

# Purdue University

Fall applied soybean herbicide evaluation at SEPAC

Trial ID: 05F-SEP-NTS-09  
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:** 47907  
**Investigator:** Dr. William G. Johnson **Title:** Associate Professor  
**Affiliation:** Purdue University  
**Postal Code:** 47907

## TRIAL LOCATION

**City:** Butlerville  
**State/Prov.:** IN  
**Postal Code:** 47223  
**Country:** USA  
**Unit:** feet  
**Directions:** Field S10

## 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 study is to evaluate the efficacy of fall applied herbicides for the control of winter annual and early emerging summer annual weed species prior to no-tillage soybean.

## CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	RANAB	Buttercup, smallflower	Ranunculus abortivus
2.	ERICA	horseweed	Erigerion canadensis
3.	SENGL	Cressleaf groundsel	Senecio glabellus
4.	POAAN	Annual bluegrass	Poa annua
5.	ALOCA	Carolina foxtail	Alopecurus carolinianus
6.	CERVU	Mouse-ear chickweed	Cerastium vulgatum
7.	PANDI	Fall panicum	Panicum dichotomiflorum

**Crop 1:** GLXMA SOYBEAN **Variety:** Asgrow 3802  
**Planting Date:** 24/May/2006 **Planting Method:** JD7000  
**Rate:** 150000 S/A **Depth:** 1.5 IN  
**Row Spacing:** 30 IN **Seed Bed:** no till  
**Soil Temperature:** 75 F **Soil Moisture:** moist

## SITE AND DESIGN

**Plot Width, Unit:** 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4  
**Site Type:** FIELD  
**Tillage Type:** NO-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

## SOIL DESCRIPTION

**% OM:** 1.3 **Texture:** SILT LOAM  
**pH:** 5.7 **Soil Name:** Clermont  
**CEC:** 5.5 **Fert. Level:** GOOD

## ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit
Phosphorus	29	ppm
Potassium	61	ppm
Calcium	833	ppm
Magnesium	140	ppm

**Closest Weather Station:** ON SITE

**Distance:** 0.5 **Unit:** MI

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## APPLICATION DESCRIPTION

	A	B	C
Application Date:	3/Nov/2005	26/Apr/2006	3/May/2006
Time of Day:	8:00 am	12:30PM	5:30 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	Fall	14d EPP	7dEPP
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	55 F	60 F	78 F
% Relative Humidity:	66	75	72
Wind Velocity, Unit:	5.5 MPH	7 MPH	calm
Dew Presence (Y/N):	N	N	N
Water Hardness:	Very Hard	Very Hard	Very Hard
Soil Temp., Unit:	48 F	45 F	67 F
Soil Moisture:	Moist	Moist	Wet
% Cloud Cover:	30	0	30

## CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA	GLXMA	GLXMA
Stage Scale:	NA	NA	NA

## WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	RANAB 3"	RANAB 9-16"	RANAB 9-16"
Stage Scale:	rosette	flowering	flowering
Density, Unit:	100 YD2	30 YD2	30 YD2
Weed 2 Code, Stage:	ERICA 1-2"	ERICA 0.5-3"	ERICA 1-6"
Stage Scale:	rosette	rosette	bolting
Density, Unit:	30 YD2	60 YD2	60 YD2
Weed 3 Code, Stage:	SENGL 3"	SENGL 12-16"	SENGL 12-30"
Stage Scale:	rosette	flowering	flowering
Density, Unit:	1 YD2	3 YD2	3 YD2
Weed 4 Code, Stage:	POAAN	POAAN 4-8"	POAAN 8-12"
Stage Scale:		flowering	flowering
Density, Unit:		<1 YD2	<1 YD2
Weed 5 Code, Stage:	ALOCA	ALOCA 4-10"	ALOCA 4-10"
Stage Scale:		flowering	flowering
Density, Unit:		50 YD2	50 YD2
Weed 6 Code, Stage:	CERVU	CERVU	CERVU
Weed 7 Code, Stage:	PANDI	PANDI	PANDI

## APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	BackPack	Backpack	Backpack
Operating Pressure:	27 psi	20 psi	15 psi
Nozzle Type:	XR	XR	XR
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	15 in	15 in
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Incorporation Equip.:	None	None	None
Hours to Incorp.:	0	0	0
Incorp. Depth, Unit:	0 IN	0 IN	0 IN
Carrier:	H2O	H2O	H2O
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2

Trial Comments

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## Fall applied soybean herbicide evaluation at SEPAC

