

Purdue University

No-till Roundup Ready Soybean Efficacy Study, Sales and Marketing Support

Trial ID: 06S-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
Directions: Block 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 experiment is to evaluate the benefits of including various other herbicides both pre and post emergence with the use of glyphosate in glyphosate-resistant soybeans.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	SENGL	Cressleaf groundsel	Senecio glabellus
2.	CERVU	Mouse-ear chickweed	Cerastium vulgatum
3.	ERICA	Horseweed	Erigeron canadensis
4.	ALOCA	Carolina foxtail	Alopecurus carolinianus
5.	RANAB	Smallflower buttercup	Ranunculus abortivus
6.	TAROF	Common dandelion	Taraxacum officinale
7.	PANDI	Fall panicum	Panicum dichotomiflorum
8.	SETFA	Giant foxtail	Setaria faberi

Crop 1: GLXMA SOYBEAN	Variety: Asgrow 3802
Planting Date: 24/May/2006	Planting Method: DIRECT DRILLED
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	Study Design: RANDOMIZED COMPLETE BLOCK	
Tillage Type: NO-TILL		

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
Phosphorous	29	ppm
Potassium	61	ppm
Calcium	833	ppm
Magnesium	140	ppm

Closest Weather Station: Located on the farm

Distance: 0.5 **Unit:** MI

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APPLICATION DESCRIPTION

	A	B	C
Application Date:	26/Apr/2006	31/May/2006	21/Jun/2006
Time of Day:	2:45PM	10:45 AM	10:20 AM
Application Method:	Backpack	Backpack	Backpack
Application Timing:	7dEPP	EAPOWE	LAPOWE
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	64 F	86 F	84 F
% Relative Humidity:	55	85	80
Wind Velocity, Unit:	5 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	68 F	74 F	79 F
Soil Moisture:	moist	moist	wet
% Cloud Cover:	0	75	80

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA	GLXMA	GLXMA
Stage Scale:		cotyledon	V3
Height, Unit:			7 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SENL	SENL	SENL
Stage Scale:	9-30"flow	flowering	mature
Density, Unit:	40 YD2	40 YD2	
Weed 2 Code, Stage:	CERVU	CERVU	CERVU
Stage Scale:	4-6" flow	mature	mature
Density, Unit:	20 YD2		
Weed 3 Code, Stage:	ERICA	ERICA	ERICA
Stage Scale:	1-4"boliti	5-10"	9-18"
Density, Unit:	120 YD2	80 YD2	80 YD2
Weed 4 Code, Stage:	ALOCA	ALOCA	ALOCA
Stage Scale:	6-8"flowe	6-8"flowe	mature
Density, Unit:	30 YD2	30 YD2	
Weed 5 Code, Stage:	RANAB	RANAB	RANAB
Stage Scale:	12-16"flw	mature	mature
Density, Unit:	20 YD2		
Weed 6 Code, Stage:	TAROF	TAROF	TAROF
Stage Scale:			rosette
Density, Unit:			10 YD2
Weed 7 Code, Stage:	PANDI	PANDI	PANDI
Stage Scale:		2"	4-16"
Density, Unit:		30 YD2	40 YD2
Weed 8 Code, Stage:	SETFA	SETFA	SETFA
Stage Scale:		2"	6-12"
Density, Unit:		5 YD2	5 YD2

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	Backpack	Backpack	Backpack
Operating Pressure:	15psi	15psi	15psi
Nozzle Type:	XR11002	XR11002	XR11002
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	15 IN	15 IN	15 IN
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	15 IN	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	H20	H20	H20
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2

Trt No	Treatment Application Comment
5	Sprayed 1/3 of plot 704 at EAPOWE

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Trial Comments

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									ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS
									EFF	EFF	EFF	PHYTOX	EFF	EFF
									%	%	%	Stunting	%	%
									26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006
									NA	NA	NA	V2	V2	V2
												4-8"	4-8"	4-8"
									bolting	flower			bolting	3-5lf
									50 YD2	40 YD2	50 YD2		80 YD2	50 YD2
									WGJ	WGJ	WGJ	WGJ	WGJ	WGJ
									30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A
													2-16"	5-3"
Trt No.	Treatment Name	Rate	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
								510	0	0	0	0	0	0
								806	0	0	0	0	0	0
								909	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
2	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	102	0	0	0	0	75	40
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	512	0	0	0	.	.	.
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	805	0	0	0	5	60	95
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	808	0	0	0	15	70	95
								Mean =	0	0	0	7	68	77
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	103	85	100	90	10	80	40
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	307	100	100	100	15	97	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	611	100	97	80	15	100	95
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	907	90	100	100	15	90	85
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	94	99	93	14	92	79
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	104	70	100	90	10	75	50
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	411	100	100	95	.	95	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	803	85	95	100	15	85	90
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1009	97	100	100	15	95	97
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	88	99	96	13	88	82
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	105	95	100	90	10	95	40
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	508	97	97	95	20	97	97
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	804	80	100	100	15	85	90
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1008	85	95	100	15	90	97
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	89	98	96	15	92	81
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	106	97	100	90	20	95	80
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	312	100	100	100	.	100	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	608	100	98	100	25	93	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	901	70	100	100	15	85	95
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	92	100	98	20	93	93

