJ+MK	WGJ+MK	GN+WGJ+GK	GN+VM	GN+VM	GK+GN
Replicate F	8.530	0.205	8.447	8.273	9.155	11.693
Replicate Prob(F)	0.0010	0.8158	0.0011	0.0012	0.0007	0.0001
Treatment F	812.705	20184.002	10.638	9.303	9.242	6.959
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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