

# LSU Northeast Research Station

## DETERMINE THE EFFICACY OF AND SELECTIVITY OF DIURON 80 SC WHEN APPLIED PRE, POST DIRECT AND AS A LAYBY TREATMENT TO COTTON

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

### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. ECHCG	Barnyardgrass, common	Echinochloa crus-galli
2. ELEIN	Bullgrass	Eleusine indica
3. IPOLA	Morningglory, pitted	Ipomoea lacunosa
4. IPOHG	Morningglory, entireleaf	Ipomoea hederacea
5. SEBEX	Coffeebean	Sesbania exaltata
6. CASOB	Sickle pod	Cassia obtusifolia
7. AMARE	Carelessweed	Amaranthus retroflexus
8. SORHA	Johnson grass	Sorghum halepense
9. ANVCR	Anoda, spurred	Anoda cristata
10. DIGSA	Crabgrass, large	Digitaria sanguinalis

Crop 1: GOSHI COTTON Variety: DP 164 B2RF  
 Planting Date: \_\_\_\_\_

### 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: 1 Texture: SILT LOAM  
 % Silt: 28 pH: 6.5  
 % Clay: 22 CEC: 12.8

### APPLICATION DESCRIPTION

	A	B	C
Application Date:	1/May/2007	13/Jul/2007	13/Jul/2007
Time of Day:	5:50 PM	10:00 AM	10:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PREPRE	POSPOS	POSPOS
Applic. Placement:	BROSOI	BRODIR	BRODIR
Air Temp., Unit:	84 F	84 F	84 F
% Relative Humidity:	51	80	80
Wind Velocity, Unit:	6.9 MPH	3.6 MPH	3.6 MPH
Dew Presence (Y/N):	N	N	N
Water Hardness:	N	N	N
Soil Temp., Unit:	78 F	82 F	82 F
Soil Moisture:	DRY	MOIST	MOIST
% Cloud Cover:	40	100	100

**CROP STAGE AT EACH APPLICATION**

	A	B	C
Crop 1 Code, Stage:	GOSHI N/A	GOSHI 14-16NODE	GOSHI 14-16NODE
Stage Scale:			
Height, Unit:			

**WEED STAGE AT EACH APPLICATION**

	A	B	C
Weed 1 Code, Stage:	ECHCG	ECHCG 8-12"	ECHCG 8-12"
Stage Scale:			
Density, Unit:			
Weed 2 Code, Stage:	ELEIN	ELEIN	ELEIN
Stage Scale:			
Density, Unit:			
Weed 3 Code, Stage:	IPOLA	IPOLA	IPOLA
Stage Scale:			
Density, Unit:			
Weed 4 Code, Stage:	IPOHG	IPOHG	IPOHG
Stage Scale:			
Density, Unit:			
Weed 5 Code, Stage:	SEBEX	SEBEX	SEBEX
Stage Scale:			
Density, Unit:			
Weed 6 Code, Stage:	CASOB	CASOB	CASOB
Stage Scale:			
Density, Unit:			
Weed 7 Code, Stage:	AMARE	AMARE	AMARE
Stage Scale:			
Density, Unit:			
Weed 8 Code, Stage:	SORHA	SORHA	SORHA
Stage Scale:			
Density, Unit:			
Weed 9 Code, Stage:	ANVCR	ANVCR	ANVCR
Stage Scale:			
Density, Unit:			
Weed10 Code, Stage:	DIGSA	DIGSA	DIGSA
Stage Scale:			
Density, Unit:			

**APPLICATION EQUIPMENT**

	A	B	C
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	34 PSI	24 PSI	24 PSI
Nozzle Type:	DG	TK	TK
Nozzle Size:	11002	2.5	2.5
Nozzle Spacing, Unit:	20	40	40
Nozzles/Row:	2	1	1
Band Width, Unit:			
Boom Length, Unit:			
Boom Height, Unit:			
Ground Speed, Unit:	3.2 MPH	3.2 MPH	3.2 MPH
Incorporation Equip.:			
Hours to Incorp.:			
Incorp. Depth, Unit:			
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Spray pH:			
Propellant:			
Tank Mix (Y/N):			