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Weed Code									ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS
Crop Code												PHYTOX		
Rating Data Type									EFF	EFF	EFF	Stunting	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006
Crop Stage									NA	NA	NA	V2	V2	V2
Crop Stage Scale												4-8"	4-8"	4-8"
Weed Stage									bolting	flower			bolting	3-5lf
Weed Density, Unit									50 YD2	40 YD2	50 YD2		80 YD2	50 YD2
Assessed By									WGJ	WGJ	WGJ	WGJ	WGJ	WGJ
Trt-Eval Interval									30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A
ARM Action Codes												2-16"		.5-3"
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
7	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	107	0	0	0	10	98	90
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B	412	0	0	0		100	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	610	0	0	0	10	95	95
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1006	0	0	0	10	70	95
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
Mean =									0	0	0	10	91	95
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	108	97	100	97	15	85	95
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A	501	60	98	97	5	35	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	707	95	95	100	10	65	85
								908	85	95	100	10	65	90
Mean =									84	97	99	10	63	91
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	109	97	100	97	15	65	100
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A	407	100	100	100	15	75	80
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	703	65	100	95	10	65	95
								809	65	100	100	10	40	100
Mean =									82	100	98	13	61	94
10	Extreme	0.81	LB A/A	3	PT/A	7 d EPP	A	110	97	100	97	10	75	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	506	60	100	100	10	60	85
								710	70	97	97	15	75	95
								812	100	100	100	15	90	95
Mean =									82	99	99	13	75	94
11	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	111	0	0	0	0	0	0
	Pursuit	0.0312	LB A/A	2	FL OZ/A	LAPOWE	C	405	0	0	0	0	0	0
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	802	0	0	0	0	0	0
								810	0	0	0	0	0	0
Mean =									0	0	0	0	0	0
12	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	112	0	0	0	0	0	0
	Pursuit	0.047	LB A/A	3	FL OZ/A	LAPOWE	C	410	0	0	0	0	0	0
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	601	0	0	0	0	0	0
								1011	0	0	0	0	0	0
Mean =									0	0	0	0	0	0
13	Extreme	0.81	LB A/A	3	PT/A	LAPOWE	C	201	0	0	0	0	0	0
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	309	0	0	0	0	0	0
								704	0	0	0	0	0	0
								1010	0	0	0	0	0	0
Mean =									0	0	0	0	0	0
14	Aim EW	0.016	LB A/A	1.08	FL OZ/A	7 d EPP	A	202	40	100	40	0	40	80
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	A	507	40	70	40	10	80	100
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	606	60	60	70	13	75	85
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	911	40	100	30	5	65	85
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
Mean =									45	83	45	7	65	88

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Weed Code								ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS	
Crop Code											PHYTOX			
Rating Data Type								EFF	EFF	EFF	Stunting	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	
Crop Stage								NA	NA	NA	V2	V2	V2	
Crop Stage Scale											4-8"	4-8"	4-8"	
Weed Stage								bolting	flower			bolting	3-5lf	
Weed Density, Unit								50 YD2	40 YD2	50 YD2		80 YD2	50 YD2	
Assessed By								WGJ	WGJ	WGJ	WGJ	WGJ	WGJ	
Trt-Eval Interval								30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A	
ARM Action Codes											2-16"		.5-3"	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
15	Aim EW	0.008	LB A/A	0.54	FL OZ/A	7 d EPP	A	203	70	97	100	10	30	40
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	404	70	100	100	15	40	40
	Roundup Original	0.5	LB AE/A	21.3	FL OZ/A	7 d EPP	A	604	50	97	97	10	50	75
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	906	70	95	100	10	55	50
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								65	97	99	11	44	51
16	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	204	80	100	95	0	60	55
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	503	85	100	100	0	85	70
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	712	100	100	100	.	90	95
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	1012	97	100	100	15	70	75
	Mean =								91	100	99	5	76	74
17	Prefix	1	LB A/A	1.5	PT/A	7 d EPP	A	205	93	100	100	5	80	30
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	509	100	100	100	15	90	85
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	612	100	100	100	10	85	70
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	905	70	100	100	10	50	60
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								91	100	100	10	76	61
18	Prefix	1.32	LB A/A	2	PT/A	7 d EPP	A	206	100	100	100	10	90	50
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	310	100	100	100	25	100	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	801	40	100	100	5	10	40
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	1004	85	100	100	15	70	80
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								81	100	100	14	68	66
19	Prefix	1.58	LB A/A	2.4	PT/A	7 d EPP	A	207	97	100	100	10	80	50
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	504	65	100	100	10	60	80
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	705	80	100	100	15	60	0
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	910	40	100	100	15	50	85
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								71	100	100	13	63	54
20	Boundary	1.22	LB A/A	1.5	PT/A	7 d EPP	A	208	100	98	97	10	85	80
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	511	100	100	100	.	95	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	607	70	95	100	10	55	90
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	912	100	100	100	15	85	75
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								93	98	99	12	80	85
21	Intro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	209	97	95	97	10	75	20
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	402	50	100	100	5	50	60
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	605	50	90	100	15	65	80
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1007	80	95	100	10	70	80
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								69	95	99	10	65	60
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	210	97	100	97	0	60	30
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	409	100	100	100	.	100	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	609	100	98	100	20	80	50
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	807	80	100	100	10	60	80
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								94	100	99	10	75	63

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								ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS	
								EFF	EFF	EFF	PHYTOX	EFF	EFF	
								%	%	%	Stunting	%	%	
								26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	
								NA	NA	NA	V2	V2	V2	
											4-8"	4-8"	4-8"	
								bolting	flower			bolting	3-5lf	
								50 YD2	40 YD2	50 YD2		80 YD2	50 YD2	
								WGJ	WGJ	WGJ	WGJ	WGJ	WGJ	
								30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A	
												2-16"	.5-3"	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	211	97	100	70	30	100	100
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B	406	98	100	75	40	100	100
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C	702	85	100	100	65	100	100
								1001	70	95	100	60	100	100
								Mean =	88	99	86	49	100	100
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	212	97	100	85	60	100	100
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B	505	70	95	80	60	100	100
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C	709	85	100	100	60	100	100
								903	95	100	100	60	100	100
								Mean =	87	99	91	60	100	100
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	301	70	100	100	50	100	100
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B	311	100	100	80	50	100	100
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C	708	90	100	100	60	100	100
								1002	70	100	100	60	100	100
								Mean =	83	100	95	55	100	100
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	302	85	100	100	5	70	65
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	408	100	100	100	20	90	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	711	100	100	100	10	85	40
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1005	90	95	100	15	65	65
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	94	99	100	13	78	65
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	303	98	100	100	15	90	60
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	401	80	100	90	5	85	70
								602	90	90	100	15	80	65
								811	100	95	100	10	80	80
								Mean =	92	96	98	11	84	69
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	304	90	90	100	10	95	0
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	403	95	90	97	10	90	70
								701	70	95	100	15	60	0
								904	85	90	100	10	60	40
								Mean =	85	91	99	11	76	28
29	Thundermaster			2	QT/A	7 d EPP	A	305	97	100	100	5	80	30
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	502	95	97	97	10	90	80
								706	100	95	100	10	90	0
								1003	100	100	100	10	85	40
								Mean =	98	98	99	9	86	38
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	306	85	30	30	10	95	80
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	308	95	40	30	5	95	95
								603	90	50	30	5	85	65
								902	85	80	30	5	65	75
								Mean =	89	50	30	6	85	79

