

LSU Northeast Research Station

EVALUATION OF ATRAZINE AND RESOLVE FOR FALLOW BED WEED CONTROL IN COTTON AND SOYBEAN PLANTED ON LIGHT SOILS

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. POAAN	Annual bluegrass	Poa annua
2. LAMAM	Henbit	Lamium amplexicaule
3. CAPBP	Shepherd's purse	Capsella bursa-pastoris
4. COPSS	Swinecress	Coronopus sp.

Crop 1: COTTON & SOYBEAN Variety: DP164B2RF, DK4967RR
Planting Date: 2/May/2007

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 50 % OM: 0.5 Texture: SILT LOAM
% Silt: 28 pH: 6.8
% Clay: 22 CEC: 12.8

APPLICATION DESCRIPTION

A
Application Date: 26/Jan/2007
Time of Day: 2:30 PM
Application Method: SPRAY
Application Timing: PREPLA
Applic. Placement: BROFOL
Air Temp., Unit: 57 F
% Relative Humidity: 39
Wind Velocity, Unit: 5.4 MPH
Dew Presence (Y/N): N
Water Hardness: N
Soil Temp., Unit: 51 F
Soil Moisture: MOIST
% Cloud Cover: 0

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: POAAN 2-4"
Stage Scale:
Density, Unit:
Weed 2 Code, Stage: LAMAM 6-8"
Stage Scale:
Density, Unit:
Weed 3 Code, Stage: CAPBP 2-4"
Stage Scale:
Density, Unit:
Weed 4 Code, Stage: COPSS 1-2"
Stage Scale:

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 BCPCCK
Operating Pressure: 37 PSI
Nozzle Type: DG
Nozzle Size: 11002 VS
Nozzle Spacing, Unit: 20 IN
Nozzles/Row: 2
Band Width, Unit:
Boom Length, Unit:
Boom Height, Unit:
Ground Speed, Unit: 3.2 MPH
Incorporation Equip.:
Hours to Incorp.:
Incorp. Depth, Unit:
Carrier: WATER
Spray Volume, Unit: 15 GPA
Spray pH:
Propellant:
Tank Mix (Y/N):

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Trial ID:		Study Dir.:							
Location:		Investigator: Donnie Miller							
Weed Code		LAMAM	COPSS	CAPBP	POAAN	LAMAM	COPSS	CAPBP	POAAN
Crop Code									
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%	%	%
Rating Date		23/Feb/2007	23/Feb/2007	23/Feb/2007	23/Feb/2007	26/Mar/2007	26/Mar/2007	26/Mar/2007	26/Mar/2007
Assessed By									
Trt-Eval Interval		28 DA-A	28 DA-A	28 DA-A	28 DA-A	59 DA-A	59 DA-A	59 DA-A	59 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate Unit	1	2	3	4	5	6	7	8
1 ROUNDUP WEATHERMAX	22 oz/a	87.50 c	100.00 a	100.00 a	100.00 a	88.75 c	100.00 a	100.00 a	100.00 a
ATRAZINE	0.5 lb ai/a								
2 ROUNDUP WEATHERMAX	22 oz/a	98.75 a	100.00 a	100.00 a	97.50 a	98.75 ab	100.00 a	100.00 a	100.00 a
ATRAZINE	1 lb ai/a								
3 ROUNDUP WEATHERMAX	22 oz/a	100.00 a	100.00 a	100.00 a	97.50 a	100.00 a	100.00 a	100.00 a	100.00 a
ATRAZINE	2 lb ai/a								
4 ROUNDUP WEATHERMAX	22 oz/a	87.50 c	100.00 a	100.00 a	100.00 a	81.25 d	100.00 a	95.00 a	100.00 a
SALVO	12.8 oz/a								
5 ROUNDUP WEATHERMAX	22 oz/a	88.75 bc	100.00 a	100.00 a	100.00 a	82.50 d	100.00 a	97.50 a	100.00 a
HARMONY XTRA	0.3 oz/a								
6 ROUNDUP WEATHERMAX	22 oz/a	95.00 ab	100.00 a	100.00 a	100.00 a	93.75 bc	97.50 a	100.00 a	100.00 a
RESOLVE	1 oz/a								
7 ROUNDUP WEATHERMAX	22 oz/a	96.25 a	100.00 a	100.00 a	100.00 a	96.25 ab	100.00 a	100.00 a	100.00 a
RESOLVE	2 oz/a								
8 ROUNDUP WEATHERMAX	22 oz/a	80.00 d	93.75 b	100.00 a	100.00 a	81.25 d	63.75 b	87.50 b	98.75 a
LSD (P=.05)		6.978	3.900	0.000	2.893	6.031	14.874	5.075	1.300
Standard Deviation		4.744	2.652	0.000	1.967	4.101	10.113	3.450	0.884
CV		5.17	2.67	0.0	1.98	4.54	10.63	3.54	0.89
Grand Mean		91.72	99.22	100.0	99.38	90.31	95.16	97.5	99.84
Bartlett's X2		6.754	0.0	0.0	0.845	6.834	6.197	1.829	0.0
P(Bartlett's X2)		0.344	.	.	0.358	0.337	0.013*	0.401	.
Replicate F		1.238	1.000	0.000	1.615	0.681	0.802	2.800	1.000
Replicate Prob(F)		0.3209	0.4123	1.0000	0.2158	0.5732	0.5066	0.0650	0.4123
Treatment F		8.405	2.778	0.000	1.385	14.947	6.328	6.600	1.000
Treatment Prob(F)		0.0001	0.0328	1.0000	0.2630	0.0001	0.0004	0.0003	0.4586