Trial ID: 05F-SEP-NTS-09  
 Location: SEPAC

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

								RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB	
								EFF	EFF	EFF	EFF	EFF	EFF	
								%	%	%	%	%	%	
								28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006	
								3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"	
								75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2	
								EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
1	Non-treated check							101	0	0	0	0	0	0
								505	0	0	0	0	0	0
								609	0	0	0	0	0	0
								1010	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD	A	102	100	100	100	100	99	100
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD	A	411	100	100	100	100	98	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	804	100	100	100	100	100	100
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	901	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	100	100	99	100
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD	A	103	100	100	100	100	100	100
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD	A	401	100	100	100	100	100	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	706	100	100	100	100	99	100
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	904	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	100	100	100	100
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	104	100	100	100	100	95	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	506	100	100	100	100	100	100
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	610	100	100	100	100	99	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	909	100	100	99	100	95	100
								Mean =	100	100	100	100	97	100
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	105	100	100	100	100	100	100
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD	A	312	100	100	100	100	70	98
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	704	100	100	100	100	100	100
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	905	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	100	100	93	100
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	106	100	100	95	100	98	100
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD	A	310	100	100	90	100	40	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	712	98	100	50	100	60	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	810	100	100	90	100	40	100
								Mean =	100	100	81	100	60	100
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD	A	107	100	100	100	100	100	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	408	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	708	100	100	100	100	98	0
	NIS	0.125	% V/V	0.125	% V/V	FALLBD	A	1006	100	100	99	100	98	100
								Mean =	100	100	100	100	99	75
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD	A	108	100	100	100	100	100	100
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD	A	502	100	100	100	100	100	100
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	606	100	100	100	100	97	100
	COC	1	% V/V	1	% V/V	FALLBD	A	1004	100	100	100	100	100	100
								Mean =	100	100	100	100	99	100
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD	A	109	100	100	98	100	98	100
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD	A	308	100	100	100	100	100	100
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	603	100	100	100	100	100	100
	COC	1	% V/V	1	% V/V	FALLBD	A	1012	100	100	95	100	95	100
								Mean =	100	100	98	100	98	100

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Weed Code									RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"
Weed Density, Unit									75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2
Assessed By									EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN
Tri	Treatment	Rate	Product	Product	Grow	Appl	Plot	1	2	3	4	5	6	
No.	Name	Rate	Unit	Rate	Unit	Stg	Code							
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	110	100	100	98	100	95	100
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A	406	100	100	99	100	95	100
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	805	100	100	100	100	100	100
	COC	1	% V/V	1	% V/V	FALLBD	A	807	100	100	100	100	100	100
								Mean =	100	100	99	100	98	100
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	111	100	100	100	100	95	80
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	501	100	100	100	100	100	100
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	604	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	1009	100	100	100	100	99	100
								Mean =	100	100	100	100	99	95
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	112	100	100	99	95	100	100
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	402	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	710	100	100	100	100	97	90
								808	100	100	100	100	100	99
								Mean =	100	100	100	99	99	97
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	201	100	100	100	98	98	98
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	403	100	100	100	100	95	95
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	612	100	100	100	100	97	97
								812	99	100	99	100	95	90
								Mean =	100	100	100	100	96	95
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	202	10	50	10	10	0	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	508	50	50	80	80	50	50
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	701	50	100	25	50	10	50
								1008	97	97	97	97	70	50
								Mean =	52	74	53	59	33	38
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	203	50	10	10	30	0	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	507	0	0	0	0	0	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	702	95	50	50	50	20	75
								908	97	97	95	98	50	90
								Mean =	61	39	39	45	18	41
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	204	100	100	80	100	40	80
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	410	90	100	80	100	50	50
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	605	100	100	95	100	80	95
								1007	80	90	80	100	25	30
								Mean =	93	98	84	100	49	64
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	205	100	100	100	100	97	100
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	512	98	100	70	100	60	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	801	100	100	100	100	98	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	811	99	100	99	100	90	100
								Mean =	99	100	92	100	86	100
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	206	100	100	100	100	98	100
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	509	100	100	100	100	98	99
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A	802	100	100	100	100	100	95
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	1001	100	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	100	100	99	99

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Weed Code									RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"
Weed Density, Unit									75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2
Assessed By									EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN
Tri	Treatment	Rate	Product	Product	Grow	Appl	Plot		1	2	3	4	5	6
No.	Name	Rate	Unit	Rate	Rate	Unit	Stg	Code						
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	207	100	100	70	95	30	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	407	100	100	95	98	75	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	711	100	100	20	98	10	100
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	809	100	100	75	97	25	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
	Mean =								100	100	65	97	35	100
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	208	100	100	70	95	30	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	511	100	100	10	75	0	100
	Gangster			2.4	OZ/A	7 d EPP	C	803	100	100	100	100	90	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1003	100	100	97	100	80	100
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C								
Mean =								100	100	69	93	50	100	
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	209	100	100	85	95	30	100
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	405	100	100	95	100	75	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	703	100	100	95	100	80	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1011	100	100	80	100	60	100
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
Mean =								100	100	89	99	61	100	
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	210	100	100	80	98	20	95
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	311	100	100	95	98	100	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	707	100	100	99	100	90	100
	Gangster			2.4	OZ/A	7 d EPP	C	911	100	100	95	100	45	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C								
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C								
Mean =								100	100	92	99	64	99	
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A	211	70	70	70	70	10	0
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	510	95	100	25	100	10	80
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	601	85	100	90	100	70	70
								910	90	100	80	100	30	25
Mean =								85	93	66	93	30	44	
24	Gangster			3.0	OZ/A	14d EPP	B	212	0	0	0	0	0	0
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B	504	0	0	50	0	30	0
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B	709	60	100	95	90	60	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B	902	70	100	45	70	25	50
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B							
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
Mean =								33	50	48	40	29	13	