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								PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	
								EFF	EFF	EFF	EFF	EFF	EFF	
								%	%	%	%	%	%	
								20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	
								V2	V2	R2	R2	R2	R2	
								4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	
								3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	
								40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	
								WGJ	WGJ	WGJ	EC + JD	EC + JD	EC + JD	
								55 DA-A	55 DA-A	EC + JD	EC + JD	EC + JD	EC + JD	
								4-16"	1-3"					
Trt No.	Treatment Name	Rate	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
								510	0	0	0	0	0	0
								806	0	0	0	0	0	0
								909	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
2	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	102	95	100	99	80	90	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	512	.	.	.	.	.	.
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	805	97	100	80	78	98	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	808	95	100	88	98	99	100
								Mean =	96	100	89	85	96	100
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	103	95	100	98	70	98	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	307	90	100	97	90	95	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	611	97	100	100	95	99	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	907	97	100	95	80	99	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	95	100	98	84	98	100
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	104	85	50	97	75	95	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	411	40	100	100	100	25	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	803	95	100	95	90	97	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1009	97	100	99	100	100	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	79	88	98	91	79	100
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	105	95	70	99	65	98	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	508	98	99	99	95	97	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	804	97	100	95	85	98	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1008	97	100	97	80	98	100
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	97	92	98	81	98	100
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	106	95	80	100	80	96	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	312	60	100	100	100	40	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	608	95	100	98	85	98	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	901	97	100	93	80	99	100
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	87	95	98	86	83	100

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Weed Code								PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	
Crop Code														
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	
Crop Stage								V2	V2	R2	R2	R2	R2	
Crop Stage Scale								4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	
Weed Stage								3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	
Weed Density, Unit								40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	
Assessed By								WGJ	WGJ	WGJ	EC + JD	EC + JD	EC + JD	
Trt-Eval Interval								55 DA-A	55 DA-A					
ARM Action Codes								4-16"	1-3"					
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
7	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	107	95	90	98	80	98	100
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B	412	50	100	100	100	20	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	610	95	100	99	90	95	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1006	97	100	83	85	97	100
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
Mean =									84	98	95	89	78	100
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	108	30	95	90	100	0	100
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A	501	55	100	65	100	25	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	707	70	100	40	100	20	100
								908	65	100	20	100	0	100
Mean =									55	99	54	100	11	100
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	109	30	95	93	100	0	100
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A	407	30	95	99	100	0	20
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	703	60	100	60	100	0	100
								809	65	100	50	100	25	100
Mean =									46	98	76	100	6	80
10	Extreme	0.81	LB A/A	3	PT/A	7 d EPP	A	110	50	100	90	100	20	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	506	50	100	85	100	20	98
								710	80	100	75	100	10	100
								812	70	100	100	100	0	100
Mean =									63	100	88	100	13	100
11	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	111	0	0	99	100	100	100
	Pursuit	0.0312	LB A/A	2	FL OZ/A	LAPOWE	C	405	0	0	93	100	95	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	802	0	0	60	100	100	100
								810	0	0	85	100	99	100
Mean =									0	0	84	100	99	100
12	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	112	0	0	100	100	99	100
	Pursuit	0.047	LB A/A	3	FL OZ/A	LAPOWE	C	410	0	0	100	100	50	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	601	0	0	85	100	99	100
								1011	0	0	85	100	100	100
Mean =									0	0	93	100	87	100
13	Extreme	0.81	LB A/A	3	PT/A	LAPOWE	C	201	0	0	80	100	98	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	309	0	0	99	99	80	100
								704	0	0	.	.	.	.
								1010	0	0	50	100	100	100
Mean =									0	0	76	100	93	100
14	Aim EW	0.016	LB A/A	1.08	FL OZ/A	7 d EPP	A	202	20	80	97	93	97	100
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	A	507	30	100	94	100	98	100
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	606	60	100	98	100	99	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	911	75	100	95	98	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
Mean =									46	95	96	98	98	100

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Weed Code								PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	
Crop Code														
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	
Crop Stage								V2	V2	R2	R2	R2	R2	
Crop Stage Scale								4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	
Weed Stage								3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	
Weed Density, Unit								40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	
Assessed By								WGJ	WGJ	WGJ	EC + JD	EC + JD	EC + JD	
Trt-Eval Interval								55 DA-A	55 DA-A	EC + JD	EC + JD	EC + JD	EC + JD	
ARM Action Codes								4-16"	1-3"					
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
15	Aim EW	0.008	LB A/A	0.54	FL OZ/A	7 d EPP	A	203	30	60	87	85	98	100
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	404	30	100	95	80	98	100
	Roundup Original	0.5	LB AE/A	21.3	FL OZ/A	7 d EPP	A	604	50	100	85	90	99	100
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	906	60	100	93	90	98	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								43	90	90	86	98	100
16	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	204	0	0	98	75	98	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	503	35	100	97	85	100	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	712	50	100	99	100	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	1012	60	100	98	100	99	100
	Mean =								36	75	98	90	99	100
17	Prefix	1	LB A/A	1.5	PT/A	7 d EPP	A	205	20	100	97	80	97	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	509	50	100	95	95	98	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	612	60	100	97	98	98	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	905	60	100	75	80	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								48	100	91	88	98	100
18	Prefix	1.32	LB A/A	2	PT/A	7 d EPP	A	206	40	100	98	85	99	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	310	30	100	98	99	50	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	801	65	100	40	100	100	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	1004	75	100	95	90	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								53	100	83	94	87	99
19	Prefix	1.58	LB A/A	2.4	PT/A	7 d EPP	A	207	20	0	98	70	99	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	504	15	100	90	80	97	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	705	75	100	98	75	99	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	910	70	100	95	80	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								45	75	95	76	99	100
20	Boundary	1.22	LB A/A	1.5	PT/A	7 d EPP	A	208	40	100	98	85	98	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	511	40	100	95	95	96	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	607	40	100	95	90	98	100
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	912	65	100	98	100	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								46	100	97	93	98	100
21	Intro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	209	20	100	98	85	99	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	402	30	68	95	70	98	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	605	60	100	95	90	99	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1007	75	100	97	90	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								46	92	96	84	99	99
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	210	20	30	95	95	97	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	409	30	100	100	100	75	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	609	60	100	95	85	98	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	807	85	100	80	90	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
	Mean =								49	83	93	93	92	100