# LSU Northeast Research Station

Trial ID:		Study Dir.:																
Location:		Investigator: Donnie Miller																
Weed Code	ECHCG		ELEIN		IPOLA		IPOHG		SEBEX		CASOB		AMARE		SORHA		DIGSA	
Crop Code	GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI	
Rating Data Type	CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Unit	%		%		%		%		%		%		%		%		%	
Rating Date	8/May/2007		8/May/2007		8/May/2007		8/May/2007		8/May/2007		8/May/2007		8/May/2007		8/May/2007		8/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		7 DA-A		7 DA-A	
Trt Treatment	Rate	Appl																
No. Name	Rate Unit	Code	1	2	3	4	5	6	7	8	9							
1 DIURON	16 oz/a	A	67.50 c	67.50 c	91.25 a	90.00 a	90.00 a	86.25 a	93.75 a	65.00 b	67.50 c							
2 DIURON	32 oz/a	A	80.83 b	80.00 b	93.75 a	93.75 a	93.75 a	90.00 a	92.50 a	80.00 ab	80.00 b							
3 DIURON	8 oz/a	B																
TARGET	48 oz/a	B																
NIS	0.25 % v/v	B																
4 DIURON	14.4 oz/a	C																
GLYFOS XTRA	32 oz/a	C																
5 DIREX	26 oz/a	A	95.00 a	92.50 a	93.75 a	93.75 a	92.50 a	91.25 a	100.00 a	88.75 a	92.50 a							
6 NONTREATED			0.00 d	0.00 d	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 c	0.00 d							
LSD (P=.05)			10.191	10.829	4.267	4.806	4.665	10.063	9.259	20.137	10.829							
Standard Deviation			6.250	6.770	2.668	3.005	2.917	6.292	5.789	12.590	6.770							
CV			10.27	11.28	3.83	4.33	4.22	9.41	8.09	21.54	11.28							
Grand Mean			60.83	60.0	69.69	69.38	69.06	66.88	71.56	58.44	60.0							
Bartlett's X2			0.0	1.965	1.74	0.985	0.755	0.91	0.418	2.678	1.965							
P(Bartlett's X2)			.	0.161	0.419	0.611	0.686	0.634	0.518	0.262	0.161							
Replicate F			1.031	0.636	1.976	0.231	0.673	0.684	0.917	1.561	0.636							
Replicate Prob(F)			0.4291	0.6102	0.1883	0.8727	0.5896	0.5838	0.4707	0.2655	0.6102							
Treatment F			181.336	148.727	1213.683	949.154	997.898	201.316	273.000	40.728	148.727							
Treatment Prob(F)			0.0001	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.

# LSU Northeast Research Station

Weed Code			ECHCG	ELEIN	IPOLA	IPOHG	SEBEX	CASOB	AMARE	SORHA	
Crop Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	
Rating Data Type			INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit			%	%	%	%	%	%	%	%	
Rating Date			8/May/2007	15/May/2007	15/May/2007	15/May/2007	15/May/2007	15/May/2007	15/May/2007	15/May/2007	
Trt-Eval Interval			7 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	
Trt Treatment											
No. Name	Rate Unit	Appl Code	10	11	12	13	14	15	16	17	18
1 DIURON	16 oz/a	A	1.25 b	71.25 a	76.25 ab	92.50 ab	92.50 a	83.75 a	83.75 a	92.50 a	65.00 b
2 DIURON	32 oz/a	A	3.75 ab	80.00 a	75.00 ab	92.50 ab	92.50 a	90.00 a	85.00 a	86.25 ab	67.50 ab
3 DIURON	8 oz/a	B		75.00 a	63.75 b	87.50 b	87.50 a	87.50 a	88.75 a	56.25 c	56.25 b
TARGET	48 oz/a	B									
NIS	0.25 % v/v	B									
4 DIURON	14.4 oz/a	C		71.25 a	66.25 b	88.75 ab	88.75 a	82.50 a	83.75 a	75.00 b	55.00 b
GLYFOS XTRA	32 oz/a	C									
5 DIREX	26 oz/a	A	6.25 a	87.50 a	91.25 a	93.75 a	92.50 a	87.50 a	91.25 a	95.00 a	83.75 a
6 NONTREATED			0.00 b	0.00 b	0.00 c	0.00 c	0.00 b	0.00 b	0.00 b	0.00 d	0.00 c
LSD (P=.05)			4.267	19.176	17.490	6.100	7.092	10.408	11.371	15.824	17.290
Standard Deviation			2.668	12.726	11.607	4.048	4.707	6.907	7.546	10.501	11.475
CV			94.86	19.83	18.7	5.34	6.22	9.61	10.47	15.56	21.02
Grand Mean			2.81	64.17	62.08	75.83	75.63	71.88	72.08	67.5	54.58
Bartlett's X2			1.74	3.832	4.458	3.167	1.628	0.676	3.42	4.076	6.29
P(Bartlett's X2)			0.419	0.429	0.348	0.53	0.804	0.954	0.49	0.253	0.179
Replicate F			1.976	0.172	1.000	1.356	0.549	2.293	0.415	0.327	2.373
Replicate Prob(F)			0.1883	0.9140	0.4199	0.2941	0.6567	0.1197	0.7450	0.8056	0.1112
Treatment F			4.317	25.343	30.241	338.288	248.699	104.581	88.229	46.950	24.962
Treatment Prob(F)			0.0381	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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# LSU Northeast Research Station