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									RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB
									EFF	EFF	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006
									3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"
									75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2
									EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN
Trt	Treatment	Rate	Product	Product	Grow	Appl			1	2	3	4	5	6
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code	Plot						
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	301	100	100	100	100	90	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	409	100	100	98	100	85	95
								806	100	100	100	100	100	100
								1002	100	100	99	100	95	97
								Mean =	100	100	99	100	93	98
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	302	100	100	100	100	98	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	309	100	100	98	100	90	100
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	607	100	100	100	100	90	100
								912	100	100	100	100	90	100
								Mean =	100	100	100	100	92	100
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	303	10	10	10	10	0	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	412	20	0	0	0	0	0
								602	100	100	90	100	50	90
								1005	80	70	95	80	50	50
								Mean =	53	45	49	48	25	35
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	304	0	0	0	0	0	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B	503	0	0	0	0	0	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	611	90	75	95	95	50	10
								903	95	100	96	95	88	75
								Mean =	46	44	48	48	35	21
29	Non-Treated check							305	0	0	0	0	0	0
								307	0	0	0	0	0	0
								608	0	0	0	0	0	0
								906	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
30	Non-Treated check							306	0	0	0	0	0	0
								404	0	0	0	0	0	0
								705	0	0	0	0	0	0
								907	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

# Purdue University

Weed Code									SENGL	CERVU	ERICA	ERICA	PANDI	ERICA
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									12-20"	4-6"	1"rosett	col-6"	.5-3in	1-6"
Weed Density, Unit									1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2
Assessed By									EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
1	Non-treated check							101	0	0	0	0	0	0
								505	0	0	0	0	0	0
								609	0	0	0	0	0	0
								1010	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD	A	102	100	100	0	10	0	20
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD	A	411	100	100	95	0	0	70
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	804	100	100	100	90	60	85
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	901	100	100	100	80	73	80
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	74	45	33	64
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD	A	103	100	100	0	5	30	0
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD	A	401	100	100	100	87	7	85
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	706	100	100	100	70	0	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	904	100	100	90	45	50	30
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	73	52	22	29
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	104	100	100	70	20	0	60
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	506	100	100	95	0	0	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	610	100	100	85	0	3	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	909	90	100	50	15	60	0
								Mean =	98	100	75	9	16	15
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	105	100	100	90	45	50	60
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD	A	312	100	100	60	40	65	75
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	704	100	100	90	50	55	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	905	100	100	50	10	85	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
								Mean =	100	100	73	36	64	34
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	106	100	100	80	47	15	60
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD	A	310	100	100	50	0	2	85
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	712	100	100	100	0	0	20
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	810	100	100	75	0	0	15
								Mean =	100	100	76	12	4	45
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD	A	107	100	100	10	25	3	50
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	408	100	100	75	65	7	90
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	708	100	100	40	23	25	0
	NIS	0.125	% V/V	0.125	% V/V	FALLBD	A	1006	100	100	0	0	3	0
								Mean =	100	100	31	28	10	35
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD	A	108	100	100	100	95	77	100
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD	A	502	100	100	100	100	80	100
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	606	100	100	100	98	50	100
	COC	1	% V/V	1	% V/V	FALLBD	A	1004	100	100	100	98	85	95
								Mean =	100	100	100	98	73	99
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD	A	109	100	100	98	97	75	95
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD	A	308	100	100	100	100	5	0
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	603	100	100	100	100	85	100
	COC	1	% V/V	1	% V/V	FALLBD	A	1012	100	100	100	100	75	85
								Mean =	100	100	100	99	60	70

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Weed Code									SENGL	CERVU	ERICA	ERICA	PANDI	ERICA
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									12-20"	4-6"	1"rosett	cot-6"	.5-3in	1-6"
Weed Density, Unit									1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2
Assessed By									EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW
Tri	Treatment	Rate	Product	Product	Grow	Appl	Plot		7	8	9	10	11	12
No.	Name	Rate	Unit	Rate	Rate	Unit	Stg	Code						
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	110	100	100	90	80	15	90
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A	406	100	100	100	85	20	90
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	805	100	100	100	95	50	90
	COC	1	% V/V	1	% V/V	FALLBD	A	807	100	100	100	95	19	95
	Mean =								100	100	98	89	26	91
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	111	100	90	0	25	7	30
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	501	100	100	100	95	55	90
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	604	100	100	100	100	10	70
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	1009	100	100	90	5	8	0
	Mean =								100	98	73	56	20	48
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	112	100	100	95	15	0	20
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	402	100	100	95	40	0	85
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	710	100	100	80	0	0	0
								808	100	100	50	15	30	60
	Mean =								100	100	80	18	8	41
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	201	100	100	80	65	27	95
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	403	100	100	90	75	0	85
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	612	100	100	50	17	0	0
								812	100	100	60	0	0	20
	Mean =								100	100	70	39	7	50
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	202	0	0	0	98	100	100
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	508	50	100	100	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	701	100	50	100	100	100	95
								1008	100	70	50	98	100	100
	Mean =								63	55	63	99	100	99
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	203	0	0	0	100	100	100
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	507	0	0	0	100	98	95
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	702	80	60	95	100	100	100
								908	0	100	50	100	100	75
	Mean =								20	40	36	100	100	93
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	204	100	100	100	90	75	95
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	410	100	100	100	35	0	90
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	605	100	100	100	85	17	25
								1007	90	100	95	65	35	0
	Mean =								98	100	99	69	32	53
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	205	100	100	100	87	23	90
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	512	100	100	100	40	2	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	801	100	100	100	95	50	35
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	811	100	100	100	0	0	20
	Mean =								100	100	100	56	19	36
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	206	100	100	98	80	23	90
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	509	100	100	100	45	35	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A	802	100	100	100	95	20	20
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	1001	100	100	95	25	30	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
	Mean =								100	100	98	61	27	28