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								PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	
								EFF	EFF	EFF	EFF	EFF	EFF	
								%	%	%	%	%	%	
								20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	
								V2	V2	R2	R2	R2	R2	
								4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	
								3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	
								40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	
								WGJ	WGJ	EC + JD	EC + JD	EC+ JD	EC+ JD	
								55 DA-A	55 DA-A					
								4-16"	1-3"					
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	211	100	100	100	100	80	100
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B	406	100	100	100	90	95	100
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C	702	100	100	100	80	98	100
								1001	100	100	100	80	98	100
								Mean =	100	100	100	88	93	100
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	212	90	100	100	100	70	100
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B	505	100	100	100	75	97	100
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C	709	100	100	100	90	96	100
								903	100	100	100	85	98	100
								Mean =	98	100	100	88	90	100
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	301	100	100	100	65	97	100
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B	311	97	100	100	100	40	100
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C	708	100	100	100	80	97	100
								1002	100	100	100	90	99	100
								Mean =	99	100	100	84	83	100
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	302	20	70	90	85	97	100
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	408	30	100	98	100	90	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	711	60	100	97	85	99	100
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1005	75	100	93	85	99	100
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
								Mean =	46	93	95	89	96	100
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	303	0	0	95	95	100	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	401	40	85	85	90	0	0
								602	40	100	92	70	15	100
								811	60	100	80	85	0	100
								Mean =	35	71	88	85	29	75
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	304	0	95	97	98	0	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	403	30	85	100	100	0	0
								701	75	100	20	0	0	100
								904	65	100	5	0	5	100
								Mean =	43	95	56	50	1	75
29	Thundermaster			2	QT/A	7 d EPP	A	305	0	100	99	97	0	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	502	35	100	95	95	0	100
								706	65	100	75	10	25	100
								1003	65	100	0	0	0	100
								Mean =	41	100	67	51	6	100
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	306	40	100	99	99	0	100
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	308	40	90	100	100	0	100
								603	30	100	100	95	0	100
								902	70	100	20	50	0	100
								Mean =	45	98	80	86	0	100

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									ERICA	PANDI
Weed Code									EFF	EFF
Crop Code									%	%
Rating Data Type									1/Aug/2006	1/Aug/2006
Rating Unit									R3	R3
Rating Date									24-30"	24-30"
Crop Stage									12-36"	12-36"
Crop Stage Scale									50 YD2	40 YD2
Weed Stage									VMD + VAM	VMD + VAM
Weed Density, Unit										
Assessed By										
Trt-Eval Interval										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14
1	non-treated check							101	0	0
								510	0	0
								806	0	0
								909	0	0
								Mean =	0	0
2	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	102	98	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	512	.	.
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	805	78	95
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	808	93	95
								Mean =	90	96
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	103	97	98
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	307	98	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	611	99	96
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	907	95	95
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B			
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
								Mean =	97	95
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	104	95	96
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	411	.	.
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	803	95	90
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1009	98	97
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B			
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C			
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
								Mean =	96	94
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	105	97	98
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	508	96	93
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	804	95	95
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	1008	95	95
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B			
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B			
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
								Mean =	96	95
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	106	98	96
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	312	.	.
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	608	97	92
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	901	97	97
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B			
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B			
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C			
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
								Mean =	97	95

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									ERICA	PANDI
									EFF	EFF
									%	%
									1/Aug/2006	1/Aug/2006
									R3	R3
									24-30"	24-30"
									12-36"	12-36"
									50 YD2	40 YD2
									VMD + VAM	VMD + VAM
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14
7	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	107	95	97
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B	412	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	610	98	90
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1006	80	97
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =									91	95
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	108	97	0
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A	501	78	0
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	707	88	10
								908	50	10
Mean =									78	5
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	109	97	0
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A	407	93	10
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	703	98	10
								809	80	0
Mean =									92	5
10	Extreme	0.81	LB A/A	3	PT/A	7 d EPP	A	110	97	15
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	506	95	0
								710	78	10
								812	.	.
Mean =									90	8
11	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	111	98	98
	Pursuit	0.0312	LB A/A	2	FL OZ/A	LAPOWE	C	405	95	93
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	802	43	98
								810	93	98
Mean =									82	97
12	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	112	100	98
	Pursuit	0.047	LB A/A	3	FL OZ/A	LAPOWE	C	410	.	.
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	601	95	100
								1011	90	99
Mean =									95	99
13	Extreme	0.81	LB A/A	3	PT/A	LAPOWE	C	201	95	97
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	309	92	70
								704	.	.
								1010	80	99
Mean =									89	89
14	Aim EW	0.016	LB A/A	1.08	FL OZ/A	7 d EPP	A	202	93	97
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	A	507	97	95
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	606	98	98
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	911	97	98
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
Mean =									96	97

Purdue University

									ERICA	PANDI
									EFF	EFF
									%	%
									1/Aug/2006	1/Aug/2006
									R3	R3
									24-30"	24-30"
									12-36"	12-36"
									50 YD2	40 YD2
									VMD + VAM	VMD + VAM
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	13	14
15	Aim EW	0.008	LB A/A	0.54	FL OZ/A	7 d EPP	A	203	93	97
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	404	97	97
	Roundup Original	0.5	LB AE/A	21.3	FL OZ/A	7 d EPP	A	604	88	97
	COC	1	% V/V	0.6	QT/A	7 d EPP	A	906	93	97
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A			
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C			
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								93	97
16	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	204	97	97
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	503	93	97
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	712	99	98
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	1012	98	98
	Mean =								97	98
17	Prefix	1	LB A/A	1.5	PT/A	7 d EPP	A	205	98	97
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	509	95	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	612	95	95
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	905	88	97
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								94	96
18	Prefix	1.32	LB A/A	2	PT/A	7 d EPP	A	206	98	97
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	310	.	.
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	801	50	99
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	1004	97	98
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								82	98
19	Prefix	1.58	LB A/A	2.4	PT/A	7 d EPP	A	207	98	97
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	504	93	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	705	98	99
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	910	95	96
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								96	96
20	Boundary	1.22	LB A/A	1.5	PT/A	7 d EPP	A	208	97	97
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A	511	97	90
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	607	95	97
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C	912	98	93
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								97	94
21	Intro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	209	96	95
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	402	97	95
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	605	96	98
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1007	97	97
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								97	96
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	210	96	90
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	409	.	.
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	609	.	96
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	807	80	97
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
	Mean =								91	94

