

LSU Northeast Research Station

EVALUATION OF DICAMBA RESIDUAL AND SPECTRUM OF ACTIVITY

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. SORHA	Johnson grass	Sorghum halepense
2. ECHCG	Barnyardgrass, common	Echinochloa crus-galli
3. IPOLA	Morningglory, pitted	Ipomoea lacunosa
4. IPOHG	Morningglory, entireleaf	Ipomoea hederacea integriuscul
5. SEBEX	Coffeebean	Sesbania exaltata
6. CASOB	Sickle pod	Cassia obtusifolia
7. AMARE	Carelessweed	Amaranthus retroflexus

Crop 1: GLXMA SOYBEAN Variety: PIONEER 94B73 RR
 Planting Date: 3/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: 12 % OM: 2.4 Texture: SILTY CLAY
 % Silt: 42 pH: 6.2
 % Clay: 46 CEC: 16.7

APPLICATION DESCRIPTION

A

Application Date: 3/May/2007
 Time of Day: 12:00
 Application Method: SPRAY
 Application Timing: PREPRE
 Applic. Placement: BROSOI
 Air Temp., Unit: 80 F
 % Relative Humidity: 73
 Wind Velocity, Unit: 12.3 MPH
 Dew Presence (Y/N): N
 Water Hardness:
 Soil Temp., Unit: 74 F
 Soil Moisture: MOIST
 % Cloud Cover: 100

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SORHA 1-3"
Stage Scale:
Density, Unit:
Weed 2 Code, Stage: ECHCG 1-3"
Stage Scale:
Density, Unit:
Weed 3 Code, Stage: IPOLA 1-3"
Stage Scale:
Density, Unit:
Weed 4 Code, Stage: IPOHG 1-3"
Stage Scale:
Density, Unit:
Weed 5 Code, Stage: SEBEX 1-3"
Stage Scale:
Density, Unit:
Weed 6 Code, Stage: CASOB 1-3"
Stage Scale:
Density, Unit:
Weed 7 Code, Stage: AMARE 1-3"
Stage Scale:
Density, Unit:

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 BCPCCK
Operating Pressure: 34 PSI
Nozzle Type: DG
Nozzle Size: 11002
Nozzle Spacing, Unit: 20 "
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):