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									SENGL	CERVU	ERICA	ERICA	PANDI	ERICA
									EFF	EFF	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006
									12-20"	4-6"	1"rosett	cot-6"	.5-3in	1-6"
									1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2
									EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW
Tri	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	207	100	100	100	100	100	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	407	100	75	100	100	100	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	711	100	100	100	100	100	98
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	809	100	90	60	100	100	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
	Mean =									100	91	90	100	100
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	208	100	90	95	100	100	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	511	100	70	100	100	100	100
	Gangster			2.4	OZ/A	7 d EPP	C	803	100	100	90	100	100	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1003	100	95	100	100	100	100
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C								
Mean =									100	89	96	100	100	100
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	209	100	100	90	100	100	99
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	405	100	100	100	100	100	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	703	100	100	98	100	100	95
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1011	100	100	100	100	100	100
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
Mean =									100	100	97	100	100	99
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	210	100	100	100	100	100	100
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	311	100	100	60	100	100	100
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	707	100	100	100	100	97	100
	Gangster			2.4	OZ/A	7 d EPP	C	911	100	100	75	100	100	100
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C								
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C								
Mean =									100	100	84	100	99	100
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A	211	100	100	100	75	55	85
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	510	100	100	100	76	55	80
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	601	100	100	100	95	25	20
								910	100	100	100	25	45	70
Mean =									100	100	100	68	45	64
24	Gangster			3.0	OZ/A	14d EPP	B	212	0	0	0	100	100	100
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B	504	0	100	100	100	98	100
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B	709	100	100	100	100	100	100
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B	902	100	95	95	100	100	100
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B							
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
Mean =									50	74	74	100	100	100

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									SENGL	CERVU	ERICA	ERICA	PANDI	ERICA
									EFF	EFF	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006
									12-20"	4-6"	1"rosett	cot-6"	.5-3in	1-6"
									1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2
									EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	301	100	100	100	95	17	98
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	409	100	100	90	40	0	90
								806	100	100	100	75	0	90
								1002	100	97	75	15	15	0
		Mean =							100	99	91	56	8	70
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	302	100	100	100	50	3	98
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	309	100	100	0	0	0	85
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	607	100	100	50	76	15	90
								912	100	100	20	0	0	0
		Mean =							100	100	43	32	5	68
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	303	0	0	0	100	100	90
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	412	0	0	0	50	85	70
								602	100	95	100	100	97	90
								1005	45	50	60	93	98	70
		Mean =							36	36	40	86	95	80
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	304	0	0	0	98	100	95
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B	503	0	0	0	90	100	85
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	611	100	70	100	100	100	90
								903	100	85	98	100	100	90
		Mean =							50	39	50	97	100	90
29	Non-Treated check							305	0	0	0	0	0	0
								307	0	0	0	0	0	0
								608	0	0	0	0	0	0
								906	100	0	0	0	0	0
		Mean =							25	0	0	0	0	0
30	Non-Treated check							306	0	0	0	0	0	0
								404	0	0	0	90	15	0
								705	0	0	0	0	0	0
								907	0	0	0	0	0	0
		Mean =							0	0	0	23	4	0

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By								PANDI	GLXMA
								EFF %	Crop Injury %
								6/Jun/2006	6/Jun/2006
								1-6"	VE 1-3"
								250 YD2	GK + AW
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code Plot	13	14
1	Non-treated check						101 505 609 1010	0 0 0 0	0 0 0 0
							Mean =	0	0
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD A	102	0	0
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD A	411	0	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD A	804	45	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD A	901	65	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A			
							Mean =	28	0
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD A	103	25	0
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD A	401	10	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD A	706	0	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD A	904	30	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A			
							Mean =	16	0
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD A	104	10	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD A	506	0	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD A	610	0	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A	909	50	0
							Mean =	15	0
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD A	105	50	0
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD A	312	50	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD A	704	70	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD A	905	65	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A			
							Mean =	59	0
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD A	106	0	0
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD A	310	5	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A	712	25	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD A	810	20	0
							Mean =	13	0
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD A	107	10	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD A	408	20	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD A	708	25	0
	NIS	0.125	% V/V	0.125	% V/V	FALLBD A	1006	0	0
							Mean =	14	0
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD A	108	87	0
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD A	502	30	0
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD A	606	80	0
	COC	1	% V/V	1	% V/V	FALLBD A	1004	70	0
							Mean =	67	0
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD A	109	70	0
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD A	308	95	0
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD A	603	80	0
	COC	1	% V/V	1	% V/V	FALLBD A	1012	75	0
							Mean =	80	0