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									ERICA	PANDI
Weed Code										
Crop Code										
Rating Data Type									EFF	EFF
Rating Unit									%	%
Rating Date									1/Aug/2006	1/Aug/2006
Crop Stage									R3	R3
Crop Stage Scale									24-30"	24-30"
Weed Stage									12-36"	12-36"
Weed Density, Unit									50 YD2	40 YD2
Assessed By									VMD + VAM	VMD + VAM
Trt-Eval Interval										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	211	.	.
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B	406	98	85
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C	702	98	95
								1001	97	95
								Mean =	98	92
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	212	.	.
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B	505	98	95
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C	709	97	95
								903	97	90
								Mean =	97	93
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	301	97	95
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B	311	.	.
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C	708	98	97
								1002	97	95
								Mean =	97	96
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	302	90	97
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	408	.	.
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	711	98	98
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	1005	93	97
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C			
								Mean =	94	97
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	303	96	10
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	401	95	0
								602	95	0
								811	93	0
								Mean =	95	3
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	304	98	10
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	403	93	0
								701	80	0
								904	25	10
								Mean =	74	5
29	Thundermaster			2	QT/A	7 d EPP	A	305	98	10
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	502	95	0
								706	93	8
								1003	25	0
								Mean =	78	5
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	306	98	10
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	308	98	10
								603	98	5
								902	50	0
								Mean =	86	6

Purdue University

No-till Roundup Ready Soybean Efficacy Study, Sales and Marketing Support

Trial ID: 06S-SEP-NTS-09
Location: SEPAC

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

Weed Code								ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS
Crop Code											PHYTOX		
Rating Data Type								EFF	EFF	EFF	Stunting	EFF	EFF
Rating Unit								%	%	%	%	%	%
Rating Date								26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006
Crop Stage								NA	NA	NA	V2	V2	V2
Crop Stage Scale											4-8"	4-8"	4-8"
Weed Stage								bolting	flower			bolting	3-5lf
Weed Density, Unit								50 YD2	40 YD2	50 YD2		80 YD2	50 YD2
Assessed By								WGJ	WGJ	WGJ	WGJ	WGJ	WGJ
Trt-Eval Interval								30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A
ARM Action Codes											2-16"	.5-3"	
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 f	0 e	0 f	0 h	0 g	0 k
2	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	0 f	0 e	0 f	7 e-h	68 cde	77 a-g
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	94 a	99 ab	93 abc	14 cde	92 ab	79 a-f
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	88 ab	99 ab	96 ab	13 c-f	88 ab	82 a-f
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	89 a	98 ab	96 ab	15 cd	92 ab	81 a-f
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B						
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	92 a	100 a	98 ab	20 c	93 ab	93 abc
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B						
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
7	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	0 f	0 e	0 f	10 d-g	91 ab	95 ab
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	84 abc	97 ab	99 ab	10 d-g	63 ef	91 abc
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						

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Weed Code							ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS	
Crop Code										PHYTOX			
Rating Data Type							EFF	EFF	EFF	Stunting	EFF	EFF	
Rating Unit							%	%	%	%	%	%	
Rating Date							26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	
Crop Stage							NA	NA	NA	V2	V2	V2	
Crop Stage Scale										4-8"	4-8"	4-8"	
Weed Stage							bolting	flower			bolting	3-5lf	
Weed Density, Unit							50 YD2	40 YD2	50 YD2		80 YD2	50 YD2	
Assessed By							WGJ	WGJ	WGJ	WGJ	WGJ	WGJ	
Trt-Eval Interval							30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A	
ARM Action Codes											2-16"	.5-3"	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	82 a-d	100 a	98 ab	13 def	61 ef	94 ab
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
10	Extreme	0.81	LB A/A	3	PT/A	7 d EPP	A	82 a-d	99 ab	99 ab	13 def	75 b-e	94 ab
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
11	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	0 f	0 e	0 f	0 h	0 g	0 k
	Pursuit	0.0312	LB A/A	2	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
12	Glyphos Xtra	0.75	LB AE/A	1	QT/A	LAPOWE	C	0 f	0 e	0 f	0 h	0 g	0 k
	Pursuit	0.047	LB A/A	3	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
13	Extreme	0.81	LB A/A	3	PT/A	LAPOWE	C	0 f	0 e	0 f	0 h	0 g	0 k
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
14	Aim EW	0.016	LB A/A	1.08	FL OZ/A	7 d EPP	A	45 e	83 c	45 d	7 e-h	65 de	88 a-d
	2,4-D Ester	0.5	LB A/A	1	PT/A	7 d EPP	A						
	COC	1	% V/V	0.6	QT/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
15	Aim EW	0.008	LB A/A	0.54	FL OZ/A	7 d EPP	A	65 d	97 ab	99 a	11 d-g	44 f	51 hij
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A						
	Roundup Original	0.5	LB AE/A	21.3	FL OZ/A	7 d EPP	A						
	COC	1	% V/V	0.6	QT/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
16	Roundup WeatherMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	91 a	100 a	99 ab	5 gh	76 b-e	74 b-h
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
17	Prefix	1	LB A/A	1.5	PT/A	7 d EPP	A	91 a	100 a	100 a	10 d-g	76 b-e	61 e-i
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C						
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
18	Prefix	1.32	LB A/A	2	PT/A	7 d EPP	A	81 a-d	100 a	100 a	14 cde	68 cde	66 d-h
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C						
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
19	Prefix	1.58	LB A/A	2.4	PT/A	7 d EPP	A	71 bcd	100 a	100 a	13 def	63 ef	54 ghi
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C						
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							

