

Purdue University

Control of giant ragweed in Roundup Ready Soybean

Trial ID: 06S-THP-CTS-19
Location: Throckmorton

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

GENERAL TRIAL INFORMATION

Study Director: Vince Davis	Title: Research Associate
Affiliation: Purdue University	
Postal Code: 47097	
Investigator: Dr. William G. Johnson	Title: Associate Professor
Affiliation: Purdue University	
Postal Code: 47907	

TRIAL LOCATION

City: Lafayette
State/Prov.: IN
Postal Code: 47909-9049
Country: USA
Directions: Field 4B

COOPERATOR/LANDOWNER

Cooperator: Throckmorton-Purdue Ag Center (TPAC)	Country: USA
Org: Purdue University	Phone No: (765) 538-3422
Address 1: 8343 US 231 South	Fax No: (765) 538-3423
City: Lafayette	
State/Prov: IN	
Postal Code: 47909-9049	

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

Objective: The objective of this trial is to evaluate the control of giant ragweed in a Roundup Ready soybean system with Roundup and conventional herbicides and furthermore to determine how a residual herbicide effects weed stands at POST application timings.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AMBTR	Giant ragweed	Ambrosia trifida
2.	CHEAL	Common lambsquarters	Chenopodium album
3.	IPOHE	Ivyleaf morningglory	Ipomoea hederacea
4.	SETFA	Giant foxtail	Setaria faberi
5.	ABUTH	Velvetleaf	Abutilon theophrasti
6.	AMARE	Redroot Pigweed	Amaranthus retroflexus
7.	CAPBP	Shepherd's purse	Capsella bursa-pastoris
8.	TAROF	Common dandelion	Taraxacum officinale

Crop 1: GLXMA SOYBEAN **Variety:** Asgrow3305
Planting Date: 8/May/2006 **Planting Method:** DIRECT DRILLED
Rate: 160000 S/A **Depth:** 1 IN
Row Spacing: 30 IN
Soil Temperature: 62 F **Soil Moisture:** NORMAL **Emergence Date:** 18/May/2006

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

#	Previous Crops	Previous Pesticides	Year
1.	Field Corn		2005

MAINTENANCE

Field Prep./Maintenance: Chisel plowed in the fall. UAN was applied at 51 gallon per acre and incorporated with a field cultivator prior to planting in the spring.

SOIL DESCRIPTION

% OM: 2.9
pH: 6.2 **Soil Name:** Toronto-Millbrook
CEC: 13.3 **Fert. Level:** GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit
Phosphorus	34	ppm
Potassium	124	ppm
Magnesium	430	ppm
Calcium	1400	ppm

Purdue University

Overall Moisture Conditions: NORMAL

Closest Weather Station: Located on the farm

Distance: 0.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	8/May/2006	5/Jun/2006	12/Jun/2006	
Time of Day:	10:00PM	6:55PM	4:00PM	
Application Method:	SPRAY	SPRAY	SPRAY	
Application Timing:	PREPRE	EAPOWE	MIPOWE	
Applic. Placement:	BROSOIL	BROFOL	BROFOL	
Air Temp., Unit:	67 F	85 F	74 F	
% Relative Humidity:	70	35	65	
Wind Velocity, Unit:	Calm	1.5 MPH	6 MPH	
Dew Presence (Y/N):	N	N	N	
Water Hardness:	Very Hard	Very Hard	Very Hard	
Soil Temp., Unit:	62 F	80 F	71 F	
Soil Moisture:			Moist	
% Cloud Cover:	0	0	100	

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA	GLXMA	GLXMA	GLXMA
Stage Scale:	n/a	V1	V2	
Height, Unit:		2.5 IN	4 IN	

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMBTR	AMBTR	AMBTR	AMBTR
Stage Scale:	n/a	1-1.5"	4-8"	
Density, Unit:		2 YD2	2 YD2	
Weed 2 Code, Stage:	CHEAL	CHEAL	CHEAL	CHEAL
Stage Scale:	n/a	1-4"	4-8"	
Density, Unit:		3 YD2	3 YD2	
Weed 3 Code, Stage:	IPOHE	IPOHE	IPOHE	IPOHE
Stage Scale:		1-1.5"	3-6"	
Density, Unit:		3 YD2	3 YD2	
Weed 4 Code, Stage:	SETFA	SETFA	SETFA	SETFA
Stage Scale:			4-8"	
Density, Unit:			150 YD2	
Weed 5 Code, Stage:	ABUTH	ABUTH	ABUTH	ABUTH
Weed 6 Code, Stage:	AMARE	AMARE	AMARE	AMARE
Weed 7 Code, Stage:	CAPBP	CAPBP	CAPBP	CAPBP
Weed 8 Code, Stage:	TAROF	TAROF	TAROF	TAROF

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	Backpack	Backpack	BackPack	
Operating Pressure:	20psi	20psi	20 psi	
Nozzle Type:	XR	XR	XR	
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	
Incorporation Equip.:	None	None	None	
Hours to Incorp.:	0	0	0	
Incorp. Depth, Unit:	0 0	0 0	0 0	
Carrier:	H20	H20	H20	
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	
Propellant:	CO2	CO2	CO2	

Purdue University
Control of giant ragweed in Roundup Ready Soybean

Trial ID: 06S-THP-CTS-19
Location: Throckmorton

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

Trial Comments

Severe hail damage occurred on June 26th. Soybean plants were V3-V4, and hail damage caused about 80-90% defoliation and broke a few stems. Pictures of the damage were taken.