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								PANDI		
								EFF	GLXMA	
								%	Crop Injury	
								6/Jun/2006	6/Jun/2006	
										VE
										1-3"
										1-6"
										250 YD2
										GK + AW
										GK + AW
Trt No.	Treatment Name	Rate	Product Unit	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	13	14
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	110	10	0
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A	406	40	0
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	805	25	0
	COC	1	% V/V	1	% V/V	FALLBD	A	807	35	0
								Mean =	28	0
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	111	15	0
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	501	20	0
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	604	40	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	1009	20	0
								Mean =	24	0
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	112	20	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	402	15	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	710	0	0
								808	20	0
								Mean =	14	0
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	201	25	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	403	0	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	612	15	0
								812	20	0
								Mean =	15	0
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	202	95	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	508	90	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	701	95	0
								1008	95	0
								Mean =	94	0
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	203	95	0
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	507	98	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	702	98	0
								908	95	0
								Mean =	97	0
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	204	65	0
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	410	10	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	605	40	0
								1007	0	0
								Mean =	29	0
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	205	30	0
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	512	0	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	801	40	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	811	15	0
								Mean =	21	0
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	206	40	0
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	509	25	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A	802	0	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	1001	25	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A			0
								Mean =	23	0

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								PANDI	GLXMA	
								EFF	Crop Injury	
								%	%	
								6/Jun/2006	6/Jun/2006	
									VE	
									1-3"	
								1-6"		
								250 YD2		
								GK + AW	GK + AW	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	207	98	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	407	98	0
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	711	98	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	809	98	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C			
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C			
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C			
	Mean =								98	0
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	208	99	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	511	98	0
	Gangster			2.4	OZ/A	7 d EPP	C	803	99	0
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1003	98	0
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C			
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C			
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C			
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C			
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C				
Mean =								99	0	
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	209	99	0
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	405	98	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	703	98	0
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	1011	98	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C			
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C			
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C			
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C			
Mean =								98	0	
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	210	99	0
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	311	98	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	707	98	0
	Gangster			2.4	OZ/A	7 d EPP	C	911	98	0
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C			
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C			
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C			
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C			
NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C				
AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C				
Mean =								98	0	
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A	211	25	0
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	510	30	0
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	601	15	0
								910	50	0
Mean =								30	0	
24	Gangster			3.0	OZ/A	14d EPP	B	212	99	0
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B	504	98	0
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B	709	98	0
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B	902	98	0
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B			
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B			
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B			
Mean =								98	0	

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									PANDI	GLXMA
									EFF	Crop Injury
									%	%
									6/Jun/2006	6/Jun/2006
									1-6"	VE
									250 YD2	1-3"
									GK + AW	GK + AW
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	301	20	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	409	10	0
								806	0	0
								1002	0	0
								Mean =	8	0
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	302	15	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	309	0	0
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	607	40	0
								912	50	0
								Mean =	26	0
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	303	85	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	412	75	0
								602	95	0
								1005	90	0
								Mean =	86	0
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	304	95	0
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B	503	85	0
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	611	95	0
								903	95	0
								Mean =	93	0
29	Non-Treated check							305	0	0
								307	0	0
								608	0	0
								906	0	0
								Mean =	0	0
30	Non-Treated check							306	0	0
								404	0	0
								705	0	0
								907	0	0
								Mean =	0	0

# Purdue University

## Fall applied soybean herbicide evaluation at SEPAC

Trial ID: 05F-SEP-NTS-09  
Location: SEPAC

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

Weed Code								RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB
Crop Code													
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit								%	%	%	%	%	%
Rating Date								28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006
Crop Stage													
Crop Stage Scale													
Weed Stage								3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"
Weed Density, Unit								75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2
Assessed By								EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	Non-treated check							0 d	0 e	0 f	0 c	0 h	0 f
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	99 a	100 a
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD	A						
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	100 a	100 a
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD	A						
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	100 a	100 a	100 ab	100 a	97 a	100 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	93 a	100 a
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD	A						
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	100 a	100 a	81 a-d	100 a	60 b-e	100 a
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD	A	100 a	100 a	100 ab	100 a	99 a	75 ab
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
	NIS	0.125	% V/V	0.125	% V/V	FALLBD	A						
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	99 a	100 a
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD	A						
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A						
	COC	1	% V/V	1	% V/V	FALLBD	A						
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD	A	100 a	100 a	98 ab	100 a	98 a	100 a
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD	A						
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A						
	COC	1	% V/V	1	% V/V	FALLBD	A						
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	100 a	100 a	99 ab	100 a	98 a	100 a
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A						
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A						
	COC	1	% V/V	1	% V/V	FALLBD	A						
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	99 a	95 a
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A						
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						