LSU Northeast Research Station

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

Weed Code	SORHA	ECHCG	IPOLA	IPOHG	SEBEX	CASOB	AMARE	ECHCG			
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%			
Rating Date	10/May/2007	10/May/2007	10/May/2007	10/May/2007	10/May/2007	10/May/2007	10/May/2007	17/May/2007			
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	14 DA-A			
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit	Code	1	2	3	4	5	6	7	8
1 CLARITY	0.25 lb ai/a	A		66.25 e	66.25 e	91.25 ab	90.00 a	95.00 ab	86.25 b	100.00 a	68.75 e
2 CLARITY	0.375 lb ai/a	A		66.25 e	66.25 e	95.00 ab	91.25 a	93.75 ab	93.75 ab	100.00 a	70.00 de
3 CLARITY	0.5 lb ai/a	A		66.25 e	66.25 e	92.50 ab	90.00 a	95.00 ab	91.25 ab	100.00 a	76.25 b-e
4 CLARITY	0.75 lb ai/a	A		76.25 b-e	76.25 b-e	92.50 ab	91.25 a	92.50 ab	88.75 ab	100.00 a	80.00 abc
5 CLARITY	1.0 lb ai/a	A		73.75 cde	73.75 cde	93.75 ab	91.25 a	96.25 ab	92.50 ab	100.00 a	77.50 bcd
6 MON 69492	1.5 lb ai/a	A		85.00 ab	85.00 ab	91.25 ab	88.75 a	91.25 ab	88.75 ab	98.75 b	83.75 ab
7 CLARITY	0.25 lb ai/a	A		81.25 a-d	81.25 a-d	91.25 ab	88.75 a	93.75 ab	92.50 ab	100.00 a	83.75 ab
MON 69492	1.5 lb ai/a	A									
8 CLARITY	0.5 lb ai/a	A		86.25 ab	86.25 ab	93.75 ab	92.50 a	96.25 ab	95.00 a	100.00 a	83.75 ab
MON 69492	1.5 lb ai/a	A									
9 PROWL	0.825 lb ai/a	A		76.25 b-e	76.25 b-e	93.75 ab	92.50 a	97.50 a	88.75 ab	100.00 a	78.75 abc
10 CLARITY	0.25 lb ai/a	A		86.25 ab	86.25 ab	88.75 b	90.00 a	90.00 b	86.25 b	100.00 a	80.00 abc
PROWL	0.825 lb ai/a	A									
11 CLARITY	0.5 lb ai/a	A		90.00 a	90.00 a	91.25 ab	90.00 a	95.00 ab	88.75 ab	100.00 a	86.25 a
PROWL	0.825 lb ai/a	A									
12 REFLEX	0.25 lb ai/a	A		83.75 abc	83.75 abc	91.25 ab	91.25 a	93.75 ab	90.00 ab	100.00 a	80.00 abc
13 CLARITY	0.25 lb ai/a	A		83.75 abc	83.75 abc	95.00 ab	93.75 a	93.75 ab	92.50 ab	100.00 a	75.00 cde
REFLEX	0.25 lb ai/a	A									
14 CLARITY	0.5 lb ai/a	A		83.75 abc	83.75 abc	93.75 ab	90.00 a	91.25 ab	95.00 a	100.00 a	80.00 abc
REFLEX	0.25 lb ai/a	A									
15 VALOR	1 oz/a	A		77.50 bcd	77.50 bcd	96.25 a	95.00 a	97.50 a	93.75 ab	100.00 a	76.25 b-e
16 VALOR	2 oz/a	A		72.50 de	72.50 de	95.00 ab	95.00 a	96.25 ab	91.25 ab	100.00 a	75.00 cde
17 SYNCHRONY XP	1.5 oz/a	A		78.75 bcd	78.75 bcd	95.00 ab	95.00 a	96.25 ab	96.25 a	100.00 a	73.75 cde
18 NONTREATED				0.00 f	0.00 f	0.00 c	0.00 b	0.00 c	0.00 c	0.00 c	0.00 f
LSD (P=.05)				10.978	10.978	6.559	6.851	7.044	7.662	0.833	8.685
Standard Deviation				7.763	7.763	4.638	4.844	4.981	5.418	0.589	6.141
CV				10.48	10.48	5.28	5.6	5.59	6.29	0.62	8.32
Grand Mean				74.1	74.1	87.85	86.46	89.17	86.18	94.38	73.82
Bartlett's X2				25.924	25.924	13.749	8.594	21.88	12.917	0.0	19.202
P(Bartlett's X2)				0.039*	0.039*	0.392	0.898	0.147	0.609	.	0.258
Replicate F				1.773	1.773	1.695	1.198	1.306	0.958	1.000	2.391
Replicate Prob(F)				0.1641	0.1641	0.1797	0.3197	0.2825	0.4196	0.4005	0.0794
Treatment F				26.232	26.232	90.079	80.060	80.585	64.221	6391.589	38.342