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							ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS	
							EFF	EFF	EFF	PHYTOX	EFF	EFF	
							%	%	%	Stunting	%	%	
							26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	
							NA	NA	NA	V2	V2	V2	
										4-8"	4-8"	4-8"	
							bolting	flower			bolting	3-5lf	
							50 YD2	40 YD2	50 YD2		80 YD2	50 YD2	
							WGJ	WGJ	WGJ	WGJ	WGJ	WGJ	
							30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A	
											2-16"	.5-3"	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
20	Boundary	1.22	LB A/A	1.5	PT/A	7 d EPP	A	93 a	98 ab	99 a	12 d-g	80 b-e	85 a-e
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Touchdown Total	0.78	LB AE/A	24	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
21	Intro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	69 cd	95 ab	99 a	10 d-g	65 de	60 f-i
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	94 a	100 a	99 a	10 d-g	75 b-e	63 e-h
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	88 abc	99 ab	86 c	49 b	100 a	100 a
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B						
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C						
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	87 abc	99 ab	91 bc	60 a	100 a	100 a
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B						
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C						
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	83 a-d	100 a	95 ab	55 ab	100 a	100 a
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B						
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C						
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	94 a	99 ab	100 a	13 def	78 b-e	65 d-h
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A						
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C						
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C						
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	92 a	96 ab	98 ab	11 d-g	84 a-d	69 c-h
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	85 abc	91 b	99 a	11 d-g	76 b-e	28 j
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
29	Thundermaster			2	QT/A	7 d EPP	A	98 a	98 ab	99 a	9 d-g	86 abc	38 ij
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	89 ab	50 d	30 e	6 fgh	85 abc	79 a-f
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A						
LSD (P=.05)							18.4	8.1	7.8	7.1	18.9	23.8	
Standard Deviation							13.0	5.7	5.5	5.0	13.4	16.9	
CV							19.26	7.5	7.45	36.11	19.67	25.75	
Grand Mean							67.46	76.53	73.89	13.96	68.07	65.44	
Bartlett's X2							28.818	97.855	74.358	39.317	31.567	39.786	
P(Bartlett's X2)							0.186	0.001*	0.001*	0.018*	0.085	0.011*	

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Weed Code	ERICA	SENGL	ALOCA	GLXMA	ERICA	AMASS
Crop Code				PHYTOX		
Rating Data Type	EFF	EFF	EFF	Stunting	EFF	EFF
Rating Unit	%	%	%		%	%
Rating Date	26/May/2006	26/May/2006	26/May/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006
Crop Stage	NA	NA	NA	V2	V2	V2
Crop Stage Scale				4-8"	4-8"	4-8"
Weed Stage	bolting	flower			bolting	3-5lf
Weed Density, Unit	50 YD2	40 YD2	50 YD2		80 YD2	50 YD2
Assessed By	WGJ	WGJ	WGJ	WGJ	WGJ	WGJ
Trt-Eval Interval	30 DA-A	30 DA-A	30 DA-A	85 DA-A	55 DA-A	55 DA-A
ARM Action Codes					2-16"	.5-3"
Replicate F	1.522	1.259	3.395	4.146	2.191	9.015
Replicate Prob(F)	0.2144	0.2934	0.0214	0.0088	0.0949	0.0001
Treatment F	30.467	194.430	217.899	33.746	20.269	14.155
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)

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Weed Code							PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	ERICA	
Crop Code														
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	1/Aug/2006	
Crop Stage							V2	V2	R2	R2	R2	R2	R3	
Crop Stage Scale							4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	24-30"	
Weed Stage							3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	12-36"	
Weed Density, Unit							40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	50 YD2	
Assessed By							WGJ	WGJ	EC + JD	EC + JD	EC + JD	EC + JD	VMD + VAM	
Trt-Eval Interval							55 DA-A	55 DA-A						
ARM Action Codes							4-16"	1-3"						
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12	13
1	non-treated check							0 f	0 d	0 e	0 d	0 c	0 c	0 e
2	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	96 ab	100 a	89 abc	85 ab	96 a	100 a	90 a-d
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	95 ab	100 a	98 ab	84 ab	98 a	100 a	97 a
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C								
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	79 bc	88 abc	98 ab	91 ab	79 a	100 a	96 abc
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C								
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	97 ab	92 abc	98 ab	81 ab	98 a	100 a	96 abc
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B							
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C								
AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C								
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	87 ab	95 ab	98 ab	86 ab	83 a	100 a	97 a
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B							
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
7	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	EAPOWE	B	84 ab	98 ab	95 ab	89 ab	78 a	100 a	91 a-d
	Ultra Blazer	0.187	LB A/A	0.75	PT/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	Ultra Blazer	0.312	LB A/A	1.25	PT/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	55 de	99 a	54 d	100 a	11 bc	100 a	78 bcd
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	46 de	98 ab	76 bcd	100 a	6 bc	80 ab	92 a-d
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							

