

LSU Northeast Research Station
SOYBEAN 2-PASS PROGRAM FOR THE SOUTH

GENERAL TRIAL INFORMATION

Study Director: DUPONT
 Investigator: Donnie Miller
 TRIAL LOCATION: ST JOSEPH, LA

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. COPSS	Swinecress	Coronopus sp.
2. GERDI	Cut-leaf geranium	Geranium dissectum
3. RANSS	Buttercup	Ranunculus sp.
4. CERVU	Chickweed, mouse-ear	Cerastium vulgatum
5. KRICA	WEEDY DWARFDANDELION	Krigia caespitosa
6. MEDPO	California burclover	Medicago polymorpha
7. CASOB	Sickle pod	Cassia obtusifolia
8. SEBEX	Coffeebean	Sesbania exaltata
9. IPOLA	Morningglory, pitted	Ipomoea lacunosa
10. IPOHG	Morningglory, entireleaf	Ipomoea hederacea
11. ECHCG	Barnyardgrass, common	Echinochloa crus-galli
12. DIGSA	Crabgrass, large	Digitaria sanguinalis

Crop 1: GLXMA SOYBEAN
 Variety: P95M502
 Planting Date: 6/May/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
 Plot Length, Unit: 25 FT
 Reps: 4
 Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 12 % OM: 2.4
 % Silt: 42 pH: 6.2
 % Clay: 46 CEC: 16.7
 Texture: SILTY CLAY

APPLICATION DESCRIPTION

	A	B
Application Date:	7/Apr/2008	22/May/2008
Time of Day:	11:05 AM	2:35 PM
Application Method:	SPRAY	SPRAY
Application Timing:	EARPRE	POSPOS
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	78 F	83 F
% Relative Humidity:	44	76
Wind Velocity, Unit:	3.0 MPH	3.6 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	68 F	89 F
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	0	30

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA N/A	GLXMA 2

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	COPSS 2-4" DIA	COPSS N/A
Weed 2 Code, Stage:	GERDI 6-8" DIA	GERDI N/A
Weed 3 Code, Stage:	RANSS 4-6"	RANSS N/A
Weed 4 Code, Stage:	CERVU 2-4"	CERVU N/A
Weed 5 Code, Stage:	KRICA 4-6"	KRICA N/A
Weed 6 Code, Stage:	MEDPO 6-8" DIA	MEDPO N/A
Weed 7 Code, Stage:	CASOB N/A	CASOB 2-4"
Weed 8 Code, Stage:	SEBEX N/A	SEBEX 2-4"
Weed 9 Code, Stage:	IPOLA N/A	IPOLA 2-4"
Weed10 Code, Stage:	IPOHG N/A	IPOHG 2-4"
Weed11 Code, Stage:	ECHCG N/A	ECHCG 2-4"
Weed12 Code, Stage:	DIGSA N/A	DIGSA 2-4"

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCK	CO2 BCPCK
Operating Pressure:	34 psi	34 psi
Nozzle Type:	DG	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	2	2
Ground Speed, Unit:	3.2 MPH	3.2 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA

