

LSU Northeast Research Station

EVALUATION OF IR6396 AND IR8116 FOR EARLY POST USE IN SOYBEAN

Trial ID: _____ Study Dir.: _____
 Location: _____ Investigator: Donnie Miller

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: _____ Study Design: RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
I.			

APPLICATION DESCRIPTION

	A	B
Application Date:	1/Jun/2006	21/Jul/2006
Time of Day:	12:00 PM	2:20 PM
Application Method:	SPRAY	SPRAY
Application Timing:	EAPOCR	LAPOCR
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	89 F	92 F
% Relative Humidity:	70	57
Wind Velocity, Unit:	0.9 MPH	3.8 MPH
Dew Presence (Y/N):	N	N
Water Hardness:		
Soil Temp., Unit:	84 F	90 F
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	80	30

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA 3 TRIFOL	GLXMA
Stage Scale:		
Height, Unit:		

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SORHA 4-6"	SORHA 12"
Stage Scale:		
Density, Unit:		
Weed 2 Code, Stage:	ECHCG 4-6"	ECHCG 12"
Stage Scale:		
Density, Unit:		
Weed 3 Code, Stage:	SEBEX 4-6"	SEBEX 12"
Stage Scale:		
Density, Unit:		
Weed 4 Code, Stage:	IPOHG 4-6"	IPOHG 12"
Stage Scale:		
Density, Unit:		
Weed 5 Code, Stage:	IPOLA 4-6"	IPOLA 12"
Stage Scale:		
Density, Unit:		
Weed 6 Code, Stage:	AMARE 4-6"	AMARE 12"
Stage Scale:		
Density, Unit:		

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCCK	TRACTOR
Operating Pressure:	35 PSI	35 psi
Nozzle Type:	AI	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20	20 IN
Nozzles/Row:	2	2
Band Width, Unit:		
Boom Length, Unit:		
Boom Height, Unit:		
Ground Speed, Unit:	3.2 MPH	3.2 MPH
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Spray pH:		
Propellant:		
Tank Mix (Y/N):		