## Purdue University

Weed Code							RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB	
Crop Code													
Rating Data Type							EFF						
Rating Unit							%	%	%	%	%	%	%
Rating Date							28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006	26/Apr/2006
Crop Stage													
Crop Stage Scale													
Weed Stage							3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"	
Weed Density, Unit							75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2	
Assessed By							EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN	
Tri No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	100 a	100 a	100 ab	99 a	99 a	97 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	100 a	100 a	100 ab	100 a	96 a	95 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	52 bc	74 bc	53 de	59 b	33 efg	38 cde
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B						
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B						
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	61 b	39 d	39 e	45 b	18 gh	41 cd
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B						
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B						
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	93 a	98 ab	84 abc	100 a	49 c-f	64 bc
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	99 a	100 a	92 abc	100 a	86 ab	100 a
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A						
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	100 a	100 a	100 a	100 a	99 a	99 a
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	100 a	100 a	65 cde	97 a	35 d-g	100 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C						
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C						
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C						
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	100 a	100 a	69 b-e	93 a	50 c-f	100 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
	Gangster			2.4	OZ/A	7 d EPP	C						
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C						
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C						
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C						
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C						
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	100 a	100 a	89 abc	99 a	61 bcd	100 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C						
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C						
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C						

## Purdue University

Weed Code							RANAB	SENGL	ALOCA	CERVU	ALOCA	RANAB	
Crop Code													
Rating Data Type							EFF						
Rating Unit							%	%	%	%	%	%	%
Rating Date							28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	26/Apr/2006	26/Apr/2006	26/Apr/2006
Crop Stage													
Crop Stage Scale													
Weed Stage							3-4"rose	3-4"rose	1-2"tall	1"rosett	5-10"	6-10"	
Weed Density, Unit							75 YD2	1 YD2	75 YD2	5 YD2	20 YD2	10 YD2	
Assessed By							EC and AW	EC and AW	EC and AW	EC and AW	EC and GN	EC and GN	
Tri	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	100 a	100 a	92 abc	99 a	64 bc	99 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
	Gangster			2.4	OZ/A	7 d EPP	C						
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C						
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C						
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C						
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C						
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A	85 a	93 ab	66 cde	93 a	30 fg	44 cd
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A						
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A						
24	Gangster			3.0	OZ/A	14d EPP	B	33 c	50 cd	48 e	40 b	29 fg	13 ef
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B						
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B						
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B						
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B						
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B						
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B						
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	100 a	100 a	99 ab	100 a	93 a	98 a
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	100 a	100 a	100 ab	100 a	92 a	100 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A						
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A						
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	53 bc	45 d	49 e	48 b	25 fgh	35 de
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B						
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	46 bc	44 d	48 e	48 b	35 d-g	21 def
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B						
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B						
29	Non-Treated check							0 d	0 e	0 f	0 c	0 h	0 f
30	Non-Treated check							0 d	0 e	0 f	0 c	0 h	0 f
LSD (P=.05)							24.2	25.6	30.5	25.7	27.4	27.7	
Standard Deviation							17.1	18.1	21.6	18.1	19.4	19.6	
CV							21.2	22.28	28.54	22.52	30.06	26.56	
Grand Mean							80.65	81.41	75.66	80.56	64.43	73.73	
Bartlett's X2							67.989	14.854	164.73	82.866	155.563	76.872	
P(Bartlett's X2)							0.001*	0.021*	0.001*	0.001*	0.001*	0.001*	
Replicate F							4.569	5.273	3.579	5.146	3.406	1.496	
Replicate Prob(F)							0.0051	0.0022	0.0171	0.0025	0.0211	0.2213	
Treatment F							15.400	13.726	9.013	13.685	13.794	14.353	
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)

# Purdue University

Weed Code							SENGL	CERVU	ERICA	ERICA	PANDI	ERICA	PANDI	
Crop Code														
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006	6/Jun/2006	
Crop Stage														
Crop Stage Scale														
Weed Stage							12-20"	4-6"	1"rosett	col-6"	5-3in	1-6"	1-6"	
Weed Density, Unit							1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2	250 YD2	
Assessed By							EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW	GK + AW	
Tri	Treatment	Rate	Product	Product	Grow	Appl	7	8	9	10	11	12	13	
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code							
1	Non-treated check							0 d	0 e	0 g	0 i	0 j	0 g	0 f
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD	A	100 a	100 a	74 a-e	45 d-g	33 ef	64 a-e	28 d
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD	A							
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD	A	100 a	100 a	73 a-e	52 c-f	22 f-j	29 efg	16 def
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD	A							
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	98 a	100 a	75 a-e	9 hi	16 f-j	15 fg	15 def
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	100 a	100 a	73 a-e	36 d-h	64 cd	34 d-g	59 c
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD	A							
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	100 a	100 a	76 a-d	12 ghi	4 hij	45 c-f	13 def
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD	A	100 a	100 a	31 fg	28 e-i	10 g-j	35 d-g	14 def
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
	NIS	0.125	% V/V	0.125	% V/V	FALLBD	A							
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD	A	100 a	100 a	100 a	98 a	73 bc	99 a	67 bc
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD	A							
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A							
	COC	1	% V/V	1	% V/V	FALLBD	A							
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD	A	100 a	100 a	100 a	99 a	60 cd	70 a-d	80 ab
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD	A							
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A							
	COC	1	% V/V	1	% V/V	FALLBD	A							
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	100 a	100 a	98 a	89 ab	26 e-i	91 ab	28 d
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A							
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A							
	COC	1	% V/V	1	% V/V	FALLBD	A							
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	100 a	98 ab	73 a-e	56 b-f	20 f-j	48 c-f	24 de
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A							
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	100 a	100 a	80 abc	18 ghi	8 hij	41 c-f	14 def
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							