Purdue University

Control of giant ragweed in Roundup Ready Soybean

Trial ID: 06S-THP-CTS-19
 Location: Throckmorton

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

Weed Code									AMBTR	ABUTH	IPOHE	GLXMA	SETFA	AMBTR
Crop Code												PHYGEN	Count	Count
Rating Data Type									EFF	EFF	EFF	%	(3) .5M2	(3) .5M2
Rating Unit									%	%	%	%		
Rating Date									5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006
Crop Stage												V1	6-10"	6-10"
Weed Stage									3-4nodes	2nodes	2nodes			
Weed Density, Unit									3 YD2	2 YD2	3 YD2			
Assessed By									WGJ+GK	WGJ+GK	WGJ+GK	WGJ+GK	EC+GK	EC+GK
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	101	0	0	0	0	187	9
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	303	0	0	0	0	282	15
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D	607	0	0	0	0	68	5
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D	804	0	0	0	0	3	0
Mean =									0	0	0	0	135	7
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	102	97	100	100	0	135	1
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	401	93	100	85	0	252	2
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	602	85	100	95	5	47	4
								705	90	100	95	0	34	4
Mean =									91	100	94	1	117	3
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	103	93	100	100	0	139	9
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	305	95	100	95	0	433	2
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	507	88	95	97	10	709	6
								805	65	100	85	0	2	0
Mean =									85	99	94	3	321	4
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	104	95	95	100	0	.	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	306	95	100	100	5	.	.
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B	604	97	100	98	0	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	806	70	100	75	0	.	.
Mean =									89	99	93	1	.	.
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	105	97	100	100	0	.	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	301	95	100	97	10	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	503	95	100	97	0	.	.
								704	97	100	95	0	.	.
Mean =									96	100	97	3	.	.
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	106	0	0	0	0	.	.
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	403	0	0	0	0	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	601	0	0	0	0	.	.
								802	0	0	0	0	.	.
Mean =									0	0	0	0	.	.
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	107	95	100	97	0	.	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	304	87	97	97	0	.	.
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	502	93	97	100	13	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	702	85	95	90	0	.	.
Mean =									90	97	96	3	.	.
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	201	0	0	0	0	.	.
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B	307	0	0	0	0	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	501	0	0	0	0	.	.
								807	0	0	0	0	.	.
Mean =									0	0	0	0	.	.
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	202	95	97	100	0	.	.
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	402	93	100	100	5	.	.
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	606	95	100	97	5	.	.
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	701	97	100	90	0	.	.
Mean =									95	99	97	3	.	.

Purdue University

Weed Code								AMBTR	ABUTH	IPOHE	GLXMA	SETFA	AMBTR	
Crop Code								EFF	EFF	EFF	PHYGEN	Count	Count	
Rating Data Type								%	%	%	%	(3) .5M2	(3) .5M2	
Rating Unit								5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006	
Rating Date														
Crop Stage														
Weed Stage								3-4nodes	2nodes	2nodes	V1	6-10"	6-10"	
Weed Density, Unit								3 YD2	2 YD2	3 YD2	WGJ+GK	EC+GK	EC+GK	
Assessed By								WGJ+GK	WGJ+GK	WGJ+GK	WGJ+GK	EC+GK	EC+GK	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	203	93	97	97	13	.	.
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	302	87	97	100	5	.	.
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	506	85	97	100	5	.	.
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	703	88	95	97	5	.	.
	Mean =								88	97	99	7	.	.
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	204	97	97	100	0	.	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	404	90	100	97	0	.	.
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	603	80	100	95	5	.	.
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B	801	88	100	95	0	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						.	.
	Mean =								89	99	97	1	.	.
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	205	90	97	100	5	.	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	405	85	100	95	10	.	.
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	605	90	100	100	10	.	.
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	803	75	100	85	10	.	.
	Mean =								85	99	95	9	.	.
13	non-treated check							206	0	0	0	0	.	.
								407	0	0	0	0	.	.
								504	0	0	0	0	.	.
								706	0	0	0	0	.	.
	Mean =								0	0	0	0	.	.
14	non-treated check							207	0	0	0	0	.	.
								406	0	0	0	0	.	.
								505	0	0	0	0	.	.
								707	0	0	0	0	.	.
	Mean =								0	0	0	0	.	.