Treatment Prob(F)				0.0001	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	IPOLA	IPOHG	SEBEX	CASOB	AMARE	ECHCG	SORHA
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%	%	%
Rating Date		17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007	17/May/2007	31/May/2007	31/May/2007
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
Trt Treatment									
No. Name	Rate Unit Appl Code	9	10	11	12	13	14	15	16
1 CLARITY	0.25 lb ai/a A	75.00 b-f	85.00 a	86.25 abc	93.75 a	91.25 ab	95.00 a	67.50 c	73.75 a-d
2 CLARITY	0.375 lb ai/a A	67.50 f	88.75 a	86.25 abc	91.25 a	91.25 ab	95.00 a	71.25 bc	68.75 bcd
3 CLARITY	0.5 lb ai/a A	70.00 def	91.25 a	83.75 abc	93.75 a	90.00 abc	95.00 a	76.25 abc	63.75 d
4 CLARITY	0.75 lb ai/a A	73.75 b-f	91.25 a	85.00 abc	93.75 a	90.00 abc	95.00 a	72.50 bc	72.50 a-d
5 CLARITY	1.0 lb ai/a A	72.50 c-f	90.00 a	87.50 ab	95.00 a	91.25 ab	95.00 a	76.25 abc	68.75 bcd
6 MON 69492	1.5 lb ai/a A	76.25 a-f	80.00 a	75.00 c	92.50 a	86.25 a-d	95.00 a	81.25 ab	66.25 cd
7 CLARITY	0.25 lb ai/a A	75.00 b-f	91.25 a	87.50 ab	90.00 a	87.50 a-d	95.00 a	83.75 a	67.50 bcd
MON 69492	1.5 lb ai/a A								
8 CLARITY	0.5 lb ai/a A	80.00 a-e	81.25 a	83.75 abc	93.75 a	87.50 a-d	95.00 a	83.75 a	73.75 a-d
MON 69492	1.5 lb ai/a A								
9 PROWL	0.825 lb ai/a A	68.75 ef	87.50 a	83.75 abc	95.00 a	80.00 cd	95.00 a	77.50 abc	71.25 a-d
10 CLARITY	0.25 lb ai/a A	81.25 a-d	81.25 a	81.25 bc	83.75 b	77.50 d	95.00 a	85.00 a	72.50 a-d
PROWL	0.825 lb ai/a A								
11 CLARITY	0.5 lb ai/a A	87.50 a	83.75 a	81.25 bc	90.00 a	80.00 cd	95.00 a	83.75 a	75.00 a-d
PROWL	0.825 lb ai/a A								
12 REFLEX	0.25 lb ai/a A	85.00 ab	87.50 a	82.50 bc	91.25 a	81.25 bcd	95.00 a	71.25 bc	82.50 ab
13 CLARITY	0.25 lb ai/a A	87.50 a	85.00 a	88.75 ab	95.00 a	88.75 abc	95.00 a	67.50 c	86.25 a
REFLEX	0.25 lb ai/a A								
14 CLARITY	0.5 lb ai/a A	82.50 abc	86.25 a	86.25 abc	92.50 a	88.75 abc	95.00 a	75.00 abc	80.00 abc
REFLEX	0.25 lb ai/a A								
15 VALOR	1 oz/a A	78.75 a-f	87.50 a	88.75 ab	95.00 a	88.75 abc	95.00 a	72.50 bc	68.75 bcd
16 VALOR	2 oz/a A	73.75 b-f	91.25 a	91.25 ab	95.00 a	86.25 a-d	95.00 a	78.75 ab	68.75 bcd
17 SYNCHRONY XP	1.5 oz/a A	78.75 a-f	90.00 a	95.00 a	95.00 a	93.75 a	95.00 a	72.50 bc	72.50 a-d
18 NONTREATED		0.00 g	0.00 b	0.00 d	0.00 c	0.00 e	0.00 b	0.00 d	0.00 e
LSD (P=.05)		12.353	11.301	11.284	5.551	11.053	0.000	10.661	15.421
Standard Deviation		8.735	7.991	7.979	3.925	7.816	0.000	7.538	10.904
CV		11.97	9.73	9.88	4.48	9.51	0.0	10.47	15.92
Grand Mean		72.99	82.15	80.76	87.57	82.22	89.72	72.01	68.47
Bartlett's X2		13.324	11.427	5.043	12.503	23.882	0.0	17.177	9.764
P(Bartlett's X2)		0.649	0.782	0.992	0.253	0.092	.	0.374	0.879
Replicate F		2.686	2.804	0.180	2.066	1.895	0.000	1.587	1.818
Replicate Prob(F)		0.0562	0.0490	0.9095	0.1163	0.1422	1.0000	0.2040	0.1555
Treatment F		19.256	27.173	26.704	126.062	28.921	0.000	24.909	10.918
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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