Weed Code			ANVCR	DIGSA			ECHCG	ELEIN	IPOLA	IPOHG	SEBEX
Crop Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type			CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%	%	%	%	%	%
Rating Date			15/May/2007	15/May/2007	15/May/2007	22/May/2007	22/May/2007	22/May/2007	22/May/2007	22/May/2007	22/May/2007
Trt-Eval Interval			14 DA-A	14 DA-A	14 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit Code	19	20	21	22	23	24	25	26	
1 DIURON	16 oz/a	A	87.50 a	76.25 ab	0.00 a	78.75 b	65.00 b	93.75 a	93.75 a	85.00 a	
2 DIURON	32 oz/a	A	87.50 a	75.00 ab	0.00 a	81.25 ab	72.50 b	95.00 a	92.50 a	86.25 a	
3 DIURON	8 oz/a	B	92.50 a	63.75 b	0.00 a						
TARGET	48 oz/a	B									
NIS	0.25 % v/v	B									
4 DIURON	14.4 oz/a	C	82.50 a	66.25 b	0.00 a						
GLYFOS XTRA	32 oz/a	C									
5 DIREX	26 oz/a	A	86.25 a	91.25 a	0.00 a	87.50 a	86.25 a	93.75 a	91.25 a	83.75 a	
6 NONTREATED			0.00 b	0.00 c	0.00 a	0.00 c	0.00 c	0.00 b	0.00 b	0.00 b	
LSD (P=.05)			11.880	17.490	0.000	7.657	13.077	2.309	4.806	11.310	
Standard Deviation			7.884	11.607	0.000	4.787	8.176	1.443	3.005	7.071	
CV			10.84	18.7	0.0	7.74	14.62	2.04	4.33	11.09	
Grand Mean			72.71	62.08	0.0	61.88	55.94	70.63	69.38	63.75	
Bartlett's X2			3.063	4.458	0.0	2.511	4.887	0.0	1.408	2.478	
P(Bartlett's X2)			0.547	0.348	.	0.285	0.087	1.00	0.495	0.29	
Replicate F			12.263	1.000	0.000	0.818	0.958	3.000	1.154	1.250	
Replicate Prob(F)			0.0003	0.4199	1.0000	0.5157	0.4532	0.0877	0.3795	0.3482	
Treatment F			82.314	30.241	0.000	299.364	87.857	4257.000	948.231	144.583	
Treatment Prob(F)			0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	

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# LSU Northeast Research Station