Purdue University

Weed Code									ABUTH	AMASS	CAPBP	IPOHE	TAROF	SETFA
Crop Code														
Rating Data Type									Count	Count	Count	Count	Count	EFF
Rating Unit									(3) .5M2	(3) .5M2	(3) .5M2	(3) .5M2	(3) .5M2	%
Rating Date									12/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006	20/Jun/2006
Crop Stage														
Weed Stage									8-12"	4-8"	1-4"	2-4"	1"	10-15"
Weed Density, Unit									EC+GK	EC+GK	EC+GK	EC+GK	EC+GK	150 YD2
Assessed By														AW
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	101	2	1	1	0	0	99
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	303	4	0	0	2	0	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D	607	1	0	0	0	1	99
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D	804	6	0	0	6	0	100
	Mean =									3	0	0	2	0	99
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	102	0	0	0	0	0	99
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	401	0	0	0	2	0	98
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	602	3	0	0	0	0	99
								705	3	0	0	0	0	100
	Mean =									2	0	0	1	0	99
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	103	0	0	0	0	0	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	305	5	0	0	1	0	99
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	507	2	2	0	7	0	98
								805	0	0	0	3	0	100
	Mean =									2	1	0	3	0	99
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	104	.	.	.	.	.	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	306	.	.	.	.	.	95
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B	604	.	.	.	.	.	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	806	.	.	.	.	.	100
	Mean =								
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	105	.	.	.	.	.	93
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	301	.	.	.	.	.	95
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	503	.	.	.	.	.	93
								704	.	.	.	.	.	100
	Mean =								
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	106	.	.	.	.	.	99
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	403	.	.	.	.	.	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	601	.	.	.	.	.	100
								802	.	.	.	.	.	100
	Mean =								
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	107	.	.	.	.	.	99
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	304	.	.	.	.	.	98
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	502	.	.	.	.	.	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	702	.	.	.	.	.	100
	Mean =								
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	201	.	.	.	.	.	98
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B	307	.	.	.	.	.	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	501	.	.	.	.	.	95
								807	.	.	.	.	.	98
	Mean =								
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	202	98
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	402	.	.	.	.	.	95
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	606	.	.	.	.	.	95
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	701	.	.	.	.	.	100
	Mean =								
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	203	.	.	.	.	.	99
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	302	.	.	.	.	.	98
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	506	.	.	.	.	.	80
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	703	.	.	.	.	.	100
	Mean =								

Purdue University

Weed Code									ABUTH	AMASS	CAPBP	IPOHE	TAROF	SETFA
Crop Code														
Rating Data Type									Count	Count	Count	Count	Count	EFF
Rating Unit									(3) .5M2	(3) .5M2	(3) .5M2	(3) .5M2	(3) .5M2	%
Rating Date									12/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006	20/Jun/2006
Crop Stage														
Weed Stage									8-12"	4-8"	1-4"	2-4"	1"	10-15"
Weed Density, Unit									EC+GK	EC+GK	EC+GK	EC+GK	EC+GK	150 YD2
Assessed By														AW
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	204	.	.	.	.	.	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	404	.	.	.	.	.	90
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	603	.	.	.	.	.	98
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B	801	.	.	.	.	.	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B		.	.	.	.	.
	Mean =								.	.	.	.	.	97
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	205	.	.	.	.	.	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	405	.	.	.	.	.	90
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	605	.	.	.	.	.	97
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	803	.	.	.	.	.	100
	Mean =								.	.	.	.	.	97
13	non-treated check							206	.	.	.	.	.	0
								407	.	.	.	.	.	0
								504	.	.	.	.	.	0
								706	.	.	.	.	.	0
	Mean =								.	.	.	.	.	0
14	non-treated check							207	.	.	.	.	.	0
								406	.	.	.	.	.	0
								505	.	.	.	.	.	0
								707	.	.	.	.	.	0
	Mean =								.	.	.	.	.	0

Purdue University

Weed Code									AMBTR	ABUTH	CHEAL	IOPHE	GLYMX	AMBTR
Crop Code													PHYGEN	
Rating Data Type									EFF	EFF	EFF	EFF		EFF
Rating Unit									%	%	%	%	%	%
Rating Date									20/Jun/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	26/Jun/2006
Crop Stage														
Weed Stage									12-24"	15"	12"	6-8"	6-8" V3	2-3FT
Weed Density, Unit									4.5 YD2	1 YD2	1 YD2	2 YD2		9 YD2
Assessed By									AW	AW	AW	AW	AW	GK+VM
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14	15	16	17	18
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	101	99	95	100	100	0	97
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	303	100	99	100	98	0	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D	607	97	100	100	97	0	95
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D	804	92	100	90	95	0	95
Mean =									97	99	98	98	0	96
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	102	100	100	100	100	0	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	401	99	100	100	99	0	98
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	602	99	100	100	96	0	100
								705	99	100	100	98	0	95
Mean =									99	100	100	98	0	98
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	103	99	100	100	98	0	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	305	99	100	100	98	0	100
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	507	100	100	100	99	5	100
								805	98	100	100	98	0	100
Mean =									99	100	100	98	1	100
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	104	100	100	100	100	5	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	306	100	100	100	99	5	100
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B	604	98	100	100	99	5	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	806	100	100	100	95	5	99
Mean =									100	100	100	98	5	99
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	105	95	98	100	99	0	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	301	99	100	100	98	0	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	503	95	100	100	100	0	98
								704	95	100	100	95	0	97
Mean =									96	100	100	98	0	99
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	106	100	100	85	95	5	100
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	403	98	100	100	99	10	98
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	601	92	100	100	97	0	95
								802	99	100	99	98	3	100
Mean =									97	100	96	97	5	98
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	107	100	98	100	98	5	99
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	304	100	100	100	98	5	100
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	502	97	99	100	99	5	99
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	702	100	100	100	98	3	98
Mean =									99	99	100	98	5	99
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	201	98	95	93	99	0	98
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B	307	90	100	95	99	5	95
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	501	95	99	99	98	0	92
								807	100	100	95	95	5	98
Mean =									96	99	96	98	3	96
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	202	99	99	100	100	10	100
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	402	90	100	100	98	10	98
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	606	99	100	100	100	10	98
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	701	97	99	99	98	3	97
Mean =									96	100	100	99	8	98
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	203	99	100	100	90	15	98
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	302	97	100	100	97	15	97
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	506	95	95	100	98	10	96
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	703	99	100	100	98	10	98
Mean =									98	99	100	96	13	97