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Weed Code			COPSS	GERDI	RANSA	CERVU	KRICA	MEDPO	COPSS	GERDI	RANSA	CERVU		
Crop Code			CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Data Type			%	%	%	%	%	%	%	%	%	%		
Rating Unit														
Rating Date			21/Apr/2008	21/Apr/2008	21/Apr/2008	21/Apr/2008	21/Apr/2008	21/Apr/2008	5/May/2008	5/May/2008	5/May/2008	5/May/2008		
Trt-Eval Interval			14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A		
ARM Action Codes														
# Subsamples, Dec.														
Trt Treatment		Rate	Unit	Appl										
No. Name				Code	1	2	3	4	5	6	7	8	9	10
1 CLASSIC		0.32	oz ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	96.25 a	100.00 a	100.00 a	100.00 a	100.00
HARMONY GT		0.10	oz ai/a	A										
VALOR		1	oz ai/a	A										
ROUNDUP POWERMAX		22	oz/a	A										
NIS		0.25	% v/v	A										
BARRAGE		1.0	lb ai/a	A										
CLASSIC		0.375	oz/a	B										
ROUNDUP POWERMAX		22	oz/a	B										
2 CLASSIC		0.454	oz ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	85.00 b	100.00 a	100.00 a	100.00 a	100.00
EXPRESS		0.136	oz ai/a	A										
ROUNDUP POWERMAX		22	oz/a	A										
NIS		0.25	% v/v	A										
BARRAGE		1.0	lb ai/a	A										
CLASSIC		0.375	oz/a	B										
ROUNDUP POWERMAX		22	oz/a	B										
3 CANOPY		4	oz/a	A	98.75 a	96.25 a	100.00 a	100.00 a	100.00 a	98.75 a	100.00 a	100.00 a	100.00 a	100.00
ROUNDUP POWERMAX		22	oz/a	A										
NIS		0.25	% v/v	A										
BARRAGE		1.0	lb ai/a	A										
CLASSIC		0.375	oz/a	B										
ROUNDUP POWERMAX		22	oz/a	B										
4 VALOR		2	oz/a	A	25.00 b	25.00 b	25.00 b	25.00 b	30.00 b	15.00 c	10.00 b	10.00 b	10.00 b	10.00
ROUNDUP POWERMAX		22	oz/a	A										
SEQUENCE		2.5	pt/a	B										
5 CLASSIC		0.454	oz ai/a	A	98.75 a	100.00 a	100.00 a	100.00 a	100.00 a	95.00 a	100.00 a	100.00 a	100.00 a	100.00
EXPRESS		0.136	oz ai/a	A										
ROUNDUP POWERMAX		22	oz/a	A										
NIS		0.25	% v/v	A										
BARRAGE		1.0	lb ai/a	A										
SEQUENCE		2.5	pt/a	B										
6 CLASSIC		0.454	oz ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	93.75 ab	100.00 a	100.00 a	100.00 a	100.00
EXPRESS		0.136	oz ai/a	A										
ROUNDUP POWERMAX		22	oz/a	A										
NIS		0.25	% v/v	A										
BARRAGE		1.0	lb ai/a	A										
SEQUENCE		2.5	pt/a	B										
CLASSIC		0.215	oz ai/a	B										
HARMONY GT		0.069	oz ai/a	B										
7 NONTREATED					0.00 c	0.00 c	0.00 c	0.00 c	0.00 c	0.00 d	0.00 c	0.00 c	0.00 c	0.00
LSD (P=.05)					3.943	4.106	3.242	3.242	7.941	9.703	0.000	0.000	0.000	0.000
Standard Deviation					2.654	2.764	2.182	2.182	5.345	6.531	0.000	0.000	0.000	0.000
CV					3.56	3.71	2.91	2.91	7.06	9.45	0.0	0.0	0.0	0.0
Grand Mean					74.64	74.46	75.0	75.0	75.71	69.11	72.86	72.86	72.86	72.86
Bartlett's X2					2.9	0.102	0.0	0.0	0.0	5.575	0.0	0.0	0.0	0.0
P(Bartlett's X2)					0.235	0.749	.	.	.	0.35
Replicate F					0.507	1.364	1.000	1.000	1.000	1.081	0.000	0.000	0.000	0.000
Replicate Prob(F)					0.6824	0.2857	0.4155	0.4155	0.4155	0.3821	1.0000	1.0000	1.0000	1.0000
Treatment F					1053.169	966.507	1575.000	1575.000	251.333	169.549	0.000	0.000	0.000	0.000
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	1.0000	1.0000

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	KRICA	MEDPO	IPOLA	IPOHG	SEBEX	CASOB	ECHCG	BRAPP	AMARE
Crop Code			GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%	%	%	%
Rating Date	5/May/2008	5/May/2008	21/May/2008	21/May/2008	21/May/2008	21/May/2008	21/May/2008	21/May/2008	21/May/2008
Trt-Eval Interval	28 DA-A	28 DA-A	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP

ARM Action Codes
Subsamples, Dec.