Weed Code	CASOB	AMARE	SORHA	DIGSA	ANVCR	ECHCG	ELEIN	IPOLA			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%			
Rating Date	22/May/2007	22/May/2007	22/May/2007	22/May/2007	22/May/2007	29/May/2007	29/May/2007	29/May/2007			
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A			
Trt Treatment											
No. Name	Rate	Unit	Appl Code	27	28	29	30	31	32	33	34
1 DIURON	16 oz/a	A		87.50 a	90.00 a	60.00 a	65.00 b	91.25 a	63.75 b	88.75 b	90.00 a
2 DIURON	32 oz/a	A		86.25 a	86.25 a	62.50 a	73.75 ab	88.75 a	72.50 ab	92.50 ab	92.50 a
3 DIURON	8 oz/a	B									
TARGET	48 oz/a	B									
NIS	0.25 % v/v	B									
4 DIURON	14.4 oz/a	C									
GLYFOS XTRA	32 oz/a	C									
5 DIREX	26 oz/a	A		88.75 a	93.75 a	73.75 a	86.25 a	85.00 a	83.75 a	93.75 a	95.00 a
6 NONTREATED				0.00 b	0.00 b	0.00 b	0.00 c	0.00 b	0.00 c	0.00 c	0.00 b
LSD (P=.05)				12.575	8.841	22.551	13.195	10.393	18.080	3.770	5.162
Standard Deviation				7.862	5.528	14.099	8.250	6.374	11.304	2.357	3.227
CV				11.98	8.19	28.74	14.67	9.62	20.55	3.43	4.65
Grand Mean				65.63	67.5	49.06	56.25	66.25	55.0	68.75	69.38
Bartlett's X2				0.93	5.648	0.141	4.034	2.071	1.517	0.081	0.119
P(Bartlett's X2)				0.628	0.059	0.932	0.133	0.355	0.468	0.96	0.73
Replicate F				0.573	1.227	2.355	1.102	4.205	0.424	0.750	1.000
Replicate Prob(F)				0.6469	0.3553	0.1399	0.3976	0.0463	0.7406	0.5493	0.4363
Treatment F				123.944	266.318	22.247	87.122	192.718	44.185	1515.750	823.000
Treatment Prob(F)				0.0001	0.0001	0.0002	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	IPOHG	SEBEX	CASOB	AMARE	SORHA	ANVCR	DIGSA	GOSHI	GOSHI			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY			
Rating Unit	%	%	%	%	%	%	%	%	%			
Rating Date	29/May/2007	29/May/2007	29/May/2007	29/May/2007	29/May/2007	29/May/2007	29/May/2007	29/May/2007	20/Jul/2007			
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	7 DA-B&C			
Trt Treatment												
No. Name	Rate	Unit	Appl Code	35	36	37	38	39	40	41	42	43
1 DIURON	16 oz/a	A		91.25 a	91.25 a	91.25 a	91.25 a	56.25 a	85.00 a	77.50 a	0.00 a	
2 DIURON	32 oz/a	A		95.00 a	90.00 a	90.00 a	87.50 a	60.00 a	87.50 a	75.00 a	0.00 a	
3 DIURON	8 oz/a	B										5.00 a
TARGET	48 oz/a	B										
NIS	0.25 % v/v	B										
4 DIURON	14.4 oz/a	C										5.00 a
GLYFOS XTRA	32 oz/a	C										
5 DIREX	26 oz/a	A		93.75 a	86.25 a	86.25 a	93.75 a	67.50 a	77.50 a	88.75 a	0.00 a	
6 NONTREATED				0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 a	0.00 b
LSD (P=.05)				4.617	13.788	13.788	6.392	21.337	20.126	16.229	0.000	0.000
Standard Deviation				2.887	8.620	8.620	3.997	13.340	12.583	10.146	0.000	0.000
CV				4.12	12.89	12.89	5.87	29.04	20.13	16.82	0.0	0.0
Grand Mean				70.0	66.88	66.88	68.13	45.94	62.5	60.31	0.0	3.33
Bartlett's X2				1.154	0.572	2.113	4.295	0.039	5.111	3.061	0.0	0.0
P(Bartlett's X2)				0.283	0.751	0.348	0.117	0.981	0.078	0.216	.	.
Replicate F				0.500	0.981	0.533	1.435	2.889	2.158	0.703	0.000	0.000
Replicate Prob(F)				0.6915	0.4438	0.6712	0.2959	0.0948	0.1629	0.5736	1.0000	1.0000
Treatment F				1046.500	107.243	107.243	518.217	21.574	44.316	64.204	0.000	0.000
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	1.0000	1.0000