Purdue University

Weed Code									AMBTR	ABUTH	CHEAL	IOPHE	GLYMX	AMBTR
Crop Code													PHYGEN	
Rating Data Type									EFF	EFF	EFF	EFF	PHYGEN	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									20/Jun/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006	26/Jun/2006
Crop Stage														
Weed Stage									12-24"	15"	12"	6-8"	6-8" V3	2-3FT
Weed Density, Unit									4.5 YD2	1 YD2	1 YD2	2 YD2		9 YD2
Assessed By									AW	AW	AW	AW	AW	GK+VM
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14	15	16	17	18
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	204	100	100	100	100	20	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	404	99	100	100	100	8	100
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	603	100	100	100	98	15	99
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B	801	100	100	100	98	5	99
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
	Mean =								100	100	100	99	12	100
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	205	99	100	100	100	18	99
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	405	100	100	100	100	10	100
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	605	100	100	100	99	15	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	803	100	100	100	95	10	100
	Mean =								100	100	100	98	13	100
13	non-treated check							206	0	0	0	0	0	0
								407	0	0	0	0	0	0
								504	0	0	0	0	0	0
								706	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0
14	non-treated check							207	0	0	0	0	0	0
								406	0	0	0	0	0	0
								505	0	0	0	0	0	0
								707	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0

Purdue University

Weed Code									ABUTH	SETFA	GLYMX	AMBTR	ABUTH	SETFA	AMBTR
Crop Code															
Rating Data Type									EFF	EFF	PHYGEN	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%	%
Rating Date									26/Jun/2006	26/Jun/2006	26/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	31/Jul/2006
Crop Stage												R1	R1	R1	R3
Weed Stage									2FT	2FT	11-14"V5	2-4FT	2FT	2-3 FT	4-6'
Weed Density, Unit Assessed By									3 YD2 GK+VAM	200 YD2 GK+VAM	GK+VAM	9 YD2	1 YD2	200 YD2	9 YD2
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	19	20	21	22	23	24	25
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	101	100	98	0	93	100	93	.
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	303	100	97	0	90	100	90	.
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D	607	100	99	0	96	100	98	.
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D	804	95	100	0	95	99	99	.
Mean =									99	99	0	94	100	95	.
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	102	100	98	0	99	100	97	95
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	401	99	98	0	97	100	96	90
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	602	100	99	0	99	100	99	100
								705	100	100	0	96	100	99	93
Mean =									100	99	0	98	100	98	95
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	103	100	98	0	100	100	98	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	305	100	98	0	97	100	98	90
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	507	100	98	0	99	100	95	98
								805	100	100	0	98	100	100	95
Mean =									100	99	0	99	100	98	96
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	104	100	96	0	100	100	96	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	306	100	96	0	100	100	90	100
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B	604	100	99	0	97	100	95	88
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	806	99	100	0	100	100	100	100
Mean =									100	98	0	99	100	95	97
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	105	100	95	0	100	100	91	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	301	100	95	0	100	100	88	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	503	99	96	0	99	100	85	93
								704	100	100	0	97	100	99	95
Mean =									100	97	0	99	100	91	97
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	106	100	95	0	95	100	96	90
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	403	99	97	0	97	100	96	90
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	601	100	99	0	94	100	99	85
								802	100	100	0	98	100	99	95
Mean =									100	98	0	96	100	98	90
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	107	98	98	0	100	100	98	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	304	100	97	0	100	100	97	100
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	502	99	99	0	100	100	97	97
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	702	100	99	0	98	100	100	95
Mean =									99	98	0	100	100	98	98
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	201	98	96	0	90	95	95	88
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B	307	100	95	0	90	100	93	80
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	501	100	98	0	88	100	97	70
								807	98	99	0	95	100	98	95
Mean =									99	97	0	91	99	96	83
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	202	99	96	0	97	98	95	95
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	402	100	97	0	97	100	94	80
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	606	100	98	0	100	100	99	100
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	701	100	100	0	97	100	100	95
Mean =									100	98	0	98	100	97	93
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	203	98	97	0	98	100	97	98
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	302	99	97	0	95	100	97	93
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	506	98	95	0	97	100	90	90
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	703	98	100	0	99	100	99	98
Mean =									98	97	0	97	100	96	95

Purdue University

Weed Code									ABUTH	SETFA	GLYMX	AMBTR	ABUTH	SETFA	AMBTR
Crop Code											PHYGEN				
Rating Data Type									EFF	EFF		EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%	%
Rating Date									26/Jun/2006	26/Jun/2006	26/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	31/Jul/2006
Crop Stage												R1	R1	R1	R3
Weed Stage									2FT	2FT	11-14"V5	2-4FT	2FT	2-3 FT	4-6'
Weed Density, Unit									3 YD2	200 YD2		9 YD2	1 YD2	200 YD2	9 YD2
Assessed By									GK+VAM	GK+VAM	GK+VAM				
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	19	20	21	22	23	24	25
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	204	99	97	0	100	100	90	98
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	404	100	95	0	100	100	88	95
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	603	100	99	0	99	100	96	95
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B	801	99	99	0	98	100	99	100
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B								
	Mean =								100	98	0	99	100	93	97
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	205	100	99	0	100	100	98	100
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	405	100	96	0	99	100	95	93
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	605	100	99	0	98	100	94	93
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	803	100	100	0	98	100	99	95
	Mean =								100	99	0	99	100	97	95
13	non-treated check							206	0	0	0	0	0	0	0
								407	0	0	0	0	0	0	0
								504	0	0	0	0	0	0	0
								706	0	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0	0
14	non-treated check							207	0	0	0	0	0	0	0
								406	0	0	0	0	0	0	0
								505	0	0	0	0	0	0	0
								707	0	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0	0