# Purdue University

Weed Code							SENGL	CERVU	ERICA	ERICA	PANDI	ERICA	PANDI	
Crop Code							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Data Type							%	%	%	%	%	%	%	
Rating Unit							26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006	6/Jun/2006	
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage							12-20"	4-6"	1"rosett	col-6"	5-3in	1-6"	1-6"	
Weed Density, Unit							1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2	250 YD2	
Assessed By							EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW	GK + AW	
Tri No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12	13
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	100 a	100 a	70 a-f	39 d-h	7 hij	50 c-f	15 def
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	63 b	55 cd	63 a-f	99 a	100 a	99 a	94 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	20 cd	40 d	36 efg	100 a	100 a	93 a	97 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	98 a	100 a	99 a	69 a-d	32 efg	53 b-f	29 d
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	100 a	100 a	100 a	56 b-f	19 f-j	36 d-g	21 de
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A							
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	100 a	100 a	98 a	61 b-e	27 e-h	28 efg	23 de
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	100 a	91 ab	90 a	100 a	100 a	100 a	98 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	100 a	89 ab	96 a	100 a	100 a	100 a	99 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
	Gangster			2.4	OZ/A	7 d EPP	C							
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	100 a	100 a	97 a	100 a	100 a	99 a	98 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							

# Purdue University

Weed Code							SENGL	CERVU	ERICA	ERICA	PANDI	ERICA	PANDI	
Crop Code														
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							26/Apr/2006	26/Apr/2006	26/Apr/2006	17/May/2006	17/May/2006	6/Jun/2006	6/Jun/2006	
Crop Stage														
Crop Stage Scale														
Weed Stage							12-20"	4-6"	1"rosett	col-6"	5-3in	1-6"	1-6"	
Weed Density, Unit							1 YD2	2 YD2	50 YD2	200 YD2	200 YD2	100 YD2	250 YD2	
Assessed By							EC and GN	EC and GN	EC and GN	VMD + VAM	VMD + VAM	GK + AW	GK + AW	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12	13
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	100 a	100 a	84 ab	100 a	99 a	100 a	98 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
	Gangster			2.4	OZ/A	7 d EPP	C							
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C							
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C							
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C							
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C							
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A	100 a	100 a	100 a	68 a-d	45 de	64 a-e	30 d
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A							
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A							
24	Gangster			3.0	OZ/A	14d EPP	B	50 bc	74 bc	74 a-e	100 a	100 a	100 a	98 a
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B							
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B							
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B							
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B							
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	100 a	99 ab	91 a	56 b-f	8 hij	70 a-d	8 ef
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	100 a	100 a	43 c-f	32 e-i	5 hij	68 a-d	26 de
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A							
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A							
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	36 bc	36 d	40 def	86 abc	95 ab	80 abc	86 a
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B	50 bc	39 d	50 b-f	97 a	100 a	90 ab	93 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B							
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B							
29	Non-Treated check							25 cd	0 e	0 g	0 i	0 j	0 g	0 f
30	Non-Treated check							0 d	0 e	0 g	23 f-i	4 ij	0 g	0 f
LSD (P=.05)							30.3	26.0	39.2	34.2	23.1	39.5	19.3	
Standard Deviation							21.4	18.4	27.7	24.2	16.3	27.9	13.6	
CV							26.35	22.78	39.93	39.77	35.68	46.57	29.92	
Grand Mean							81.29	80.68	69.35	60.86	45.78	59.9	45.57	
Bartlett's X2							20.876	33.645	84.201	67.02	71.937	84.472	103.934	
P(Bartlett's X2)							0.004*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	
Replicate F							4.494	3.733	4.470	3.417	1.684	5.081	2.548	
Replicate Prob(F)							0.0056	0.0141	0.0057	0.0209	0.1763	0.0027	0.0611	
Treatment F							9.624	13.532	5.050	8.381	23.830	5.687	30.516	
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, LSD)