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# LSU Northeast Research Station

Weed Code	ECHCG	ELEIN	IPOLA	IPOHG	SEBEX	CASOB	AMARE	SORHA	ANVCR			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%	%			
Rating Date	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007	27/Jul/2007			
Trt-Eval Interval	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C	14 DAB&C			
Trt Treatment												
No. Name	Rate	Unit	Appl Code	44	45	46	47	48	49	50	51	52
1 DIURON	16 oz/a		A									
2 DIURON	32 oz/a		A									
3 DIURON	8 oz/a		B	63.75 b	80.00 b	88.75 a	93.75 a	91.25 a	95.00 a	95.00 a	92.50 a	80.00 a
TARGET	48 oz/a		B									
NIS	0.25 % v/v		B									
4 DIURON	14.4 oz/a		C	80.00 a	87.50 a	95.00 a	95.00 a	95.00 a	95.00 a	95.00 a	92.50 a	82.50 a
GLYFOS XTRA	32 oz/a		C									
5 DIREX	26 oz/a		A									
6 NONTREATED				0.00 c	0.00 c	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b
LSD (P=.05)				9.885	2.884	7.492	2.497	4.782	0.000	0.000	4.078	14.985
Standard Deviation				5.713	1.667	4.330	1.443	2.764	0.000	0.000	2.357	8.660
CV				11.92	2.99	7.07	2.29	4.45	0.0	0.0	3.82	15.99
Grand Mean				47.92	55.83	61.25	62.92	62.08	63.33	63.33	61.67	54.17
Bartlett's X2				1.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.433
P(Bartlett's X2)				0.286	.	.	.	.	.	.	1.00	0.51
Replicate F				1.255	1.000	1.000	1.000	1.000	0.000	0.000	1.000	1.889
Replicate Prob(F)				0.3704	0.4547	0.4547	0.4547	0.4547	1.0000	1.0000	0.4547	0.2325
Treatment F				219.128	3387.000	602.333	5701.001	1515.546	0.000	0.000	2053.500	117.444
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	0.0001	0.0001

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# LSU Northeast Research Station

Weed Code	DIGSA	ECHCG	ELEIN	IPOLA	IPOHG	SEBEX	CASOB	AMARE	SORHA			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%	%			
Rating Date	27/Jul/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007	3/Aug/2007			
Trt-Eval Interval	14 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C	21 DAB&C			
Trt Treatment												
No. Name	Rate	Unit	Appl Code	53	54	55	56	57	58	59	60	61
1 DIURON	16 oz/a		A									
2 DIURON	32 oz/a		A									
3 DIURON	8 oz/a		B	86.25 a	40.00 b	42.50 b	88.75 a	88.75 a	93.75 a	95.00 a	91.25 a	88.75 a
TARGET	48 oz/a		B									
NIS	0.25 % v/v		B									
4 DIURON	14.4 oz/a		C	92.50 a	78.75 a	93.75 a	93.75 a	93.75 a	95.00 a	95.00 a	95.00 a	93.75 a
GLYFOS XTRA	32 oz/a		C									
5 DIREX	26 oz/a		A									
6 NONTREATED				0.00 b	0.00 c	0.00 c	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 b
LSD (P=.05)				6.608	8.530	9.673	6.915	6.915	2.497	0.000	7.492	7.492
Standard Deviation				3.819	4.930	5.590	3.997	3.997	1.443	0.000	4.330	4.330
CV				6.41	12.45	12.31	6.57	6.57	2.29	0.0	6.97	7.12
Grand Mean				59.58	39.58	45.42	60.83	60.83	62.92	63.33	62.08	60.83
Bartlett's X2				0.717	0.795	3.674	2.982	2.982	0.0	0.0	0.0	2.197
P(Bartlett's X2)				0.397	0.372	0.055	0.084	0.084	.	.	.	0.138
Replicate F				0.143	1.686	0.600	1.913	1.913	1.000	0.000	1.000	0.444
Replicate Prob(F)				0.9306	0.2682	0.6382	0.2287	0.2287	0.4547	1.0000	0.4547	0.7300
Treatment F				733.000	255.171	282.067	696.652	696.652	5701.001	0.000	617.445	593.445
Treatment Prob(F)				0.0001	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)