Purdue University

Weed Code										ABUTH	SETFA
Crop Code											
Rating Data Type										EFF	EFF
Rating Unit										%	%
Rating Date										31/Jul/2006	31/Jul/2006
Crop Stage										R3	R3
Weed Stage										2-4'	3-4'
Weed Density, Unit										1 YD2	200 YD2
Assessed By											
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot		26	27
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	101	.	.	
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	303	.	.	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D	607	.	.	
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D	804	.	.	
Mean =										.	.
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	102	100	70	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	401	100	60	
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	602	100	98	
								705	100	95	
Mean =										100	81
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	103	100	95	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	305	100	90	
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C	507	100	90	
								805	100	100	
Mean =										100	94
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	104	100	50	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	306	100	45	
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B	604	100	90	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	806	100	100	
Mean =										100	71
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	105	100	35	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	301	100	35	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	503	100	40	
								704	100	98	
Mean =										100	52
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	106	100	35	
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	403	100	45	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	601	100	95	
								802	100	95	
Mean =										100	68
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	107	100	95	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	304	100	85	
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	502	100	95	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	702	100	98	
Mean =										100	93
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	201	93	75	
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B	307	100	90	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	501	100	80	
								807	100	98	
Mean =										98	86
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	202	95	75	
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	402	100	70	
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	606	100	98	
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	701	100	100	
Mean =										99	86
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	203	100	93	
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B	302	100	95	
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B	506	100	85	
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B	703	100	98	
Mean =										100	93

Purdue University

Weed Code										ABUTH	SETFA
Crop Code											
Rating Data Type										EFF	EFF
Rating Unit										%	%
Rating Date										31/Jul/2006	31/Jul/2006
Crop Stage										R3	R3
Weed Stage										2-4'	3-4'
Weed Density, Unit										1 YD2	200 YD2
Assessed By											
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot			
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	204	100	60	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	404	100	30	
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	603	100	95	
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B	801	100	98	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B				
								Mean =	100	71	
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	205	100	95	
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	405	100	80	
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B	605	100	93	
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B	803	98	99	
								Mean =	100	92	
13	non-treated check							206	0	0	
								407	0	0	
								504	0	0	
								706	0	0	
								Mean =	0	0	
14	non-treated check							207	0	0	
								406	0	0	
								505	0	0	
								707	0	0	
								Mean =	0	0	

Purdue University

Control of giant ragweed in Roundup Ready Soybean

Trial ID: 06S-THP-CTS-19
 Location: Throckmorton

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

Weed Code								AMBTR	ABUTH	IPOHE	GLXMA	SETFA	AMBTR	ABUTH
Crop Code								EFF	EFF	EFF	PHYGEN	Count	Count	Count
Rating Data Type								%	%	%	%	(3) .5M2	(3) .5M2	(3) .5M2
Rating Unit								5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006
Rating Date														
Crop Stage								3-4nodes	2nodes	2nodes	V1	6-10"	6-10"	8-12"
Weed Stage								3 YD2	2 YD2	3 YD2				
Weed Density, Unit								WGJ+GK	WGJ+GK	WGJ+GK	WGJ+GK	EC+GK	EC+GK	EC+GK
Assessed By														
Tri	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
1	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	0 c	0 d	0 b	0 c	135 a	7 a	3 a
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D							
	AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D							
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	91 ab	100 a	94 a	1 c	117 a	3 a	2 a
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	85 b	99 ab	94 a	3 c	321 a	4 a	2 a
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C							
	AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	89 ab	99 ab	93 a	1 c			
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	96 a	100 a	97 a	3 c			
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	0 c	0 d	0 b	0 c			
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	90 ab	97 bc	96 a	3 bc			
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	0 c	0 d	0 b	0 c			
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	95 a	99 a	97 a	3 c			
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B							
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B							
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	88 ab	97 c	99 a	7 ab			
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B							
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B							
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	89 ab	99 a	97 a	1 c			
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B							
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	85 b	99 a	95 a	9 a			
	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							