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Trial ID:				Study Dir.:													
Location:				Investigator: Donnie Miller													
Weed Code				SORHA		ECHCG		SEBEX		IPOHG		IPOLA		AMARE		GLXMA	
Crop Code				GLXMA		GLXMA		GLXMA		GLXMA		GLXMA		GLXMA		GLXMA	
Rating Data Type				CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		INJURY	
Rating Unit				%		%		%		%		%		%		%	
Rating Date				8/Jun/2006		8/Jun/2006		8/Jun/2006		8/Jun/2006		8/Jun/2006		8/Jun/2006		8/Jun/2006	
Trt-Eval Interval				7 DA-A		7 DA-A		7 DA-A		7 DA-A		7 DA-A		7 DA-A		7 DA-A	
ARM Action Codes																	
# Subsamples, Dec.																	
Trt Treatment				1		2		3		4		5		6		7	
No. Name				Rate		Unit		Appl		Code							
1 ROUNDUP WEATHERMAX				22 oz/a		A		85.00 a		82.50 abc		95.00 a		83.75 de		83.75 de	
ROUNDUP WEATHERMAX				22 oz/a		B										95.00 a	
2 ROUNDUP WEATHERMAX				22 oz/a		A		81.25 a		81.25 a-d		68.75 b		82.50 e		82.50 e	
IR6396				0.684 oz/a		A										95.00 a	
SELECT				16 oz/a		B										33.75 ef	
AGRINDEX				1 qt/a		B											
3 ROUNDUP WEATHERMAX				22 oz/a		A		82.50 a		81.25 a-d		91.25 a		88.75 bcd		88.75 bcd	
IR6396				1.37 oz/a		A										95.00 a	
SELECT				16 oz/a		B										33.75 ef	
AGRINDEX				1 qt/a		B											
4 ROUNDUP WEATHERMAX				22 oz/a		A		82.50 a		81.25 a-d		95.00 a		93.75 ab		93.75 ab	
IR6396				2.06 oz/a		A										95.00 a	
SELECT				16 oz/a		B										38.75 cde	
AGRINDEX				1 qt/a		B											
5 ROUNDUP WEATHERMAX				22 oz/a		A		82.50 a		86.25 ab		95.00 a		87.50 cde		87.50 cde	
IR8116				0.684 oz/a		A										93.75 a	
SELECT				16 oz/a		B										37.50 de	
AGRINDEX				1 qt/a		B											
6 ROUNDUP WEATHERMAX				22 oz/a		A		83.75 a		85.00 abc		91.25 a		92.50 abc		92.50 abc	
IR8116				1.37 oz/a		A										93.75 a	
SELECT				16 oz/a		B										41.25 cd	
AGRINDEX				1 qt/a		B											
7 ROUNDUP WEATHERMAX				22 oz/a		A		83.75 a		81.25 a-d		95.00 a		92.50 abc		92.50 abc	
IR8116				2.06 oz/a		A										95.00 a	
SELECT				16 oz/a		B										47.50 b	
AGRINDEX				1 qt/a		B											
8 SEQUENCE				3.5 pt/a		A		83.75 a		87.50 a		95.00 a		91.25 abc		91.25 abc	
IR6396				2.06 oz/a		A										95.00 a	
SELECT				16 oz/a		B										43.75 bc	
AGRINDEX				1 qt/a		B											
9 SEQUENCE				3.5 pt/a		A		81.25 a		83.75 abc		95.00 a		95.00 a		95.00 a	
IR8116				2.06 oz/a		A										93.75 a	
SELECT				16 oz/a		B										58.75 a	
AGRINDEX				1 qt/a		B											
10 ROUNDUP WEATHERMAX				22 oz/a		A		81.25 a		77.50 cd		95.00 a		93.75 ab		93.75 ab	
BASAGRAN				1.5 pt/a		A										95.00 a	
IR6396				2.06 oz/a		A										37.50 de	
SELECT				16 oz/a		B											
AGRINDEX				1 qt/a		B											
11 ROUNDUP WEATHERMAX				22 oz/a		A		81.25 a		78.75 bcd		95.00 a		95.00 a		95.00 a	
BASAGRAN				1.5 pt/a		A										93.75 a	
IR8116				2.06 oz/a		A										43.75 bc	
SELECT				16 oz/a		B											
AGRINDEX				1 qt/a		B											
12 ROUNDUP WEATHERMAX				22 oz/a		A		83.75 a		73.75 d		95.00 a		95.00 a		95.00 a	
FLEXSTAR				12 oz/a		A										95.00 a	
SELECT				16 oz/a		B										37.50 de	
AGRINDEX				1 qt/a		B											
13 ROUNDUP WEATHERMAX				22 oz/a		A		83.75 a		85.00 abc		92.50 a		95.00 a		95.00 a	
RESOURCE				8 oz/a		A										93.75 a	
SELECT				16 oz/a		B										31.25 f	
AGRINDEX				1 qt/a		B											