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

# LSU Northeast Research Station

Weed Code	ANVCR	DIGSA	ECHCG	ELEIN	IPOLA	IPOHG	SEBEX	CASOB	AMARE			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%	%			
Rating Date	3/Aug/2007	3/Aug/2007	10/Aug/2007	10/Aug/2007	10/Aug/2007	10/Aug/2007	10/Aug/2007	10/Aug/2007	10/Aug/2007			
Trt-Eval Interval	21 DAB&C	21 DAB&C	28 DAB&C	28 DAB&C	28 DAB&C	28 DAB&C	28 DAB&C	28 DAB&C	28 DAB&C			
Trt Treatment												
No. Name	Rate	Unit	Appl Code	62	63	64	65	66	67	68	69	70
1 DIURON	16 oz/a		A									
2 DIURON	32 oz/a		A									
3 DIURON	8 oz/a		B	77.50 a	95.00 a	27.50 b	50.00 b	92.50 a	92.50 a	91.25 a	92.50 a	95.00 a
TARGET	48 oz/a		B									
NIS	0.25 % v/v		B									
4 DIURON	14.4 oz/a		C	87.50 a	95.00 a	70.00 a	82.50 a	92.50 a	92.50 a	91.25 a	93.75 a	88.75 b
GLYFOS XTRA	32 oz/a		C									
5 DIREX	26 oz/a		A									
6 NONTREATED				0.00 b	0.00 b	0.00 c	0.00 c	0.00 b	0.00 b	0.00 b	0.00 b	0.00 c
LSD (P=.05)				12.897	0.000	13.830	13.215	4.995	4.995	6.915	5.945	4.782
Standard Deviation				7.454	0.000	7.993	7.638	2.887	2.887	3.997	3.436	2.764
CV				13.55	0.0	24.59	17.29	4.68	4.68	6.57	5.53	4.51
Grand Mean				55.0	63.33	32.5	44.17	61.67	61.67	60.83	62.08	61.25
Bartlett's X2				0.29	0.0	3.109	4.4	0.84	0.84	0.0	1.303	0.0
P(Bartlett's X2)				0.59	.	0.078	0.036*	0.359	0.359	0.001*	0.254	.
Replicate F				1.900	0.000	0.739	0.429	2.000	2.000	0.870	0.647	1.000
Replicate Prob(F)				0.2307	1.0000	0.5662	0.7400	0.2156	0.2156	0.5069	0.6128	0.4547
Treatment F				165.150	0.000	77.870	118.429	1369.000	1369.000	695.087	979.588	1478.455
Treatment Prob(F)				0.0001	1.0000	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.

# LSU Northeast Research Station

Weed Code	SORHA	ANVCR	DIGSA
Crop Code	GOSHI	GOSHI	GOSHI
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%
Rating Date	10/Aug/2007	10/Aug/2007	10/Aug/2007
Trt-Eval Interval	28 DAB&C	28 DAB&C	28 DAB&C
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
		71	72
		73	
1 DIURON	16 oz/a	A	
2 DIURON	32 oz/a	A	
3 DIURON	8 oz/a	B	85.00 a
TARGET	48 oz/a	B	78.75 a
NIS	0.25 % v/v	B	92.50 a
4 DIURON	14.4 oz/a	C	92.50 a
GLYFOS XTRA	32 oz/a	C	88.75 a
5 DIREX	26 oz/a	A	95.00 a
6 NONTREATED			0.00 b
LSD (P=.05)			8.157
Standard Deviation			10.297
CV			4.995
Grand Mean			4.714
Bartlett's X2			5.951
P(Bartlett's X2)			7.97
Replicate F			10.66
Replicate Prob(F)			4.62
Treatment F			59.17
Treatment Prob(F)			55.83
			62.5
			2.083
			0.157
			0.0
			0.149
			0.692
			.
			0.625
			2.118
			1.000
			0.6246
			0.1993
			0.4547
			475.125
			266.882
			1407.000
			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.