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	LAMAM	BRAPP	COPSS	CAPBP	POAAN	GOSHI	GLXMA
Crop Code									
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit		%	%	%	%	%	%	%	%
Rating Date		20/Apr/2007	20/Apr/2007	20/Apr/2007	20/Apr/2007	20/Apr/2007	20/Apr/2007	9/May/2007	9/May/2007
Assessed By		@burndown	@burndown	@burndown	@burndown	@burndown	@burndown		
Trt-Eval Interval		84 DA-A	84 DA-A	84 DA-A	84 DA-A	84 DA-A	84 DA-A	7 DAP	7 DAP
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	9	10	11	12	13	14	15	16
1 ROUNDUP WEATHERMAX	22 oz/a	96.25 ab	98.75 a	93.75 a	100.00 a	100.00 a	100.00 a	1.25 a	0.00 a
ATRAZINE	0.5 lb ai/a								
2 ROUNDUP WEATHERMAX	22 oz/a	96.25 ab	98.75 a	86.25 a	100.00 a	100.00 a	100.00 a	5.00 a	0.00 a
ATRAZINE	1 lb ai/a								
3 ROUNDUP WEATHERMAX	22 oz/a	100.00 a	98.75 a	93.75 a	100.00 a	100.00 a	100.00 a	5.00 a	0.00 a
ATRAZINE	2 lb ai/a								
4 ROUNDUP WEATHERMAX	22 oz/a	93.75 abc	77.50 b	82.50 a	91.49 a	95.00 a	98.75 a	5.00 a	0.00 a
SALVO	12.8 oz/a								
5 ROUNDUP WEATHERMAX	22 oz/a	90.00 bc	80.00 b	82.50 a	97.50 a	90.00 a	100.00 a	5.00 a	0.00 a
HARMONY XTRA	0.3 oz/a								
6 ROUNDUP WEATHERMAX	22 oz/a	96.25 ab	98.75 a	97.50 a	93.75 a	100.00 a	100.00 a	6.25 a	0.00 a
RESOLVE	1 oz/a								
7 ROUNDUP WEATHERMAX	22 oz/a	93.75 abc	100.00 a	93.75 a	100.00 a	100.00 a	100.00 a	7.50 a	0.00 a
RESOLVE	2 oz/a								
8 ROUNDUP WEATHERMAX	22 oz/a	87.50 c	81.25 b	85.00 a	57.50 a	78.75 a	100.00 a	6.25 a	0.00 a
LSD (P=.05)		7.160	6.038	11.928	27.827	16.670	1.300	4.789	0.000
Standard Deviation		4.868	4.105	8.110	18.866	11.334	0.884	3.256	0.000
CV		5.17	4.48	9.07	20.39	11.87	0.89	63.15	0.0
Grand Mean		94.22	91.72	89.38	92.53	95.47	99.84	5.16	0.0
Bartlett's X2		4.782	9.795	10.499	18.127	3.915	0.0	2.15	0.0
P(Bartlett's X2)		0.572	0.134	0.162	0.001*	0.141	.	0.828	.
Replicate F		0.297	2.272	3.896	0.663	1.093	1.000	0.270	0.000
Replicate Prob(F)		0.8273	0.1099	0.0233	0.5844	0.3740	0.4123	0.8462	1.0000
Treatment F		2.633	24.258	2.145	2.372	1.834	1.000	1.253	0.000
Treatment Prob(F)		0.0404	0.0001	0.0833	0.0614	0.1332	0.4586	0.3199	1.0000