Purdue University

Weed Code							PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	ERICA	
Crop Code														
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	1/Aug/2006	
Crop Stage							V2	V2	R2	R2	R2	R2	R3	
Crop Stage Scale							4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	24-30"	
Weed Stage							3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	12-36"	
Weed Density, Unit							40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	50 YD2	
Assessed By							WGJ	WGJ	EC + JD	EC + JD	EC + JD	EC + JD	VMD + VAM	
Trt-Eval Interval							55 DA-A	55 DA-A						
ARM Action Codes							4-16"	1-3"						
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12	13
10	Extreme AMS	0.81 2.5	LB A/A LB A/A	3 2.5	PT/A LB/A	7 d EPP 7 d EPP	A A	63 cd	100 a	88 abc	100 a	13 bc	100 a	90 a-d
11	Glyphos Xtra Pursuit AMS	0.75 0.0312 2.5	LB AE/A LB A/A LB A/A	1 2 2.5	QT/A FL OZ/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	0 f	0 d	84 abc	100 a	99 a	100 a	82 a-d
12	Glyphos Xtra Pursuit AMS	0.75 0.047 2.5	LB AE/A LB A/A LB A/A	1 3 2.5	QT/A FL OZ/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	0 f	0 d	93 ab	100 a	87 a	100 a	95 abc
13	Extreme AMS	0.81 2.5	LB A/A LB A/A	3 2.5	PT/A LB/A	LAPOWE LAPOWE	C C	0 f	0 d	76 bcd	100 ab	93 a	100 a	89 a-d
14	Aim EW 2,4-D Ester COC Roundup OriginalMAX AMS	0.016 0.5 1 0.77 2.5	LB A/A LB A/A % V/V LB AE/A LB A/A	1.08 1 0.6 22 2.5	FL OZ/A PT/A QT/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	46 de	95 ab	96 ab	98 ab	98 a	100 a	96 abc
15	Aim EW 2,4-D Ester Roundup Original COC AMS Roundup OriginalMAX AMS	0.008 0.25 0.5 1 2.5 0.77 2.5	LB A/A LB A/A LB AE/A % V/V LB A/A LB AE/A LB A/A	0.54 0.5 21.3 0.6 2.5 22 2.5	FL OZ/A PT/A FL OZ/A QT/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A A A C C	43 de	90 abc	90 abc	86 ab	98 a	100 a	93 abc
16	Roundup WeatherMAX AMS Roundup OriginalMAX AMS	0.77 2.5 0.77 2.5	LB AE/A LB A/A LB AE/A LB A/A	22 2.5 22 2.5	FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP LAPOWE LAPOWE	A A C C	36 e	75 bc	98 ab	90 ab	99 a	100 a	97 ab
17	Prefix Touchdown Total AMS Touchdown Total AMS	1 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	1.5 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	48 de	100 a	91 ab	88 ab	98 a	100 a	94 abc
18	Prefix Touchdown Total AMS Touchdown Total AMS	1.32 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	2 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	53 de	100 a	83 abc	94 ab	87 a	99 a	82 a-d
19	Prefix Touchdown Total AMS Touchdown Total AMS	1.58 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	2.4 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	45 de	75 bc	95 ab	76 b	99 a	100 a	96 abc
20	Boundary Touchdown Total AMS Touchdown Total AMS	1.22 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	1.5 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	46 de	100 a	97 ab	93 ab	98 a	100 a	97 ab

Purdue University

Weed Code							PANDI	SIDSP	ERICA	AMASS	PANDI	SIDSP	ERICA	
Crop Code														
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							20/Jun/2006	20/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006	1/Aug/2006	
Crop Stage							V2	V2	R2	R2	R2	R2	R3	
Crop Stage Scale							4-8"	4-8"	24-30"	24-30"	24-30"	24-30"	24-30"	
Weed Stage							3-6lf	2-3lf	8-30"	2-8"	20-30"	3-8"	12-36"	
Weed Density, Unit							40 YD2	50 YD2	80 YD2	50 YD2	40 YD2	50 YD2	50 YD2	
Assessed By							WGJ	WGJ	EC + JD	EC + JD	EC + JD	EC + JD	VMD + VAM	
Trt-Eval Interval							55 DA-A	55 DA-A						
ARM Action Codes							4-16"	1-3"						
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12	13
21	Intrro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	46 de	92 abc	96 ab	84 ab	99 a	99 a	97 ab
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	49 de	83 abc	93 ab	93 ab	92 a	100 a	91 a-d
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	100 a	100 a	100 a	88 ab	93 a	100 a	98 a
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B							
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C							
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	98 ab	100 a	100 a	88 ab	90 a	100 a	97 a
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B							
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C							
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	99 ab	100 a	100 a	84 ab	83 a	100 a	97 a
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B							
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C							
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	46 de	93 abc	95 ab	89 ab	96 a	100 a	94 abc
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A							
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C							
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	35 e	71 c	88 abc	85 ab	29 b	75 b	95 abc
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	43 de	95 ab	56 d	50 c	1 c	75 b	74 d
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
29	Thundermaster			2	QT/A	7 d EPP	A	41 e	100 a	67 cd	51 c	6 bc	100 a	78 cd
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	45 de	98 ab	80 abc	86 ab	0 c	100 a	86 a-d
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A							
LSD (P=.05)							20.4	23.5	23.4	23.5	22.9	20.4	18.6	
Standard Deviation							14.4	16.6	16.5	16.6	16.2	14.4	13.2	
CV							26.75	20.49	19.32	19.63	23.1	15.32	14.9	
Grand Mean							53.97	81.14	85.59	84.52	70.19	94.23	88.44	
Bartlett's X2							55.305	59.754	140.374	86.304	182.966	45.046	161.547	
P(Bartlett's X2)							0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	
Replicate F							25.458	9.585	7.736	2.229	6.190	3.410	4.162	
Replicate Prob(F)							0.0001	0.0001	0.0001	0.0906	0.0007	0.0211	0.0088	
Treatment F							18.046	16.092	6.022	5.801	22.798	7.055	7.430	
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

Weed Code								PANDI
Crop Code								EFF
Rating Data Type								%
Rating Unit								1/Aug/2006
Rating Date								R3
Crop Stage								24-30"
Crop Stage Scale								12-36"
Weed Stage								40 YD2
Weed Density, Unit								VMD + VAM
Assessed By								
Trt-Eval Interval								
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
1	non-treated check							14 0 e
2	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	EAPOWE EAPOWE	B B	96 ab
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	LAPOWE LAPOWE	C C	
3	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	95 ab
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	7 d EPP 7 d EPP	A A	
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	EAPOWE EAPOWE	B B	
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	LAPOWE LAPOWE	C C	
4	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	94 abc
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	7 d EPP 7 d EPP	A A	
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	EAPOWE EAPOWE	B B	
	Roundup OriginalMAX Ultra Blazer AMS	0.77 0.312 2.5	LB AE/A LB A/A LB A/A	22 1.25 2.5	FL OZ/A PT/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	
5	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	95 ab
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	7 d EPP 7 d EPP	A A	
	Roundup OriginalMAX Ultra Blazer	0.77 0.187	LB AE/A LB A/A	22 0.75	FL OZ/A PT/A	EAPOWE EAPOWE	B B	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	LAPOWE LAPOWE	C C	
6	Metri DF	0.375	LB A/A	0.5	LB/A	7 d EPP	A	95 ab
	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	7 d EPP 7 d EPP	A A	
	Roundup OriginalMAX Ultra Blazer	0.77 0.187	LB AE/A LB A/A	22 0.75	FL OZ/A PT/A	EAPOWE EAPOWE	B B	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	
	Roundup OriginalMAX Ultra Blazer AMS	0.77 0.312 2.5	LB AE/A LB A/A LB A/A	22 1.25 2.5	FL OZ/A PT/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	
7	Roundup OriginalMAX Ultra Blazer	0.77 0.187	LB AE/A LB A/A	22 0.75	FL OZ/A PT/A	EAPOWE EAPOWE	B B	95 ab
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	
	Roundup OriginalMAX Ultra Blazer	0.77 0.312	LB AE/A LB A/A	22 1.25	FL OZ/A PT/A	LAPOWE LAPOWE	C C	
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	
8	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	5 de
	Pursuit	0.0312	LB A/A	2	FL OZ/A	7 d EPP	A	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
9	Glyphos Xtra	0.75	LB AE/A	1	QT/A	7 d EPP	A	5 de
	Pursuit	0.047	LB A/A	3	FL OZ/A	7 d EPP	A	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	