Purdue University

Weed Code		AMBTR	ABUTH	IPHOE	GLXMA	SETFA	AMBTR	ABUTH
Crop Code					PHYGEN	Count	Count	Count
Rating Data Type		EFF	EFF	EFF	%	(3) .5M2	(3) .5M2	(3) .5M2
Rating Unit		%	%	%	%			
Rating Date		5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006
Crop Stage								
Weed Stage		3-4nodes	2nodes	2nodes	V1	6-10"	6-10"	8-12"
Weed Density, Unit		3 YD2	2 YD2	3 YD2				
Assessed By		WGJ+GK	WGJ+GK	WGJ+GK	WGJ+GK	EC+GK	EC+GK	EC+GK
Trt	Treatment	Rate	Rate	Product	Product	Grow	Appl	
No.	Name	Rate	Unit	Rate	Rate	Unit	Stg	Code
13	non-treated check	0	c	0	d	0	b	0
14	non-treated check	0	c	0	d	0	b	0
LSD (P=.05)		8.0	1.9	6.0	4.3	317.9	7.9	3.8
Standard Deviation		5.6	1.3	4.2	3.0	183.7	4.6	2.2
CV		9.64	2.1	6.84	140.38	96.24	96.48	102.34
Grand Mean		57.77	63.5	61.54	2.16	190.92	4.75	2.17
Bartlett's X2		23.125	3.484	16.605	6.716	4.519	4.788	0.297
P(Bartlett's X2)		0.003*	0.746	0.035*	0.568	0.104	0.091	0.862
Replicate F		3.754	0.834	5.853	2.388	1.698	0.798	0.746
Replicate Prob(F)		0.0184	0.4836	0.0021	0.0836	0.2658	0.5386	0.5630
Treatment F		258.830	5450.554	512.213	3.150	1.508	1.000	0.729
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0028	0.2948	0.4219	0.5208

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

Purdue University

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Crop Stage Weed Stage Weed Density, Unit Assessed By							AMASS	CAPBP	IPOHE	TAROF	SETFA	AMBTR	ABUTH		
							Count (3) .5M2 12/Jun/2006	Count (3) .5M2 12/Jun/2006	Count (3) .5M2 12/Jun/2006	Count (3) .5M2 12/Jun/2006	EFF % 20/Jun/2006	EFF % 20/Jun/2006	EFF % 20/Jun/2006		
							4-8" EC+GK	1-4" EC+GK	2-4" EC+GK	1" EC+GK	10-15" 150 YD2 AW	12-24" 4.5 YD2 AW	15" 1 YD2 AW		
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14	
1	Roundup OriginalMAX AMS	0.75 2.5	LB AE/A LB A/A	21.3 2.5	FL OZ/A LB/A	MIPOWE MIPOWE	C C	0 a	0 a	2 a	0 a	99 a	97 a-d	99 a	
	Roundup OriginalMAX AMS	0.75 2.5	LB AE/A LB A/A	21.3 2.5	FL OZ/A LB/A	LAPOWE LAPOWE	D D								
2	FirstRate Roundup OriginalMAX AMS	0.026 0.75 2.5	LB A/A LB AE/A LB A/A	0.031 21.3 2.5	LB/A FL OZ/A LB/A	PREPRE MIPOWE MIPOWE	A C C	0 a	0 a	1 a	0 a	99 a	99 abc	100 a	
3	Scepter Roundup OriginalMAX AMS	0.1225 0.75 2.5	LB A/A LB AE/A LB A/A	0.175 21.3 2.5	LB/A FL OZ/A LB/A	PREPRE MIPOWE MIPOWE	A C C	1 a	0 a	3 a	0 a	99 a	99 a-d	100 a	
4	FirstRate Roundup OriginalMAX Flexstar AMS	0.026 0.75 0.176 2.5	LB A/A LB AE/A LB A/A LB A/A	0.031 21.3 12 2.5	LB/A FL OZ/A FL OZ/A LB/A	PREPRE EAPOWE EAPOWE EAPOWE	A B B B					98 ab	100 ab	100 a	
5	FirstRate Roundup OriginalMAX AMS	0.026 0.75 2.5	LB A/A LB AE/A LB A/A	0.031 21.3 2.5	LB/A FL OZ/A LB/A	PREPRE EAPOWE EAPOWE	A B B					95 ab	96 cd	100 a	
6	Roundup OriginalMAX Flexstar AMS	0.75 0.294 2.5	LB AE/A LB A/A LB A/A	21.3 20 2.5	FL OZ/A FL OZ/A LB/A	EAPOWE EAPOWE EAPOWE	B B B					99 a	97 a-d	100 a	
7	Scepter Roundup OriginalMAX Flexstar AMS	0.1225 0.75 0.294 2.5	LB A/A LB AE/A LB A/A LB A/A	0.175 21.3 20 2.5	LB/A FL OZ/A FL OZ/A LB/A	PREPRE EAPOWE EAPOWE EAPOWE	A B B B					99 a	99 abc	99 a	
8	Roundup OriginalMAX Raptor AMS	0.75 0.0312 2.5	LB AE/A LB A/A LB A/A	21.3 4 2.5	FL OZ/A FL OZ/A LB/A	EAPOWE EAPOWE EAPOWE	B B B					97 ab	96 d	99 a	
9	FirstRate Flexstar Fusion NIS	0.026 0.294 0.2 0.5	LB A/A LB A/A LB A/A % V/V	0.031 20 9.6 0.5	LB/A FL OZ/A FL OZ/A % V/V	PREPRE EAPOWE EAPOWE EAPOWE	A B B B					97 ab	96 bcd	100 a	
10	Scepter Flexstar Fusion NIS	0.1225 0.294 0.2 0.5	LB A/A LB A/A LB A/A % V/V	0.175 20 9.6 0.5	LB/A FL OZ/A FL OZ/A % V/V	PREPRE EAPOWE EAPOWE EAPOWE	A B B B					94 b	98 a-d	99 a	
11	FirstRate Roundup OriginalMAX Cobra Harmony GT AMS	0.026 0.75 0.19 0.0039 2.5	LB A/A LB AE/A LB A/A LB A/A LB A/A	0.031 21.3 12.2 0.083 2.5	LB/A FL OZ/A FL OZ/A OZ/A LB/A	PREPRE EAPOWE EAPOWE EAPOWE EAPOWE	A B B B B					97 ab	100 a	100 a	
12	Scepter Roundup OriginalMAX Cobra AMS	0.1225 0.75 0.19 2.5	LB A/A LB AE/A LB A/A LB A/A	0.175 21.3 12.2 2.5	LB/A FL OZ/A FL OZ/A LB/A	PREPRE EAPOWE EAPOWE EAPOWE	A B B B					97 ab	100 a	100 a	
13	non-treated check												0 c	0 e	0 b