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Weed Code				SORHA	ECHCG	SEBEX	IPOHG	IPOLA	AMARE	GLXMA	
Crop Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	
Rating Unit				%	%	%	%	%	%	%	
Rating Date				8/Jun/2006	8/Jun/2006	8/Jun/2006	8/Jun/2006	8/Jun/2006	8/Jun/2006	8/Jun/2006	
Trt-Eval Interval				7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	
ARM Action Codes											
# Subsamples, Dec.											
Trt	Treatment	Rate	Unit	Appl							
No.	Name			Code	1	2	3	4	5	6	7
14	ROUNDUP WEATHERMAX	22 oz/a	A		85.00 a	87.50 a	92.50 a	91.25 abc	91.25 abc	93.75 a	28.75 f
	AIM	0.25 oz/a	A								
	SELECT	16 oz/a	B								
	AGRIDEX	1 qt/a	B								
15	NTC				0.00 b	0.00 e	0.00 c	0.00 f	0.00 f	0.00 b	0.00 g
LSD (P=.05)					3.960	8.695	17.295	5.420	5.420	2.177	6.149
Standard Deviation					2.771	6.085	12.102	3.793	3.793	1.524	4.303
CV					3.58	7.92	14.06	4.45	4.45	1.73	12.56
Grand Mean					77.42	76.83	86.08	85.17	85.17	88.17	34.25
Bartlett's X2					7.264	25.278	32.374	12.774	12.774	0.0	10.416
P(Bartlett's X2)					0.84	0.014*	0.001*	0.173	0.173	1.00	0.579
Replicate F					5.264	0.405	1.035	2.510	2.510	2.154	2.543
Replicate Prob(F)					0.0036	0.7501	0.3871	0.0717	0.0717	0.1078	0.0690
Treatment F					239.822	50.350	16.702	158.826	158.826	1025.718	53.141
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)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				SORHA	ECHCG	SEBEX	IPOHG	IPOLA	
Crop Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Data Type				AVG CROP HT	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit				CM	%	%	%	%	
Rating Date				12/Jun/2006	15/Jun/2006	15/Jun/2006	15/Jun/2006	15/Jun/2006	
Trt-Eval Interval				11 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate	Appl						
No. Name	Unit	Unit	Code	8	9	10	11	12	
1 ROUNDUP WEATHERMAX	22 oz/a	A		26.58 ab	93.75 a	91.25 a	95.00 a	81.25 d	81.25 d
ROUNDUP WEATHERMAX	22 oz/a	B							
2 ROUNDUP WEATHERMAX	22 oz/a	A		23.58 bcd	95.00 a	91.25 a	93.75 ab	85.00 cd	85.00 cd
IR6396	0.684 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
3 ROUNDUP WEATHERMAX	22 oz/a	A		23.90 bcd	95.00 a	91.25 a	93.75 ab	90.00 abc	90.00 abc
IR6396	1.37 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
4 ROUNDUP WEATHERMAX	22 oz/a	A		23.40 bcd	95.00 a	91.25 a	95.00 a	91.25 ab	91.25 ab
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
5 ROUNDUP WEATHERMAX	22 oz/a	A		23.68 bcd	95.00 a	90.00 ab	95.00 a	88.75 bc	88.75 bc
IR8116	0.684 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
6 ROUNDUP WEATHERMAX	22 oz/a	A		24.35 abc	95.00 a	93.75 a	92.50 b	93.75 ab	93.75 ab
IR8116	1.37 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
7 ROUNDUP WEATHERMAX	22 oz/a	A		20.80 de	95.00 a	88.75 ab	95.00 a	92.50 ab	92.50 ab
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
8 SEQUENCE	3.5 pt/a	A		24.43 abc	95.00 a	93.75 a	95.00 a	95.00 a	95.00 a
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
9 SEQUENCE	3.5 pt/a	A		19.38 e	95.00 a	93.75 a	95.00 a	93.75 ab	93.75 ab
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
10 ROUNDUP WEATHERMAX	22 oz/a	A		24.88 abc	95.00 a	85.00 bc	95.00 a	91.25 ab	91.25 ab
BASAGRAN	1.5 pt/a	A							
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
11 ROUNDUP WEATHERMAX	22 oz/a	A		22.75 cd	95.00 a	90.00 ab	95.00 a	95.00 a	95.00 a
BASAGRAN	1.5 pt/a	A							
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
12 ROUNDUP WEATHERMAX	22 oz/a	A		23.15 cd	95.00 a	81.25 c	95.00 a	95.00 a	95.00 a
FLEXSTAR	12 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
13 ROUNDUP WEATHERMAX	22 oz/a	A		23.20 cd	95.00 a	92.50 a	93.75 ab	95.00 a	95.00 a
RESOURCE	8 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							
14 ROUNDUP WEATHERMAX	22 oz/a	A		27.70 a	93.75 a	93.75 a	95.00 a	95.00 a	95.00 a
AIM	0.25 oz/a	A							
SELECT	16 oz/a	B							
AGRIDEX	1 qt/a	B							

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Weed Code	GLXMA	SORHA	ECHCG	SEBEX	IPOHG	IPOLA
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	AVG CROP HT	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	CM	%	%	%	%	%
Rating Date	12/Jun/2006	15/Jun/2006	15/Jun/2006	15/Jun/2006	15/Jun/2006	15/Jun/2006
Trt-Eval Interval	11 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
ARM Action Codes						
# Subsamples, Dec.						
Trt Treatment	Rate	Appl				
No. Name	Rate	Unit	Code			
15 NTC	8			9	10	11
	24.23 bc			0.00 b	0.00 d	0.00 c
						0.00 e
LSD (P=.05)	3.362	1.320	6.122	1.931	5.088	5.088
Standard Deviation	2.352	0.924	4.284	1.351	3.561	3.561
CV	9.91	1.04	5.07	1.53	4.16	4.16
Grand Mean	23.73	88.5	84.5	88.25	85.5	85.5
Bartlett's X2	16.968	0.0	10.685	0.095	5.008	5.008
P(Bartlett's X2)	0.258	1.00	0.556	0.992	0.659	0.659
Replicate F	6.545	0.651	0.757	0.837	1.446	1.446
Replicate Prob(F)	0.0010	0.5867	0.5247	0.4812	0.2430	0.2430
Treatment F	2.869	2811.140	121.709	1307.348	181.676	181.676
Treatment Prob(F)	0.0042	0.0001	0.0001	0.0001	0.0001	0.0001