Trt	Treatment	Rate	Unit	Appl Code	11	12	13	14	15	16	17	18	19
1	CLASSIC	0.32	oz ai/a	A	100.00 a	100.00 a	92.50 a	98.75 a	93.75 ab	66.25 ab	98.75 a	91.25 a	100.00 a
	HARMONY GT	0.10	oz ai/a	A									
	VALOR	1	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
2	CLASSIC	0.454	oz ai/a	A	100.00 a	100.00 a	88.75 a	91.25 a	85.00 b	67.50 ab	98.75 a	96.25 a	100.00 a
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
3	CANOPY	4	oz/a	A	100.00 a	100.00 a	90.00 a	92.50 a	86.25 ab	57.50 b	98.75 a	93.75 a	100.00 a
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
4	VALOR	2	oz/a	A	10.00 b	10.00 b	86.25 a	91.25 a	96.25 a	81.25 a	95.00 a	96.25 a	100.00 a
	ROUNDUP POWERMAX	22	oz/a	A									
	SEQUENCE	2.5	pt/a	B									
5	CLASSIC	0.454	oz ai/a	A	100.00 a	100.00 a	88.75 a	96.25 a	90.00 ab	55.00 b	98.75 a	88.75 a	100.00 a
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	SEQUENCE	2.5	pt/a	B									
6	CLASSIC	0.454	oz ai/a	A	100.00 a	100.00 a	90.00 a	96.25 a	86.04 ab	56.25 b	95.00 a	97.50 a	100.00 a
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	SEQUENCE	2.5	pt/a	B									
	CLASSIC	0.215	oz ai/a	B									
	HARMONY GT	0.069	oz ai/a	B									
7	NONTREATED				0.00 c	0.00 c	0.00 b	0.00 b	0.00 c	0.00 c	0.00 b	0.00 b	0.00 b
	LSD (P=.05)				0.000	0.000	14.007	9.509	10.680	18.984	7.632	11.083	0.000
	Standard Deviation				0.000	0.000	9.428	6.401	7.158	12.779	5.137	7.460	0.000
	CV				0.0	0.0	12.31	7.91	9.33	23.31	6.15	9.26	0.0
	Grand Mean				72.86	72.86	76.61	80.89	76.76	54.82	83.57	80.54	85.71
	Bartlett's X2				0.0	0.0	3.798	4.889	4.033	4.451	12.056	2.667	0.0
	P(Bartlett's X2)				.	.	0.579	0.43	0.545	0.486	0.034*	0.751	.
	Replicate F				0.000	0.000	4.242	2.695	4.001	0.851	0.632	1.599	0.000
	Replicate Prob(F)				1.0000	1.0000	0.0197	0.0767	0.0252	0.4840	0.6041	0.2246	1.0000
	Treatment F				0.000	0.000	51.509	125.019	90.823	16.349	206.323	91.332	0.000
	Treatment Prob(F)				1.0000	1.0000	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)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	CASOB	SEBEX	IPOLA	IPOHG	ECHCG	DIGSA	AMARE	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	%	%	%	%	%	%	%	%	%	%	%	%
Rating Date	21/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008	29/May/2008
Trt-Eval Interval	14 DAP	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
ARM Action Codes												
# Subsamples, Dec.												
Trt Treatment												
No. Name	Rate	Unit	Appl Code	20	21	22	23	24	25	26	27	28
1 CLASSIC	0.32	oz ai/a	A	0.00 a	92.50 a	100.00 a	93.75 a	98.75 a	98.75 a	100.00 a	100.00 a	0.00 c
HARMONY GT	0.10	oz ai/a	A									
VALOR	1	oz ai/a	A									
ROUNDUP POWERMAX	22	oz/a	A									
NIS	0.25	% v/v	A									
BARRAGE	1.0	lb ai/a	A									
CLASSIC	0.375	oz/a	B									
ROUNDUP POWERMAX	22	oz/a	B									
2 CLASSIC	0.454	oz ai/a	A	0.00 a	93.75 a	100.00 a	95.00 a	96.25 ab	97.50 a	100.00 a	100.00 a	0.00 c
EXPRESS	0.136	oz ai/a	A									
ROUNDUP POWERMAX	22	oz/a	A									
NIS	0.25	% v/v	A									
BARRAGE	1.0	lb ai/a	A									
CLASSIC	0.375	oz/a	B									
ROUNDUP POWERMAX	22	oz/a	B									
3 CANOPY	4	oz/a	A	0.00 a	87.50 ab	100.00 a	86.25 a	93.75 ab	98.75 a	96.25 a	100.00 a	0.00 c
ROUNDUP POWERMAX	22	oz/a	A									
NIS	0.25	% v/v	A									
BARRAGE	1.0	lb ai/a	A									
CLASSIC	0.375	oz/a	B									
ROUNDUP POWERMAX	22	oz/a	B									
4 VALOR	2	oz/a	A	0.00 a	88.75 ab	91.25 b	81.25 a	90.00 b	98.75 a	97.50 a	100.00 a	13.75 a
ROUNDUP POWERMAX	22	oz/a	A									
SEQUENCE	2.5	pt/a	B									
5 CLASSIC	0.454	oz ai/a	A	0.00 a	83.75 b	98.75 a	83.75 a	96.25 ab	95.00 a	100.00 a	100.00 a	7.50 b
EXPRESS	0.136	oz ai/a	A									
ROUNDUP POWERMAX	22	oz/a	A									
NIS	0.25	% v/v	A									
BARRAGE	1.0	lb ai/a	A									
SEQUENCE	2.5	pt/a	B									
6 CLASSIC	0.454	oz ai/a	A	0.00 a	83.75 b	100.00 a	90.00 a	97.50 ab	95.00 a	100.00 a	100.00 a	12.50 a
EXPRESS	0.136	oz ai/a	A									
ROUNDUP POWERMAX	22	oz/a	A									
NIS	0.25	% v/v	A									
BARRAGE	1.0	lb ai/a	A									
SEQUENCE	2.5	pt/a	B									
CLASSIC	0.215	oz ai/a	B									
HARMONY GT	0.069	oz ai/a	B									
7 NONTREATED				0.00 a	0.00 c	0.00 c	0.00 b	0.00 c	0.00 b	0.00 b	0.00 b	0.00 c
LSD (P=.05)				0.000	8.552	6.083	14.022	8.078	3.859	5.190	0.000	3.407
Standard Deviation				0.000	5.756	4.095	9.439	5.437	2.597	3.493	0.000	2.293
CV				0.0	7.6	4.86	12.47	6.65	3.11	4.12	0.0	47.56
Grand Mean				0.0	75.71	84.29	75.71	81.79	83.39	84.82	85.71	4.82
Bartlett's X2				0.0	4.233	4.575	4.687	10.47	3.791	0.469	0.0	1.634
P(Bartlett's X2)				.	0.516	0.032*	0.455	0.063	0.58	0.493	.	0.442
Replicate F				0.000	1.293	0.710	2.325	1.329	5.426	0.659	0.000	1.528
Replicate Prob(F)				1.0000	0.3071	0.5585	0.1092	0.2961	0.0078	0.5881	1.0000	0.2413
Treatment F				0.000	136.365	332.006	51.187	177.081	803.471	459.342	0.000	30.283
Treatment Prob(F)				1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	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.