Purdue University

Weed Code							AMASS	CAPBP	IPOHE	TAROF	SETFA	AMBTR	ABUTH		
Crop Code															
Rating Data Type							Count	Count	Count	Count	EFF	EFF	EFF		
Rating Unit							(3) .5M2	(3) .5M2	(3) .5M2	(3) .5M2	%	%	%		
Rating Date							12/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006	20/Jun/2006	20/Jun/2006	20/Jun/2006		
Crop Stage															
Weed Stage							4-8"	1-4"	2-4"	1"	10-15"	12-24"	15"		
Weed Density, Unit											150 YD2	4.5 YD2	1 YD2		
Assessed By							EC+GK	EC+GK	EC+GK	EC+GK	AW	AW	AW		
Trt	Treatment	Rate	Unit	Product	Product	Grow	Appl								
No.	Name			Rate	Rate	Unit	Stg	Code	8	9	10	11	12	13	14
14	non-treated check												0 c	0 e	0 b
LSD (P=.05)							1.2	0.5	4.5	0.5	4.4	3.3	1.6		
Standard Deviation							0.7	0.3	2.6	0.3	3.1	2.3	1.1		
CV							274.87	346.41	149.07	346.41	3.69	2.74	1.33		
Grand Mean							0.25	0.08	1.75	0.08	83.61	84.02	85.29		
Bartlett's X2							1.323	0.0	3.324	0.0	41.52	33.247	8.767		
P(Bartlett's X2)							0.25	.	0.19	.	0.001*	0.001*	0.119		
Replicate F							0.647	1.000	0.731	1.000	3.825	1.162	2.448		
Replicate Prob(F)							0.6128	0.4547	0.5703	0.4547	0.0171	0.3365	0.0781		
Treatment F							0.529	1.000	0.771	1.000	527.655	957.447	4068.424		
Treatment Prob(F)							0.6141	0.4219	0.5033	0.4219	0.0001	0.0001	0.0001		

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

Purdue University

Weed Code							CHEAL	IOPHE	GLYMX	AMBTR	ABUTH	SETFA	GLYMX	
Crop Code							EFF	EFF	PHYGEN	EFF	EFF	EFF	PHYGEN	
Rating Data Type							%	%	%	%	%	%	%	
Rating Unit							20/Jun/2006	20/Jun/2006	20/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006	
Rating Date														
Crop Stage														
Weed Stage							12"	6-8"	6-8" V3	2-3FT	2FT	2FT	11-14"V5	
Weed Density, Unit							1 YD2	2 YD2		9 YD2	3 YD2	200 YD2		
Assessed By							AW	AW	AW	GK+VM	GK+VAM	GK+VAM	GK+VAM	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	15	16	17	18	19	20	21
1	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	98 ab	98 ab	0 e	96 de	99 bc	99 ab	0 a
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D							
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D							
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	100 a	98 a	0 e	98 bcd	100 ab	99 a	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C							
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	100 a	98 a	1 de	100 a	100 a	99 ab	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C							
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C							
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	100 a	98 a	5 cd	99 ab	100 ab	98 abc	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	100 a	98 ab	0 e	99 abc	100 ab	97 c	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
6	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	96 b	97 ab	5 cd	98 abc	100 ab	98 abc	0 a
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	100 a	98 a	5 cd	99 abc	99 abc	98 ab	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
8	Roundup OriginalMAX	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	96 b	98 ab	3 de	96 e	99 abc	97 bc	0 a
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	100 a	99 a	8 bc	98 abc	100 ab	98 abc	0 a
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B							
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B							
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	100 a	96 b	13 a	97 cde	98 c	97 abc	0 a
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B							
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B							
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B							
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	100 a	99 a	12 ab	100 ab	100 ab	98 abc	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B							
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	100 a	98 ab	13 a	100 a	100 a	99 ab	0 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B							
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B							
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B							
13	non-treated check							0 c	0 c	0 e	0 f	0 d	0 d	0 a