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LSU Northeast Research Station

Weed Code		IPOLA	IPOHG	SEBEX	CASOB	AMARE	ECHCG	SORHA	IPOLA
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%	%	%
Rating Date		31/May/2007	31/May/2007	31/May/2007	31/May/2007	31/May/2007	24/May/2007	24/May/2007	24/May/2007
Trt-Eval Interval		28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt Treatment									
No. Name	Rate Unit Appl Code	17	18	19	20	21	22	23	24
1 CLARITY	0.25 lb ai/a A	80.00 abc	85.00 ab	86.25 a-d	87.50 ab	95.00 a	56.25 e	73.75 a-d	81.25 a-d
2 CLARITY	0.375 lb ai/a A	82.50 abc	78.75 a-d	78.75 a-e	91.25 a	95.00 a	67.50 b-e	62.50 cd	83.75 a-d
3 CLARITY	0.5 lb ai/a A	83.75 abc	81.25 a-d	87.50 abc	86.25 ab	95.00 a	73.75 a-d	62.50 cd	87.50 abc
4 CLARITY	0.75 lb ai/a A	82.50 abc	80.00 a-d	82.50 a-e	87.50 ab	95.00 a	68.75 a-e	71.25 a-d	85.00 a-d
5 CLARITY	1.0 lb ai/a A	91.25 a	87.50 a	95.00 a	86.25 ab	95.00 a	66.25 cde	67.50 a-d	92.50 a
6 MON 69492	1.5 lb ai/a A	71.25 bc	65.00 e	78.75 a-e	77.50 bc	95.00 a	73.75 a-d	60.00 d	75.00 bcd
7 CLARITY	0.25 lb ai/a A	81.25 abc	83.75 abc	80.00 a-e	86.25 ab	95.00 a	82.50 a	66.25 bcd	88.75 ab
MON 69492	1.5 lb ai/a A								
8 CLARITY	0.5 lb ai/a A	70.00 bc	76.25 a-e	82.50 a-e	83.75 ab	95.00 a	82.50 a	67.50 a-d	72.50 d
MON 69492	1.5 lb ai/a A								
9 PROWL	0.825 lb ai/a A	81.25 abc	75.00 b-e	85.00 a-d	75.00 bc	95.00 a	75.00 a-d	57.50 d	83.75 a-d
10 CLARITY	0.25 lb ai/a A	71.25 bc	71.25 de	70.00 cde	70.00 c	95.00 a	81.25 ab	71.25 a-d	81.25 a-d
PROWL	0.825 lb ai/a A								
11 CLARITY	0.5 lb ai/a A	68.75 c	72.50 cde	68.75 de	76.25 bc	95.00 a	78.75 abc	72.50 a-d	73.75 cd
PROWL	0.825 lb ai/a A								
12 REFLEX	0.25 lb ai/a A	76.25 abc	71.25 de	73.75 b-e	78.75 abc	95.00 a	68.75 a-e	85.00 a	76.25 bcd
13 CLARITY	0.25 lb ai/a A	80.00 abc	76.25 a-e	78.75 a-e	82.50 abc	95.00 a	62.50 de	83.75 ab	83.75 a-d
REFLEX	0.25 lb ai/a A								
14 CLARITY	0.5 lb ai/a A	68.75 c	72.50 cde	83.75 a-d	81.25 abc	95.00 a	72.50 a-d	78.75 abc	78.75 a-d
REFLEX	0.25 lb ai/a A								
15 VALOR	1 oz/a A	78.75 abc	78.75 a-d	88.75 ab	82.50 abc	95.00 a	68.75 a-e	68.75 a-d	82.50 a-d
16 VALOR	2 oz/a A	85.00 ab	87.50 a	87.50 abc	78.75 abc	95.00 a	72.50 a-d	61.25 cd	88.75 ab
17 SYNCHRONY XP	1.5 oz/a A	80.00 abc	86.25 ab	65.00 e	85.00 ab	95.00 a	68.75 a-e	68.75 a-d	87.50 abc
18 NONTREATED		0.00 d	0.00 f	0.00 f	0.00 d	0.00 b	0.00 f	0.00 e	0.00 e
LSD (P=.05)		15.375	12.302	17.778	13.021	0.000	14.229	18.294	14.402
Standard Deviation		10.872	8.699	12.571	9.207	0.000	10.061	12.936	10.184
CV		14.69	11.78	16.49	11.87	0.0	14.84	19.75	13.07
Grand Mean		74.03	73.82	76.25	77.57	89.72	67.78	65.49	77.92
Bartlett's X2		11.201	19.727	8.899	23.399	0.0	13.733	14.718	10.184
P(Bartlett's X2)		0.797	0.233	0.883	0.103	.	0.619	0.545	0.857
Replicate F		4.681	0.262	0.823	4.209	0.000	1.070	0.865	2.326
Replicate Prob(F)		0.0058	0.8528	0.4872	0.0098	1.0000	0.3700	0.4652	0.0857
Treatment F		12.863	20.060	10.641	19.018	0.000	13.166	7.765	15.783
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	1.0000	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.