LSU Northeast Research Station

Weed Code	CASOB	SEBEX	IPOLA	IPOHG	ECHCG	DIGSA	CYPES	AMARE	IPOLA				
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	
Rating Unit	%	%	%	%	%	%	%	%	%	%	%	%	
Rating Date	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	6/Jun/2008	19/Jun/2008	
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B	
ARM Action Codes													
# Subsamples, Dec.													
Trt Treatment													
No. Name	Rate	Unit	Appl Code	29	30	31	32	33	34	35	36	37	38
1 CLASSIC	0.32	oz ai/a	A	70.00 b	87.50 c	93.75 a	95.00 a	95.00 a	96.25 a	87.50 a	100.00 a	0.00 b	87.50 a
HARMONY GT	0.10	oz ai/a	A										
VALOR	1	oz ai/a	A										
ROUNDUP POWERMAX	22	oz/a	A										
NIS	0.25	% v/v	A										
BARRAGE	1.0	lb ai/a	A										
CLASSIC	0.375	oz/a	B										
ROUNDUP POWERMAX	22	oz/a	B										
2 CLASSIC	0.454	oz ai/a	A	73.75 ab	97.50 a	92.50 ab	93.75 a	93.75 a	98.75 a	91.25 a	100.00 a	0.00 b	85.00 a
EXPRESS	0.136	oz ai/a	A										
ROUNDUP POWERMAX	22	oz/a	A										
NIS	0.25	% v/v	A										
BARRAGE	1.0	lb ai/a	A										
CLASSIC	0.375	oz/a	B										
ROUNDUP POWERMAX	22	oz/a	B										
3 CANOPY	4	oz/a	A	68.75 b	96.25 ab	90.00 ab	90.00 ab	92.50 a	96.25 a	82.50 a	100.00 a	0.00 b	86.25 a
ROUNDUP POWERMAX	22	oz/a	A										
NIS	0.25	% v/v	A										
BARRAGE	1.0	lb ai/a	A										
CLASSIC	0.375	oz/a	B										
ROUNDUP POWERMAX	22	oz/a	B										
4 VALOR	2	oz/a	A	85.00 a	88.75 bc	81.25 bc	88.75 ab	95.00 a	98.75 a	81.25 a	100.00 a	6.25 a	67.50 a
ROUNDUP POWERMAX	22	oz/a	A										
SEQUENCE	2.5	pt/a	B										
5 CLASSIC	0.454	oz ai/a	A	71.25 b	96.25 ab	75.00 c	82.50 b	93.75 a	100.00 a	86.25 a	100.00 a	6.25 a	65.00 a
EXPRESS	0.136	oz ai/a	A										
ROUNDUP POWERMAX	22	oz/a	A										
NIS	0.25	% v/v	A										
BARRAGE	1.0	lb ai/a	A										
SEQUENCE	2.5	pt/a	B										
6 CLASSIC	0.454	oz ai/a	A	71.25 b	97.50 a	91.25 ab	96.25 a	90.00 a	100.00 a	92.50 a	100.00 a	2.50 ab	80.00 a
EXPRESS	0.136	oz ai/a	A										
ROUNDUP POWERMAX	22	oz/a	A										
NIS	0.25	% v/v	A										
BARRAGE	1.0	lb ai/a	A										
SEQUENCE	2.5	pt/a	B										
CLASSIC	0.215	oz ai/a	B										
HARMONY GT	0.069	oz ai/a	B										
7 NONTREATED				0.00 c	0.00 d	0.00 d	0.00 c	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b
LSD (P=.05)				11.708	7.660	12.274	7.717	5.900	5.497	14.649	0.000	4.159	24.712
Standard Deviation				7.881	5.156	8.262	5.195	3.972	3.700	9.860	0.000	2.800	16.634
CV				12.54	6.4	11.04	6.66	4.96	4.39	13.24	0.0	130.64	24.71
Grand Mean				62.86	80.54	74.82	78.04	80.0	84.29	74.46	85.71	2.14	67.32
Bartlett's X2				3.076	5.455	1.23	4.004	1.92	4.815	3.218	0.0	0.853	3.412
P(Bartlett's X2)				0.688	0.363	0.942	0.549	0.86	0.186	0.666	.	0.653	0.637
Replicate F				2.185	0.660	2.943	2.415	1.660	0.696	0.107	0.000	0.911	1.612
Replicate Prob(F)				0.1251	0.5870	0.0609	0.1001	0.2110	0.5667	0.9548	1.0000	0.4551	0.2215
Treatment F				51.383	192.358	66.523	178.721	316.321	404.304	45.061	0.000	4.443	13.918
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	0.0063	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.