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

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Weed Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GOSHI	GOSHI
Crop Code		CROP HT	CROP HT	CROP HT	CROP HT	CROP HT	AVG CROP HT	CROP HT	CROP HT
Rating Data Type		CM	CM	CM	CM	CM	CM	CM	CM
Rating Unit		17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007
Rating Date		15 DAP	15 DAP	15 DAP	15 DAP	15 DAP	15 DAP	15 DAP	15 DAP
Assessed By							T1		
Trt-Eval Interval									
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate Unit	17	18	19	20	21	22	23	24
1 ROUNDUP WEATHERMAX	22 oz/a	5.75 a	4.75 a	6.00 a	6.50 a	6.00 a	5.80 a	6.50 a	7.00 a
ATRAZINE	0.5 lb ai/a								
2 ROUNDUP WEATHERMAX	22 oz/a	5.63 a	5.25 a	5.50 a	6.00 a	5.88 a	5.65 a	6.75 a	7.50 a
ATRAZINE	1 lb ai/a								
3 ROUNDUP WEATHERMAX	22 oz/a	6.00 a	5.50 a	6.50 a	5.75 a	5.50 a	5.85 a	6.75 a	6.75 a
ATRAZINE	2 lb ai/a								
4 ROUNDUP WEATHERMAX	22 oz/a	5.50 a	5.75 a	5.50 a	6.00 a	5.50 a	5.65 a	7.75 a	7.75 a
SALVO	12.8 oz/a								
5 ROUNDUP WEATHERMAX	22 oz/a	5.50 a	5.50 a	5.50 a	5.50 a	5.75 a	5.55 a	8.00 a	6.75 a
HARMONY XTRA	0.3 oz/a								
6 ROUNDUP WEATHERMAX	22 oz/a	5.25 a	5.13 a	5.00 a	5.25 a	5.00 a	5.13 a	7.25 a	7.00 a
RESOLVE	1 oz/a								
7 ROUNDUP WEATHERMAX	22 oz/a	4.50 a	5.63 a	6.00 a	5.75 a	6.25 a	5.63 a	6.50 a	7.00 a
RESOLVE	2 oz/a								
8 ROUNDUP WEATHERMAX	22 oz/a	5.25 a	4.75 a	4.75 a	5.25 a	5.25 a	5.05 a	6.25 a	5.75 a
LSD (P=.05)		1.743	1.573	1.405	1.564	1.696	1.096	1.820	1.949
Standard Deviation		1.185	1.070	0.955	1.063	1.153	0.745	1.237	1.325
CV		21.85	20.26	17.07	18.5	20.44	13.46	17.76	19.1
Grand Mean		5.42	5.28	5.59	5.75	5.64	5.54	6.97	6.94
Bartlett's X2		13.382	18.049	5.587	8.245	6.132	21.317	5.666	6.21
P(Bartlett's X2)		0.063	0.012*	0.589	0.312	0.524	0.003*	0.579	0.515
Replicate F		4.622	6.072	2.775	6.263	4.394	9.440	0.347	0.593
Replicate Prob(F)		0.0124	0.0038	0.0666	0.0033	0.0150	0.0004	0.7917	0.6263
Treatment F		0.572	0.511	1.405	0.632	0.503	0.625	1.047	0.803
Treatment Prob(F)		0.7707	0.8159	0.2553	0.7247	0.8218	0.7296	0.4299	0.5937

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Column 22: T1 = @AVG([C17].[C21])