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				AMARE	GLXMA	GLXMA	SORHA	ECHCG	SEBEX
Crop Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type				CONTROL	INJURY	AVG CROP HT	CONTROL	CONTROL	CONTROL
Rating Unit				%	%	CM	%	%	%
Rating Date				15/Jun/2006	15/Jun/2006	22/Jun/2006	29/Jun/2006	29/Jun/2006	29/Jun/2006
Trt-Eval Interval				14 DA-A	14 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate	Appl						
No. Name	Rate	Unit	Code	14	15	16	17	18	19
1 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	1.25 e	39.28 a	95.00 a	91.25 a-d	95.00 a
ROUNDUP WEATHERMAX	22	oz/a	B						
2 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	35.00 d	36.10 a	95.00 a	87.50 b-e	85.00 b
IR6396	0.684	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
3 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	36.25 cd	38.03 a	95.00 a	87.50 b-e	91.25 ab
IR6396	1.37	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
4 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	40.00 bcd	37.98 a	95.00 a	85.00 de	95.00 a
IR6396	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
5 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	37.50 cd	34.58 a	93.75 b	90.00 a-d	90.00 ab
IR8116	0.684	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
6 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	37.50 cd	32.98 a	95.00 a	93.75 ab	85.00 b
IR8116	1.37	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
7 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	42.50 bc	30.93 a	95.00 a	86.25 cde	88.75 ab
IR8116	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
8 SEQUENCE	3.5	pt/a	A	95.00 a	45.00 ab	39.20 a	95.00 a	93.75 ab	92.50 a
IR6396	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
9 SEQUENCE	3.5	pt/a	A	95.00 a	51.25 a	33.80 a	95.00 a	95.00 a	88.75 ab
IR8116	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
10 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	42.50 bc	35.55 a	95.00 a	88.75 a-d	91.25 ab
BASAGRAN	1.5	pt/a	A						
IR6396	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
11 ROUNDUP WEATHERMAX	22	oz/a	A	93.75 a	38.75 bcd	33.05 a	95.00 a	88.75 a-d	90.00 ab
BASAGRAN	1.5	pt/a	A						
IR8116	2.06	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
12 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	40.00 bcd	38.48 a	95.00 a	81.25 e	91.25 ab
FLEXSTAR	12	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
13 ROUNDUP WEATHERMAX	22	oz/a	A	95.00 a	38.75 bcd	39.13 a	95.00 a	92.50 abc	90.00 ab
RESOURCE	8	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						
14 ROUNDUP WEATHERMAX	22	oz/a	A	93.75 a	36.25 cd	40.48 a	95.00 a	90.00 a-d	91.25 ab
AIM	0.25	oz/a	A						
SELECT	16	oz/a	B						
AGRIDEX	1	qt/a	B						

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Weed Code	AMARE	GLXMA	GLXMA	SORHA	ECHCG	SEBEX							
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA							
Rating Data Type	CONTROL	INJURY	AVG CROP HT	CONTROL	CONTROL	CONTROL							
Rating Unit	%	%	CM	%	%	%							
Rating Date	15/Jun/2006	15/Jun/2006	22/Jun/2006	29/Jun/2006	29/Jun/2006	29/Jun/2006							
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A							
ARM Action Codes													
# Subsamples, Dec.													
Trt Treatment													
No. Name	Rate	Unit	Code	14	15	16	17	18	19				
15 NTC	0.00	b		0.00	e	33.93	a	0.00	c	0.00	f	0.00	c
LSD (P=.05)	1.257			7.338		6.663		0.922		6.850		6.929	
Standard Deviation	0.880			5.135		4.663		0.645		4.793		4.849	
CV	0.99			14.74		12.87		0.73		5.75		5.75	
Grand Mean	88.5			34.83		36.23		88.58		83.42		84.33	
Bartlett's X2	0.0			10.931		16.554		0.0		9.312		10.243	
P(Bartlett's X2)	1.00			0.535		0.281		.		0.593		0.509	
Replicate F	2.154			0.695		3.992		1.000		1.324		8.506	
Replicate Prob(F)	0.1078			0.5601		0.0137		0.4023		0.2794		0.0002	
Treatment F	3099.462			31.790		1.565		5766.144		95.031		93.982	
Treatment Prob(F)	0.0001			0.0001		0.1303		0.0001		0.0001		0.0001	