LSU Northeast Research Station

Weed Code	IPOHG	SEBEX	CASOB	ECHCG	BRAPP	AMARE	CYPES	GLXMA	GLXMA	GLXMA
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	YIELD
Rating Unit	%	%	%	%	%	%	%	%	%	LB
Rating Date	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	19/Jun/2008	23/Sep/2008
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	

ARM Action Codes
Subsamples, Dec.

Trt	Treatment	Rate	Unit	Appl Code	39	40	41	42	43	44	45	46	47
1	CLASSIC	0.32	oz ai/a	A	87.50 ab	65.00 b	42.50 b	82.50 ab	91.25 ab	100.00 a	87.50 a	0.00 a	8.07 a
	HARMONY GT	0.10	oz ai/a	A									
	VALOR	1	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
2	CLASSIC	0.454	oz ai/a	A	90.00 ab	88.75 a	58.75 ab	76.25 b	86.25 b	100.00 a	85.00 a	0.00 a	7.00 a
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
3	CANOPY	4	oz/a	A	93.75 a	83.75 a	51.25 ab	77.50 ab	90.00 ab	100.00 a	80.00 a	0.00 a	7.30 a
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	CLASSIC	0.375	oz/a	B									
	ROUNDUP POWERMAX	22	oz/a	B									
4	VALOR	2	oz/a	A	75.00 b	80.00 ab	68.75 a	86.25 a	97.50 a	100.00 a	85.00 a	0.00 a	4.80 b
	ROUNDUP POWERMAX	22	oz/a	A									
	SEQUENCE	2.5	pt/a	B									
5	CLASSIC	0.454	oz ai/a	A	80.00 ab	81.25 ab	57.50 ab	80.00 ab	91.25 ab	100.00 a	85.00 a	0.00 a	7.40 a
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	SEQUENCE	2.5	pt/a	B									
6	CLASSIC	0.454	oz ai/a	A	88.75 ab	81.25 ab	51.25 ab	77.50 ab	92.50 ab	100.00 a	92.50 a	0.00 a	6.58 ab
	EXPRESS	0.136	oz ai/a	A									
	ROUNDUP POWERMAX	22	oz/a	A									
	NIS	0.25	% v/v	A									
	BARRAGE	1.0	lb ai/a	A									
	SEQUENCE	2.5	pt/a	B									
	CLASSIC	0.215	oz ai/a	B									
	HARMONY GT	0.069	oz ai/a	B									
7	NONTREATED				0.00 c	0.00 c	0.00 c	0.00 c	0.00 c	0.00 b	0.00 b	0.00 a	1.43 c
	LSD (P=.05)				15.875	17.269	22.156	9.253	9.475	0.000	14.589	0.000	1.895
	Standard Deviation				10.686	11.624	14.914	6.228	6.378	0.000	9.820	0.000	1.264
	CV				14.52	16.95	31.64	9.08	8.14	0.0	13.35	0.0	20.79
	Grand Mean				73.57	68.57	47.14	68.57	78.39	85.71	73.57	0.0	6.08
	Bartlett's X2				2.734	2.937	3.77	3.211	3.728	0.0	9.227	0.0	1.391
	P(Bartlett's X2)				0.741	0.71	0.583	0.667	0.589	.	0.10	.	0.966
	Replicate F				1.043	2.449	1.081	1.412	0.607	0.000	0.049	0.000	1.130
	Replicate Prob(F)				0.3977	0.0969	0.3822	0.2719	0.6188	1.0000	0.9850	1.0000	0.3668
	Treatment F				38.286	28.639	8.952	95.517	118.610	0.000	44.235	0.000	13.167
	Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	1.0000	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.