LSU Northeast Research Station

Weed Code		GOSHI	GOSHI	GOSHI	GOSHI	GLXMA	GOSHI	GLXMA	GLXMA
Crop Code		CROP HT	CROP HT	CROP HT	AVG CROP HT	INJURY	INJURY	CROP HT	CROP HT
Rating Data Type		CM	CM	CM	CM	%	%	CM	CM
Rating Unit		17/May/2007	17/May/2007	17/May/2007	17/May/2007	18/May/2007	18/May/2007	30/May/2007	30/May/2007
Rating Date									
Assessed By									
Trt-Eval Interval		15 DAP	15 DAP	15 DAP	15 DAP	15 DAP	15 DAP	28 DAP	28 DAP
ARM Action Codes					T2				
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate Unit	25	26	27	28	29	30	31	32
1 ROUNDUP WEATHERMAX	22 oz/a	6.50 a	7.00 a	8.50 a	7.10 a	0.00 a	2.50 a	12.75 a	13.50 a
ATRAZINE	0.5 lb ai/a								
2 ROUNDUP WEATHERMAX	22 oz/a	6.75 a	7.25 a	5.75 a	6.80 a	0.00 a	5.00 a	12.00 a	12.75 a
ATRAZINE	1 lb ai/a								
3 ROUNDUP WEATHERMAX	22 oz/a	6.75 a	8.25 a	8.50 a	7.40 a	0.00 a	3.75 a	15.50 a	10.75 a
ATRAZINE	2 lb ai/a								
4 ROUNDUP WEATHERMAX	22 oz/a	7.00 a	8.50 a	7.50 a	7.70 a	1.25 a	3.75 a	13.00 a	13.00 a
SALVO	12.8 oz/a								
5 ROUNDUP WEATHERMAX	22 oz/a	6.88 a	7.50 a	6.50 a	7.13 a	1.25 a	3.75 a	12.50 a	13.00 a
HARMONY XTRA	0.3 oz/a								
6 ROUNDUP WEATHERMAX	22 oz/a	7.25 a	7.25 a	8.00 a	7.35 a	0.00 a	3.75 a	17.75 a	11.75 a
RESOLVE	1 oz/a								
7 ROUNDUP WEATHERMAX	22 oz/a	7.00 a	7.75 a	6.50 a	6.95 a	0.00 a	6.25 a	14.50 a	13.50 a
RESOLVE	2 oz/a								
8 ROUNDUP WEATHERMAX	22 oz/a	6.25 a	7.75 a	6.50 a	6.50 a	1.25 a	2.50 a	11.50 a	10.00 a
LSD (P=.05)		2.483	2.169	2.180	1.376	1.903	4.653	4.940	5.434
Standard Deviation		1.688	1.474	1.483	0.935	1.294	3.163	3.359	3.695
CV		24.84	19.26	20.54	13.15	276.03	80.98	24.54	30.08
Grand Mean		6.8	7.66	7.22	7.12	0.47	3.91	13.69	12.28
Bartlett's X2		15.565	3.863	6.308	3.608	0.0	3.176	10.898	4.346
P(Bartlett's X2)		0.029*	0.795	0.504	0.824	0.001*	0.787	0.143	0.739
Replicate F		0.039	1.548	3.123	1.125	4.200	1.119	0.550	1.211
Replicate Prob(F)		0.9893	0.2317	0.0476	0.3615	0.0178	0.3638	0.6534	0.3302
Treatment F		0.137	0.491	1.997	0.642	1.000	0.613	1.563	0.505
Treatment Prob(F)		0.9940	0.8306	0.1041	0.7164	0.4586	0.7387	0.2012	0.8206

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 28: T2 = @AVG([C23].[C27])