LSU Northeast Research Station

Weed Code		IPOHG	SEBEX	CASOB	AMARE	ECHCG	SORHA	IPOLA	IPOHG	SEBEX
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%	%	%	%
Rating Date		24/May/2007	24/May/2007	24/May/2007	24/May/2007	7/Jun/2007	7/Jun/2007	7/Jun/2007	7/Jun/2007	7/Jun/2007
Trt-Eval Interval		21 DA-A	21 DA-A	21 DA-A	21 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
Trt Treatment										
No. Name	Rate Unit Appl Code	25	26	27	28	29	30	31	32	33
1 CLARITY	0.25 lb ai/a A	83.75 a-f	87.50 abc	87.50 abc	95.00 a	60.00 e	73.75 a-d	83.75 ab	78.75 a-d	83.75 a-d
2 CLARITY	0.375 lb ai/a A	86.25 a-d	80.00 b-e	88.75 ab	95.00 a	67.50 cde	65.00 d	78.75 a-d	81.25 abc	78.75 a-e
3 CLARITY	0.5 lb ai/a A	81.25 c-f	87.50 abc	80.00 a-e	95.00 a	76.25 a-d	65.00 d	83.75 ab	75.00 a-e	86.25 abc
4 CLARITY	0.75 lb ai/a A	85.00 a-e	82.50 a-d	83.75 abc	95.00 a	72.50 a-d	73.75 a-d	82.50 abc	78.75 a-d	80.00 a-e
5 CLARITY	1.0 lb ai/a A	88.75 abc	95.00 a	88.75 ab	95.00 a	73.75 a-d	65.00 d	88.75 a	82.50 ab	92.50 a
6 MON 69492	1.5 lb ai/a A	70.00 g	75.00 cde	75.00 cde	95.00 a	83.75 a	62.50 d	70.00 a-d	66.25 de	72.50 b-f
7 CLARITY	0.25 lb ai/a A	85.00 a-e	83.75 a-d	85.00 abc	95.00 a	82.50 ab	67.50 bcd	80.00 abc	81.25 abc	77.50 a-e
MON 69492	1.5 lb ai/a A									
8 CLARITY	0.5 lb ai/a A	85.00 a-e	82.50 a-d	85.00 abc	95.00 a	78.75 abc	72.50 a-d	63.75 cd	72.50 b-e	76.25 a-f
MON 69492	1.5 lb ai/a A									
9 PROWL	0.825 lb ai/a A	77.50 efg	83.75 a-d	76.25 b-e	95.00 a	78.75 abc	66.25 cd	75.00 a-d	73.75 a-e	76.25 a-f
10 CLARITY	0.25 lb ai/a A	82.50 b-f	72.50 de	67.50 e	95.00 a	82.50 ab	77.50 a-d	65.00 bcd	66.25 de	71.25 c-f
PROWL	0.825 lb ai/a A									
11 CLARITY	0.5 lb ai/a A	78.75 def	68.75 e	70.00 de	95.00 a	80.00 ab	75.00 a-d	68.75 bcd	63.75 e	60.00 f
PROWL	0.825 lb ai/a A									
12 REFLEX	0.25 lb ai/a A	82.50 b-f	73.75 de	75.00 cde	95.00 a	71.25 b-e	82.50 ab	75.00 a-d	73.75 a-e	68.75 def
13 CLARITY	0.25 lb ai/a A	82.50 b-f	80.00 b-e	81.25 a-d	95.00 a	66.25 de	83.75 a	76.25 a-d	72.50 b-e	77.50 a-e
REFLEX	0.25 lb ai/a A									
14 CLARITY	0.5 lb ai/a A	76.25 fg	80.00 b-e	77.50 a-e	95.00 a	73.75 a-d	81.25 abc	60.00 d	67.50 cde	68.75 def
REFLEX	0.25 lb ai/a A									
15 VALOR	1 oz/a A	85.00 a-e	92.50 ab	82.50 a-d	95.00 a	71.25 b-e	66.25 cd	77.50 a-d	77.50 a-e	88.75 ab
16 VALOR	2 oz/a A	91.25 a	88.75 ab	80.00 a-e	95.00 a	72.50 a-d	67.50 bcd	82.50 abc	83.75 ab	83.75 a-d
17 SYNCHRONY XP	1.5 oz/a A	90.00 ab	75.00 cde	90.00 a	95.00 a	71.25 b-e	71.25 a-d	83.75 ab	87.50 a	65.00 ef
18 NONTREATED		0.00 h	0.00 f	0.00 f	0.00 b	0.00 f	0.00 e	0.00 e	0.00 f	0.00 g
LSD (P=.05)		8.656	13.594	12.810	0.000	11.542	15.776	19.425	14.022	17.461
Standard Deviation		6.121	9.612	9.058	0.000	8.162	11.156	13.736	9.915	12.347
CV		7.81	12.46	11.87	0.0	11.64	16.51	19.09	13.92	17.0
Grand Mean		78.4	77.15	76.32	89.72	70.14	67.57	71.94	71.25	72.64
Bartlett's X2		9.022	16.68	24.881	0.0	18.396	8.2	9.27	18.719	15.954
P(Bartlett's X2)		0.912	0.338	0.072	.	0.301	0.943	0.902	0.283	0.456
Replicate F		0.182	2.639	3.288	0.000	0.577	0.896	5.923	0.928	3.088
Replicate Prob(F)		0.9080	0.0594	0.0279	1.0000	0.6329	0.4499	0.0015	0.4341	0.0352
Treatment F		43.663	18.175	19.685	0.000	20.696	10.502	8.169	14.659	10.461
Treatment Prob(F)		0.0001	0.0001	0.0001	1.0000	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.