Purdue University

Weed Code							PANDI	
Crop Code								
Rating Data Type							EFF	
Rating Unit							%	
Rating Date							1/Aug/2006	
Crop Stage							R3	
Crop Stage Scale							24-30"	
Weed Stage							12-36"	
Weed Density, Unit							40 YD2	
Assessed By							VMD + VAM	
Trt-Eval Interval								
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
								14
10	Extreme AMS	0.81 2.5	LB A/A LB A/A	3 2.5	PT/A LB/A	7 d EPP 7 d EPP	A A	8 d
11	Glyphos Xtra Pursuit AMS	0.75 0.0312 2.5	LB AE/A LB A/A LB A/A	1 2 2.5	QT/A FL OZ/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	97 ab
12	Glyphos Xtra Pursuit AMS	0.75 0.047 2.5	LB AE/A LB A/A LB A/A	1 3 2.5	QT/A FL OZ/A LB/A	LAPOWE LAPOWE LAPOWE	C C C	99 a
13	Extreme AMS	0.81 2.5	LB A/A LB A/A	3 2.5	PT/A LB/A	LAPOWE LAPOWE	C C	89 c
14	Aim EW 2,4-D Ester COC Roundup OriginalMAX AMS	0.016 0.5 1 0.77 2.5	LB A/A LB A/A % V/V LB AE/A LB A/A	1.08 1 0.6 22 2.5	FL OZ/A PT/A QT/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	97 ab
15	Aim EW 2,4-D Ester Roundup Original COC AMS Roundup OriginalMAX AMS	0.008 0.25 0.5 1 2.5 0.77 2.5	LB A/A LB A/A LB AE/A % V/V LB A/A LB AE/A LB A/A	0.54 0.5 21.3 0.6 2.5 22 2.5	FL OZ/A PT/A FL OZ/A QT/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A A A C C	97 ab
16	Roundup WeatherMAX AMS Roundup OriginalMAX AMS	0.77 2.5 0.77 2.5	LB AE/A LB A/A LB AE/A LB A/A	22 2.5 22 2.5	FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP LAPOWE LAPOWE	A A C C	98 ab
17	Prefix Touchdown Total AMS Touchdown Total AMS	1 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	1.5 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	96 ab
18	Prefix Touchdown Total AMS Touchdown Total AMS	1.32 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	2 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	98 a
19	Prefix Touchdown Total AMS Touchdown Total AMS	1.58 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	2.4 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	96 ab
20	Boundary Touchdown Total AMS Touchdown Total AMS	1.22 0.78 2.5 0.78 2.5	LB A/A LB AE/A LB A/A LB AE/A LB A/A	1.5 24 2.5 24 2.5	PT/A FL OZ/A LB/A FL OZ/A LB/A	7 d EPP 7 d EPP 7 d EPP LAPOWE LAPOWE	A A A C C	94 abc

Purdue University

Weed Code								PANDI
Crop Code								EFF
Rating Data Type								%
Rating Unit								1/Aug/2006
Rating Date								R3
Crop Stage								24-30"
Crop Stage Scale								12-36"
Weed Stage								40 YD2
Weed Density, Unit								VMD + VAM
Assessed By								
Trt-Eval Interval								
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	14
21	Intro	2.75	LB A/A	2.75	QT/A	7 d EPP	A	96 ab
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	
22	Prowl H2O	0.95	LB A/A	2	PT/A	7 d EPP	A	94 abc
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	
23	Firestorm	1	LB A/A	2.7	PT/A	7 d EPP	A	92 bc
	Firestorm	1	LB A/A	2.7	PT/A	EAPOWE	B	
	Firestorm	1	LB A/A	2.7	PT/A	LAPOWE	C	
24	Gramoxone Max	1	LB A/A	2.7	PT/A	7 d EPP	A	93 abc
	Gramoxone Max	1	LB A/A	2.7	PT/A	EAPOWE	B	
	Gramoxone Max	1	LB A/A	2.7	PT/A	LAPOWE	C	
25	Gramoxone Inteon	1	LB A/A	4	PT/A	7 d EPP	A	96 ab
	Gramoxone Inteon	1	LB A/A	4	PT/A	EAPOWE	B	
	Gramoxone Inteon	1	LB A/A	4	PT/A	LAPOWE	C	
26	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	7 d EPP	A	97 ab
	2,4-D Ester	0.25	LB A/A	0.5	PT/A	7 d EPP	A	
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
	Roundup OriginalMAX	0.77	LB AE/A	22	FL OZ/A	LAPOWE	C	
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	C	
27	Costarr	1.05	LB A/A	2	QT/A	7 d EPP	A	3 de
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
28	Landmaster BW	1.55	LB A/A	2	QT/A	7 d EPP	A	5 de
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
29	Thundermaster			2	QT/A	7 d EPP	A	5 de
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
30	Vision	0.238	LB A/A	8	FL OZ/A	7 d EPP	A	6 d
	AMS	2.5	LB A/A	2.5	LB/A	7 d EPP	A	
LSD (P=.05)								6.0
Standard Deviation								4.2
CV								5.96
Grand Mean								71.16
Bartlett's X2								63.47
P(Bartlett's X2)								0.001*
Replicate F								3.756
Replicate Prob(F)								0.0144
Treatment F								372.345
Treatment Prob(F)								0.0001

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