LSU Northeast Research Station

Weed Code		GLXMA	GLXMA	GLXMA	GLXMA	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code		CROP HT	CROP HT	CROP HT	AVG CROP HT	CROP HT	CROP HT	CROP HT	CROP HT
Rating Data Type		CM	CM	CM	CM	CM	CM	CM	CM
Rating Unit		30/May/2007	30/May/2007	30/May/2007	30/May/2007	30/May/2007	30/May/2007	30/May/2007	30/May/2007
Rating Date		28 DAP	28 DAP	28 DAP	28 DAP	28 DAP	28 DAP	28 DAP	28 DAP
Assessed By									
Trt-Eval Interval									
ARM Action Codes					T3				
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	33	34	35	36	37	38	39	40
1 ROUNDUP WEATHERMAX	22 oz/a	13.25 a	15.00 a	12.50 a	13.40 a	18.00 a	14.25 a	15.75 a	15.50 a
ATRAZINE	0.5 lb ai/a								
2 ROUNDUP WEATHERMAX	22 oz/a	12.75 a	11.00 a	12.25 a	12.15 a	16.50 a	15.50 a	15.25 a	17.75 a
ATRAZINE	1 lb ai/a								
3 ROUNDUP WEATHERMAX	22 oz/a	14.50 a	12.00 a	15.25 a	13.60 a	15.00 a	15.25 a	16.25 a	16.75 a
ATRAZINE	2 lb ai/a								
4 ROUNDUP WEATHERMAX	22 oz/a	12.25 a	13.50 a	13.00 a	12.95 a	12.25 a	14.75 a	17.00 a	14.25 a
SALVO	12.8 oz/a								
5 ROUNDUP WEATHERMAX	22 oz/a	13.75 a	15.00 a	14.75 a	13.80 a	15.50 a	16.00 a	17.00 a	17.25 a
HARMONY XTRA	0.3 oz/a								
6 ROUNDUP WEATHERMAX	22 oz/a	15.25 a	13.50 a	14.75 a	14.60 a	14.75 a	15.50 a	15.75 a	15.25 a
RESOLVE	1 oz/a								
7 ROUNDUP WEATHERMAX	22 oz/a	14.00 a	13.00 a	12.50 a	13.50 a	16.25 a	17.00 a	11.50 a	16.00 a
RESOLVE	2 oz/a								
8 ROUNDUP WEATHERMAX	22 oz/a	11.50 a	9.25 a	9.25 a	10.30 a	10.25 a	13.75 a	15.25 a	12.75 a
LSD (P=.05)		4.521	5.935	3.880	2.649	5.659	6.863	4.945	5.314
Standard Deviation		3.074	4.035	2.638	1.801	3.848	4.666	3.362	3.613
CV		22.93	31.57	20.24	13.82	25.97	30.6	21.74	23.03
Grand Mean		13.41	12.78	13.03	13.04	14.81	15.25	15.47	15.69
Bartlett's X2		6.418	8.896	6.986	8.155	4.439	10.112	3.466	7.244
P(Bartlett's X2)		0.492	0.26	0.43	0.319	0.728	0.182	0.839	0.404
Replicate F		0.894	1.983	4.674	3.535	0.903	3.334	2.398	1.874
Replicate Prob(F)		0.4605	0.1474	0.0118	0.0324	0.4561	0.0391	0.0967	0.1650
Treatment F		0.635	0.954	2.160	2.109	1.659	0.190	1.077	0.825
Treatment Prob(F)		0.7224	0.4883	0.0814	0.0879	0.1739	0.9843	0.4120	0.5779

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 36: T3 = @AVG([C31].[C35])

LSU Northeast Research Station

Weed Code		GOSHI	GOSHI	GOSHI	GLXMA	GLXMA	GOSHI	GLXMA
Crop Code		CROP HT	AVG CROP HT	INJURY	INJURY	AVG CROP HT	AVG CROP HT	YIELD
Rating Data Type		CM	CM	%	%	CM	CM	LB
Rating Unit		30/May/2007	30/May/2007	30/May/2007	30/May/2007	27/Jun/2007	27/Jun/2007	17/Sep/2007
Rating Date								
Assessed By								
Trt-Eval Interval		28 DAP	28 DAP	28 DAP	28 DAP	56 DAP	56 DAP	234 DA-A
ARM Action Codes			T4					
# Subsamples, Dec.								
Trt Treatment								
No. Name	Rate	41	42	43	44	45	46	47
1 ROUNDUP WEATHERMAX	22 oz/a	15.50 a	15.80 a	0.00 a	0.00 a	52.90 a	58.95 a	5.46 a
ATRAZINE	0.5 lb ai/a							
2 ROUNDUP WEATHERMAX	22 oz/a	15.00 a	16.00 a	0.00 a	0.00 a	57.90 a	58.50 a	6.28 a
ATRAZINE	1 lb ai/a							
3 ROUNDUP WEATHERMAX	22 oz/a	15.50 a	15.75 a	0.00 a	0.00 a	56.75 a	60.10 a	6.55 a
ATRAZINE	2 lb ai/a							
4 ROUNDUP WEATHERMAX	22 oz/a	12.00 a	14.05 a	0.00 a	0.00 a	60.45 a	61.95 a	5.92 a
SALVO	12.8 oz/a							
5 ROUNDUP WEATHERMAX	22 oz/a	14.25 a	16.00 a	0.00 a	0.00 a	59.75 a	58.55 a	6.00 a
HARMONY XTRA	0.3 oz/a							
6 ROUNDUP WEATHERMAX	22 oz/a	17.25 a	15.70 a	0.00 a	0.00 a	60.05 a	61.40 a	5.58 a
RESOLVE	1 oz/a							
7 ROUNDUP WEATHERMAX	22 oz/a	15.25 a	15.20 a	0.00 a	0.00 a	62.05 a	66.05 a	6.79 a
RESOLVE	2 oz/a							
8 ROUNDUP WEATHERMAX	22 oz/a	12.75 a	12.95 a	0.00 a	0.00 a	55.38 a	55.80 a	4.50 a
LSD (P=.05)		6.551	3.515	0.000	0.000	12.028	13.136	2.514
Standard Deviation		4.454	2.390	0.000	0.000	8.178	8.931	1.685
CV		30.33	15.74	0.0	0.0	14.06	14.84	28.63
Grand Mean		14.69	15.18	0.0	0.0	58.15	60.16	5.88
Bartlett's X2		6.403	7.001	0.0	0.0	4.906	10.006	6.156
P(Bartlett's X2)		0.494	0.429	.	.	0.671	0.188	0.522
Replicate F		0.981	3.510	0.000	0.000	4.106	5.150	0.203
Replicate Prob(F)		0.4207	0.0331	1.0000	1.0000	0.0193	0.0080	0.8928
Treatment F		0.561	0.858	0.000	0.000	0.546	0.468	0.729
Treatment Prob(F)		0.7790	0.5543	1.0000	1.0000	0.7897	0.8470	0.6505