LSU Northeast Research Station

Weed Code	CASOB	AMARE	
Crop Code	GLXMA	GLXMA	
Rating Data Type	CONTROL	CONTROL	
Rating Unit	%	%	
Rating Date	7/Jun/2007	7/Jun/2007	
Trt-Eval Interval	35 DA-A	35 DA-A	

Trt	Treatment	Rate	Unit	Appl	Code	34	35
1	CLARITY	0.25	lb ai/a	A		86.25 a	95.00 a
2	CLARITY	0.375	lb ai/a	A		83.75 ab	95.00 a
3	CLARITY	0.5	lb ai/a	A		80.00 abc	95.00 a
4	CLARITY	0.75	lb ai/a	A		83.75 ab	95.00 a
5	CLARITY	1.0	lb ai/a	A		81.25 ab	95.00 a
6	MON 69492	1.5	lb ai/a	A		73.75 a-d	95.00 a
7	CLARITY	0.25	lb ai/a	A		85.00 ab	95.00 a
	MON 69492	1.5	lb ai/a	A			
8	CLARITY	0.5	lb ai/a	A		77.50 a-d	95.00 a
	MON 69492	1.5	lb ai/a	A			
9	PROWL	0.825	lb ai/a	A		75.00 a-d	95.00 a
10	CLARITY	0.25	lb ai/a	A		66.25 cd	95.00 a
	PROWL	0.825	lb ai/a	A			
11	CLARITY	0.5	lb ai/a	A		65.00 d	95.00 a
	PROWL	0.825	lb ai/a	A			
12	REFLEX	0.25	lb ai/a	A		75.00 a-d	95.00 a
13	CLARITY	0.25	lb ai/a	A		78.75 a-d	95.00 a
	REFLEX	0.25	lb ai/a	A			
14	CLARITY	0.5	lb ai/a	A		71.25 bcd	95.00 a
	REFLEX	0.25	lb ai/a	A			
15	VALOR	1	oz/a	A		82.50 ab	95.00 a
16	VALOR	2	oz/a	A		72.50 a-d	95.00 a
17	SYNCHRONY XP	1.5	oz/a	A		85.00 ab	95.00 a
18	NONTREATED					0.00 e	0.00 b
LSD (P=.05)						13.777	0.000
Standard Deviation						9.742	0.000
CV						13.26	0.0
Grand Mean						73.47	89.72
Bartlett's X2						20.147	0.0
P(Bartlett's X2)						0.214	.
Replicate F						1.702	0.000
Replicate Prob(F)						0.1782	1.0000
Treatment F						15.871	0.000
Treatment Prob(F)						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.