LSU Northeast Research Station

Weed Code				
Crop Code		GLXMA	GLXMA	
Rating Data Type		MOISTURE	YIELD	
Rating Unit		%	BU/A	
Rating Date		23/Sep/2008	23/Sep/2008	
Trt-Eval Interval				
ARM Action Codes				TY1
# Subsamples, Dec.				1

Trt	Treatment	Rate	Unit	Appl Code	48	49
1	CLASSIC	0.32 oz ai/a	A		23.27 a	30.8 a
	HARMONY GT	0.10 oz ai/a	A			
	VALOR	1 oz ai/a	A			
	ROUNDUP POWERMAX	22 oz/a	A			
	NIS	0.25 % v/v	A			
	BARRAGE	1.0 lb ai/a	A			
	CLASSIC	0.375 oz/a	B			
	ROUNDUP POWERMAX	22 oz/a	B			
2	CLASSIC	0.454 oz ai/a	A		23.36 a	26.6 ab
	EXPRESS	0.136 oz ai/a	A			
	ROUNDUP POWERMAX	22 oz/a	A			
	NIS	0.25 % v/v	A			
	BARRAGE	1.0 lb ai/a	A			
	CLASSIC	0.375 oz/a	B			
	ROUNDUP POWERMAX	22 oz/a	B			
3	CANOPY	4 oz/a	A		28.25 a	26.0 ab
	ROUNDUP POWERMAX	22 oz/a	A			
	NIS	0.25 % v/v	A			
	BARRAGE	1.0 lb ai/a	A			
	CLASSIC	0.375 oz/a	B			
	ROUNDUP POWERMAX	22 oz/a	B			
4	VALOR	2 oz/a	A		37.65 a	15.5 c
	ROUNDUP POWERMAX	22 oz/a	A			
	SEQUENCE	2.5 pt/a	B			
5	CLASSIC	0.454 oz ai/a	A		25.98 a	27.1 ab
	EXPRESS	0.136 oz ai/a	A			
	ROUNDUP POWERMAX	22 oz/a	A			
	NIS	0.25 % v/v	A			
	BARRAGE	1.0 lb ai/a	A			
	SEQUENCE	2.5 pt/a	B			
6	CLASSIC	0.454 oz ai/a	A		32.68 a	21.8 bc
	EXPRESS	0.136 oz ai/a	A			
	ROUNDUP POWERMAX	22 oz/a	A			
	NIS	0.25 % v/v	A			
	BARRAGE	1.0 lb ai/a	A			
	SEQUENCE	2.5 pt/a	B			
	CLASSIC	0.215 oz ai/a	B			
	HARMONY GT	0.069 oz ai/a	B			
7	NONTREATED				17.48 a	5.5 d
LSD (P=.05)					16.140	7.98
Standard Deviation					10.767	5.32
CV					39.95	24.29
Grand Mean					26.95	21.9
Bartlett's X2					4.494	4.509
P(Bartlett's X2)					0.61	0.608
Replicate F					0.350	0.429
Replicate Prob(F)					0.7894	0.7348
Treatment F					1.531	10.735
Treatment Prob(F)					0.2311	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.
 Column 49: TY1 = 4.353823*[47]*(100-@MVAVGREP([48]))/87