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code			IPOHG	IPOLA	AMARE		GLXMA	GLXMA	
Crop Code			GLXMA	GLXMA	GLXMA		GLXMA	GLXMA	
Rating Data Type			CONTROL	CONTROL	CONTROL		AVG CROP HT	YIELD	
Rating Unit			%	%	%		CM	LB/PLOT	
Rating Date			29/Jun/2006	29/Jun/2006	29/Jun/2006	29/Jun/2006	11/Jul/2006	7/Sep/2006	
Trt-Eval Interval			28 DA-A	28 DA-A	28 DA-A	28 DA-A	40 DA-A		
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate Unit	Appl Code						
No. Name				20	21	22	23	24	25
1 ROUNDUP WEATHERMAX	22 oz/a	A		85.00 b	85.00 b	92.50 a	2.50 bcd	70.68 a	6.15 a
ROUNDUP WEATHERMAX	22 oz/a	B							
2 ROUNDUP WEATHERMAX	22 oz/a	A		83.75 b	83.75 b	93.75 a	7.50 ab	64.88 abc	4.85 ab
IR6396	0.684 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
3 ROUNDUP WEATHERMAX	22 oz/a	A		85.00 b	85.00 b	88.75 ab	8.75 a	69.50 ab	5.95 a
IR6396	1.37 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
4 ROUNDUP WEATHERMAX	22 oz/a	A		88.75 ab	88.75 ab	95.00 a	6.25 abc	69.60 ab	6.00 a
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
5 ROUNDUP WEATHERMAX	22 oz/a	A		86.25 ab	86.25 ab	87.50 ab	1.25 cd	69.03 ab	5.58 ab
IR8116	0.684 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
6 ROUNDUP WEATHERMAX	22 oz/a	A		90.00 ab	90.00 ab	92.50 a	2.50 bcd	65.28 abc	5.00 ab
IR8116	1.37 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
7 ROUNDUP WEATHERMAX	22 oz/a	A		83.75 b	83.75 b	90.00 ab	2.50 bcd	61.65 bcd	4.78 ab
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
8 SEQUENCE	3.5 pt/a	A		93.75 a	93.75 a	95.00 a	7.50 ab	70.45 a	6.20 a
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
9 SEQUENCE	3.5 pt/a	A		86.25 ab	87.50 ab	93.75 a	3.75 a-d	58.38 cd	4.00 b
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
10 ROUNDUP WEATHERMAX	22 oz/a	A		88.75 ab	88.75 ab	91.25 a	6.25 abc	66.13 abc	5.38 ab
BASAGRAN	1.5 pt/a	A							
IR6396	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
11 ROUNDUP WEATHERMAX	22 oz/a	A		87.50 ab	87.50 ab	82.50 b	3.75 a-d	67.03 ab	4.90 ab
BASAGRAN	1.5 pt/a	A							
IR8116	2.06 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
12 ROUNDUP WEATHERMAX	22 oz/a	A		93.75 a	93.75 a	93.75 a	8.75 a	67.55 ab	6.48 a
FLEXSTAR	12 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
13 ROUNDUP WEATHERMAX	22 oz/a	A		91.25 ab	91.25 ab	91.25 a	7.50 ab	69.93 a	6.05 a
RESOURCE	8 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							
14 ROUNDUP WEATHERMAX	22 oz/a	A		87.50 ab	87.50 ab	88.75 ab	7.50 ab	72.78 a	6.03 a
AIM	0.25 oz/a	A							
SELECT	16 oz/a	B							
AGRINDEX	1 qt/a	B							