Purdue University

Weed Code							CHEAL	IOPHE	GLYMX	AMBTR	ABUTH	SETFA	GLYMX	
Crop Code									PHYGEN					PHYGEN
Rating Data Type							EFF	EFF		EFF	EFF	EFF		
Rating Unit							%	%	%	%	%	%		%
Rating Date							20/Jun/2006	20/Jun/2006	20/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006
Crop Stage														
Weed Stage							12"	6-8"	6-8" V3	2-3FT	2FT	2FT		11-14"V5
Weed Density, Unit							1 YD2	2 YD2		9 YD2	3 YD2	200 YD2		
Assessed By							AW	AW	AW	GK+VM	GK+VAM	GK+VAM		GK+VAM
Trt	Treatment	Rate	Unit	Product	Product	Grow	Appl							
No.	Name			Rate	Rate	Unit	Code	15	16	17	18	19	20	21
14	non-treated check							0 c	0 c	0 e	0 f	0 d	0 d	0 a
LSD (P=.05)							3.5	2.5	4.0	1.9	1.2	1.5	0.0	
Standard Deviation							2.5	1.7	2.8	1.3	0.8	1.1	0.0	
CV							2.9	2.06	61.16	1.55	1.0	1.26	0.0	
Grand Mean							84.91	83.95	4.55	84.27	85.25	83.86	0.0	
Bartlett's X2							13.359	16.619	9.396	15.696	21.448	5.807	0.0	
P(Bartlett's X2)							0.004*	0.12	0.225	0.109	0.011*	0.886	.	
Replicate F							1.153	2.225	1.881	2.968	1.356	19.617	0.000	
Replicate Prob(F)							0.3401	0.1006	0.1488	0.0436	0.2704	0.0001	1.0000	
Treatment F							857.616	1696.880	12.969	2991.150	7250.451	4512.997	0.000	
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	

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

Purdue University

Weed Code							AMBTR	ABUTH	SETFA	AMBTR	ABUTH	SETFA	
Crop Code													
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	
Rating Date							7/Jul/2006	7/Jul/2006	7/Jul/2006	31/Jul/2006	31/Jul/2006	31/Jul/2006	
Crop Stage							R1	R1	R1	R3	R3	R3	
Weed Stage							2-4FT	2FT	2-3 FT	4-6'	2-4'	3-4'	
Weed Density, Unit							9 YD2	1 YD2	200 YD2	9 YD2	1 YD2	200 YD2	
Assessed By													
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	22	23	24	25	26	27
1	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C	94 c	100 ab	95 ab			
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C						
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	LAPOWE	D						
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	LAPOWE	D						
2	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	98 ab	100 a	98 a	95 ab	100 a	81 abc
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C						
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C						
3	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	99 a	100 a	98 a	96 ab	100 a	94 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	MIPOWE	C						
	Roundup OriginalMAX AMS	2.5	LB A/A	2.5	LB/A	MIPOWE	C						
4	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	99 a	100 a	95 ab	97 a	100 a	71 bcd
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B						
	Flexstar	0.176	LB A/A	12	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
5	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	99 a	100 a	91 c	97 a	100 a	52 d
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
6	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	96 b	100 a	98 a	90 b	100 a	68 cd
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
7	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	100 a	100 a	98 a	98 a	100 a	93 a
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B						
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
8	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B	91 d	99 b	96 ab	83 c	98 b	86 abc
	Raptor	0.0312	LB A/A	4	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
9	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	98 ab	100 ab	97 a	93 ab	99 ab	86 abc
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B						
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B						
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B						
10	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	97 ab	100 a	96 ab	95 ab	100 a	93 a
	Flexstar	0.294	LB A/A	20	FL OZ/A	EAPOWE	B						
	Fusion	0.2	LB A/A	9.6	FL OZ/A	EAPOWE	B						
	NIS	0.5	% V/V	0.5	% V/V	EAPOWE	B						
11	FirstRate	0.026	LB A/A	0.031	LB/A	PREPRE	A	99 a	100 a	93 bc	97 a	100 a	71 cd
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B						
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B						
	Harmony GT	0.0039	LB A/A	0.083	OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
12	Scepter	0.1225	LB A/A	0.175	LB/A	PREPRE	A	99 a	100 a	97 ab	95 ab	100 ab	92 ab
	Roundup OriginalMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	EAPOWE	B						
	Cobra	0.19	LB A/A	12.2	FL OZ/A	EAPOWE	B						
	AMS	2.5	LB A/A	2.5	LB/A	EAPOWE	B						
13	non-treated check							0 e	0 c	0 d	0 d	0 c	0 e

Purdue University

Weed Code								AMBTR	ABUTH	SETFA	AMBTR	ABUTH	SETFA
Crop Code													
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit								%	%	%	%	%	%
Rating Date								7/Jul/2006	7/Jul/2006	7/Jul/2006	31/Jul/2006	31/Jul/2006	31/Jul/2006
Crop Stage								R1	R1	R1	R3	R3	R3
Weed Stage								2-4FT	2FT	2-3 FT	4-6'	2-4'	3-4'
Weed Density, Unit Assessed By								9 YD2	1 YD2	200 YD2	9 YD2	1 YD2	200 YD2
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	22	23	24	25	26	27
14	non-treated check							0 e	0 c	0 d	0 d	0 c	0 e
LSD (P=.05)								2.3	1.0	3.6	6.7	1.7	20.9
Standard Deviation								1.6	0.7	2.5	4.7	1.2	14.6
CV								1.94	0.84	3.08	5.91	1.41	21.5
Grand Mean								83.38	85.57	82.16	79.62	84.35	68.1
Bartlett's X2								8.541	6.765	13.536	13.56	3.752	24.408
P(Bartlett's X2)								0.664	0.034*	0.26	0.194	0.153	0.007*
Replicate F								0.497	1.573	9.420	2.931	1.796	9.593
Replicate Prob(F)								0.6867	0.2114	0.0001	0.0466	0.1654	0.0001
Treatment F								1911.081	10215.898	758.289	228.013	3966.461	19.901
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)