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 42: T4 = @AVG([C37].[C41])

LSU Northeast Research Station

Weed Code		GLXMA	GLXMA	GOSHI	GOSHI	GOSHI
Crop Code		MOISTURE	YIELD	YIELDw/bag	YIELDw/obag	YIELD
Rating Data Type		%	BU/A	LB	LB	LB/A
Rating Unit						
Rating Date		17/Sep/2007	17/Sep/2007	7/Nov/2007	7/Nov/2007	7/Nov/2007
Assessed By					BAG=0.4LB	1 ROW
Trt-Eval Interval		234 DA-A	234 DA-A	285 DA-A	285 DA-A	285 DA-A
ARM Action Codes			TY5		T6	TY7
# Subsamples, Dec.			1			1
Trt Treatment						
No. Name	Rate Unit	48	49	50	51	52
1 ROUNDUP WEATHERMAX	22 oz/a	38.59 a	33.4 a	6.15 a	5.75 a	3008.6 a
ATRAZINE	0.5 lb ai/a					
2 ROUNDUP WEATHERMAX	22 oz/a	43.93 a	34.8 a	6.00 a	5.60 a	2930.2 a
ATRAZINE	1 lb ai/a					
3 ROUNDUP WEATHERMAX	22 oz/a	40.70 a	39.7 a	7.05 a	6.65 a	3479.6 a
ATRAZINE	2 lb ai/a					
4 ROUNDUP WEATHERMAX	22 oz/a	56.58 a	26.8 a	6.18 a	5.78 a	3021.7 a
SALVO	12.8 oz/a					
5 ROUNDUP WEATHERMAX	22 oz/a	35.00 a	40.6 a	6.18 a	5.78 a	3021.7 a
HARMONY XTRA	0.3 oz/a					
6 ROUNDUP WEATHERMAX	22 oz/a	43.53 a	29.1 a	6.28 a	5.88 a	3074.1 a
RESOLVE	1 oz/a					
7 ROUNDUP WEATHERMAX	22 oz/a	40.91 a	38.0 a	6.20 a	5.80 a	3034.8 a
RESOLVE	2 oz/a					
8 ROUNDUP WEATHERMAX	22 oz/a	32.66 a	28.0 a	4.80 a	4.40 a	2302.3 a
LSD (P=.05)		34.179	21.04	1.988	1.988	1040.45
Standard Deviation		22.908	14.10	1.352	1.352	707.41
CV		55.22	41.71	22.15	23.71	23.71
Grand Mean		41.49	33.82	6.1	5.7	2984.12
Bartlett's X2		5.222	4.513	8.546	8.546	8.546
P(Bartlett's X2)		0.633	0.719	0.287	0.287	0.287
Replicate F		2.650	3.726	1.087	1.087	1.087
Replicate Prob(F)		0.0820	0.0317	0.3765	0.3764	0.3765
Treatment F		0.400	0.588	0.831	0.831	0.831
Treatment Prob(F)		0.8893	0.7564	0.5738	0.5738	0.5738

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: TY5 = 8.720721*[47]*(100-@MVAVGREP([48]))/87

Column 51: T6 = ([50])-0.4

Column 52: TY7 = 523.2432*[51]