LSU Northeast Research Station

Weed Code	IPOHG	IPOLA	AMARE						
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	AVG CROP HT	YIELD			
Rating Unit	%	%	%	%	CM	LB/PLOT			
Rating Date	29/Jun/2006	29/Jun/2006	29/Jun/2006	29/Jun/2006	11/Jul/2006	7/Sep/2006			
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	40 DA-A				
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate	Unit	Appl						
No. Name			Code	20	21	22	23	24	25
15 NTC	0.00	c		0.00 c	0.00 c	0.00 c	0.00 d	54.40 d	1.60 c
LSD (P=.05)	7.778			7.899	8.092	5.439	8.225	1.765	
Standard Deviation	5.443			5.528	5.662	3.806	5.755	1.235	
CV	6.63			6.73	6.66	74.87	8.66	23.47	
Grand Mean	82.08			82.17	85.08	5.08	66.48	5.26	
Bartlett's X2	21.755			22.771	17.426	13.35	21.442	14.742	
P(Bartlett's X2)	0.04*			0.03*	0.096	0.421	0.091	0.396	
Replicate F	3.652			3.727	0.360	3.404	1.553	3.761	
Replicate Prob(F)	0.0199			0.0183	0.7825	0.0262	0.2150	0.0177	
Treatment F	71.001			68.945	70.493	2.310	3.025	3.949	
Treatment Prob(F)	0.0001			0.0001	0.0001	0.0184	0.0028	0.0003	

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code				GLXMA	GLXMA
Crop Code				MOISTURE	YIELD
Rating Data Type				%	BU/A
Rating Unit				7/Sep/2006	7/Sep/2006
Rating Date					
Trt-Eval Interval					
ARM Action Codes					TY1
# Subsamples, Dec.					1
Trt No.	Treatment Name	Rate	Unit	Appl Code	
1	ROUNDUP WEATHERMAX	22	oz/a	A	12.40 a
	ROUNDUP WEATHERMAX	22	oz/a	B	27.0 a
2	ROUNDUP WEATHERMAX	22	oz/a	A	12.70 a
	IR6396	0.684	oz/a	A	21.2 abc
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
3	ROUNDUP WEATHERMAX	22	oz/a	A	12.58 a
	IR6396	1.37	oz/a	A	26.1 ab
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
4	ROUNDUP WEATHERMAX	22	oz/a	A	12.75 a
	IR6396	2.06	oz/a	A	26.2 ab
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
5	ROUNDUP WEATHERMAX	22	oz/a	A	15.23 a
	IR8116	0.684	oz/a	A	23.7 abc
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
6	ROUNDUP WEATHERMAX	22	oz/a	A	12.85 a
	IR8116	1.37	oz/a	A	21.8 abc
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
7	ROUNDUP WEATHERMAX	22	oz/a	A	16.95 a
	IR8116	2.06	oz/a	A	19.8 abc
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
8	SEQUENCE	3.5	pt/a	A	13.33 a
	IR6396	2.06	oz/a	A	26.9 a
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
9	SEQUENCE	3.5	pt/a	A	36.15 a
	IR8116	2.06	oz/a	A	15.0 cd
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
10	ROUNDUP WEATHERMAX	22	oz/a	A	14.70 a
	BASAGRAN	1.5	pt/a	A	22.9 abc
	IR6396	2.06	oz/a	A	
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
11	ROUNDUP WEATHERMAX	22	oz/a	A	37.50 a
	BASAGRAN	1.5	pt/a	A	17.4 bc
	IR8116	2.06	oz/a	A	
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
12	ROUNDUP WEATHERMAX	22	oz/a	A	12.60 a
	FLEXSTAR	12	oz/a	A	28.3 a
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
13	ROUNDUP WEATHERMAX	22	oz/a	A	19.53 a
	RESOURCE	8	oz/a	A	24.0 abc
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	
14	ROUNDUP WEATHERMAX	22	oz/a	A	13.05 a
	AIM	0.25	oz/a	A	26.2 ab
	SELECT	16	oz/a	B	
	AGRIDEX	1	qt/a	B	

LSU Northeast Research Station

Weed Code					
Crop Code				GLXMA	GLXMA
Rating Data Type				MOISTURE	YIELD
Rating Unit				%	BU/A
Rating Date				7/Sep/2006	7/Sep/2006
Trt-Eval Interval					
ARM Action Codes					TY1
# Subsamples, Dec.					1
Trt Treatment		Rate	Appl		
No. Name		Unit	Code	26	27
15 NTC				12.98 a	6.6 d
LSD (P=.05)				23.882	9.38
Standard Deviation				16.711	6.56
CV				98.2	29.54
Grand Mean				17.02	22.22
Bartlett's X2				154.553	24.337
P(Bartlett's X2)				0.001*	0.042*
Replicate F				1.561	2.345
Replicate Prob(F)				0.2130	0.0865
Treatment F				0.983	3.056
Treatment Prob(F)				0.4862	0.0026

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 27: TY1 = 4.353823*[25]*(100-[26])/87
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