## Purdue University

Tri	Treatment	Rate	Rate	Product	Product	Grow	Appl	
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code	14
	Weed Code							GLXMA
	Crop Code							Crop Injury
	Rating Data Type							%
	Rating Unit							6/Jun/2006
	Rating Date							VE
	Crop Stage							1-3"
	Crop Stage Scale							
	Weed Stage							
	Weed Density, Unit							
	Assessed By							GK + AW
1	Non-treated check							0 a
2	Pursuit	0.0625	LB A/A	4	FL OZ/A	FALLBD	A	0 a
	Authority	0.2	LB A/A	4.27	OZ/A	FALLBD	A	
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
3	Pursuit	0.047	LB A/A	3	FL OZ/A	FALLBD	A	0 a
	Authority	0.15	LB A/A	3.2	OZ/A	FALLBD	A	
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
4	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	0 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
5	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	0 a
	Prowl H2O	1.43	LB A/A	3	PT/A	FALLBD	A	
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
6	Scepter	0.122	LB A/A	2.8	OZ/A	FALLBD	A	0 a
	Weedmaster	0.97	LB A/A	2	PT/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
7	Extreme	0.814	LB A/A	3	PTS/A	FALLBD	A	0 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
	NIS	0.125	% V/V	0.125	% V/V	FALLBD	A	
8	Classic	0.5	OZ A/A	2	OZ/A	FALLBD	A	0 a
	Express	0.15	OZ A/A	0.2	OZ/A	FALLBD	A	
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	
	COC	1	% V/V	1	% V/V	FALLBD	A	
9	Classic	0.375	OZ A/A	1.5	OZ/A	FALLBD	A	0 a
	Express	0.113	OZ A/A	0.15	OZ/A	FALLBD	A	
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	
	COC	1	% V/V	1	% V/V	FALLBD	A	
10	Classic	0.25	OZ A/A	1	OZ/A	FALLBD	A	0 a
	Express	0.075	OZ A/A	0.1	OZ/A	FALLBD	A	
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	
	COC	1	% V/V	1	% V/V	FALLBD	A	
11	Valor	1	OZ A/A	1.96	OZ/A	FALLBD	A	0 a
	2,4-D Ester	8	OZ A/A	1	PT/A	FALLBD	A	
	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
12	A14972A	1.32	LB A/A	2	PT/A	FALLBD	A	0 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	

# Purdue University

Weed Code								GLXMA
Crop Code								Crop Injury
Rating Data Type								%
Rating Unit								6/Jun/2006
Rating Date								VE
Crop Stage								1-3"
Crop Stage Scale								
Weed Stage								
Weed Density, Unit								
Assessed By								GK + AW
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Unit	Grow Stg	Appl Code	14
13	A14972A	1.65	LB A/A	2.5	PT/A	FALLBD	A	0 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
14	A14972A	1.32	LB A/A	2	PT/A	14d EPP	B	0 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	
15	A14972A	1.65	LB A/A	2.5	PT/A	14d EPP	B	0 a
	Touchdown Total	0.554	LB AE/A	17	FL OZ/A	14d EPP	B	
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B	
16	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	0 a
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A	
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
17	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	0 a
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A	
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
18	Valor	0.048	LB A/A	1.5	OZ/A	FALLBD	A	0 a
	Scepter	0.0656	LB A/A	1.5	OZ/A	FALLBD	A	
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	FALLBD	A	
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A	
19	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	0 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C	
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C	
20	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	0 a
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
	Gangster			2.4	OZ/A	7 d EPP	C	
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C	
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C	
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C	
21	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A	0 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A	
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A	
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C	
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C	
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C	
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C	

## Purdue University

Weed Code									GLXMA
Crop Code									Crop Injury
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Crop Stage									1-3"
Crop Stage Scale									
Weed Stage									
Weed Density, Unit									
Assessed By									GK + AW
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Unit	Grow Stg	Appl Code		14
22	Valor	0.032	LB A/A	1	OZ/A	FALLBD	A		0 a
	2,4-D Ester	1	LB A/A	1	QT/A	FALLBD	A		
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A		
	Gangster			2.4	OZ/A	7 d EPP	C		
	Valor	0.064	LB A/A	2	OZ/A	7 d EPP	C		
	FirstRate	0.021	LB A/A	0.4	OZ/A	7 d EPP	C		
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	7 d EPP	C		
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	C		
	NIS	0.25	% V/V	0.25	% V/V	7 d EPP	C		
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	C		
23	Valor	0.064	LB A/A	2	OZ/A	FALLBD	A		0 a
	Clarity	0.25	LB A/A	8	FL OZ/A	FALLBD	A		
	NIS	0.25	% V/V	0.25	% V/V	FALLBD	A		
24	Gangster			3.0	OZ/A	14d EPP	B		0 a
	Valor	0.08	LB A/A	2.5	OZ/A	14d EPP	B		
	FirstRate	0.0262	LB A/A	0.5	OZ/A	14d EPP	B		
	Roundup OriginalMAX	0.387	LB AE/A	11	FL OZ/A	14d EPP	B		
	2,4-D (E99)	1.5	LB A/A	1	QT/A	14d EPP	B		
	NIS	0.25	% V/V	0.25	% V/V	14d EPP	B		
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B		
25	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A		0 a
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A		
26	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	FALLBD	A		0 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	FALLBD	A		
	AMS	2.5	LB A/A	2.5	LB/A	FALLBD	A		
27	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B		0 a
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B		
28	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	14d EPP	B		0 a
	2,4-D Ester	0.5	LB A/A	1	PT/A	14d EPP	B		
	AMS	2.5	LB A/A	2.5	LB/A	14d EPP	B		
29	Non-Treated check								0 a
30	Non-Treated check								0 a
LSD (P=.05)									0.0
Standard Deviation									0.0
CV									0.0
Grand Mean									0.0
Bartlett's X2									0.0
P(Bartlett's X2)									.
Replicate F									0.000
Replicate Prob(F)									1.0000
Treatment F									0.000
Treatment Prob(F)									1.0000

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