

# LSU Northeast Research Station

COMPETITION EFFECTS OF VARIOUS DENSITIES OF ROUNDUP READY COTTON AS A WEED IN ROUNDUP READY SOYBEAN

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

**SITE AND DESIGN**

Plot Width, Unit: 13.3 FT Plot Length, Unit: 40 FT Reps: 4  
 Site Type: \_\_\_\_\_  
 Tillage Type: \_\_\_\_\_ Study Design: RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

**APPLICATION DESCRIPTION**

	A
Application Date:	
Time of Day:	
Application Method:	
Application Timing:	
Applic. Placement:	
Air Temp., Unit:	
% Relative Humidity:	
Wind Velocity, Unit:	
Dew Presence (Y/N):	
Water Hardness:	
Soil Temp., Unit:	
Soil Moisture:	
% Cloud Cover:	

**WEED STAGE AT EACH APPLICATION**

	A
Weed 1 Code, Stage:	GOSHI
Stage Scale:	
Density, Unit:	

**APPLICATION EQUIPMENT**

	A
Appl. Equipment:	
Operating Pressure:	
Nozzle Type:	
Nozzle Size:	
Nozzle Spacing, Unit:	
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	
Spray Volume, Unit:	
Spray pH:	
Propellant:	
Tank Mix (Y/N):	

# LSU Northeast Research Station

Trial ID:		Study Dir.:						
Location:		Investigator: Donnie Miller						
Weed Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Unit	CM	CM	CM	CM	CM	CM	CM	CM
Rating Date	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005
Trt-Eval Interval	ROW 1	ROW 1	ROW 1	ROW1	ROW 2	ROW 2	ROW 2	ROW 2
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	1	2	3	4	5	6	7	8
Treatment Name								
Rate Unit								
1 0 PLANTS	12 a	12 a	13 a	12 a	12 a	13 a	13 a	12 a
2 2 PLANTS	13 a	12 a	12 a	11 a	13 a	13 a	12 a	12 a
3 4 PLANTS	13 a	13 a	12 a	13 a	12 a	12 a	13 a	12 a
4 8 PLANTS	13 a	40 a	12 a	12 a	13 a	13 a	13 a	12 a
5 16 PLANTS	13 a	13 a	13 a	12 a	12 a	12 a	12 a	14 a
6 32 PLANTS	13 a	13 a	12 a	13 a	12 a	12 a	12 a	13 a
7 64 PLANTS	13 a	13 a	12 a	13 a	13 a	12 a	12 a	12 a
LSD (P=.05)	2.1	30.9	2.4	1.9	2.0	2.5	2.5	2.8
Standard Deviation	1.4	20.8	1.6	1.3	1.3	1.7	1.7	1.9
CV	11.15	127.57	13.15	10.46	11.09	13.62	13.78	15.37
Grand Mean	12.71	16.29	12.18	12.21	12.07	12.5	12.25	12.43
Bartlett's X2	9.368	71.946	1.613	5.664	5.018	5.015	8.761	1.746
P(Bartlett's X2)	0.154	0.001*	0.952	0.462	0.542	0.542	0.187	0.942
Replicate F	1.470	0.994	0.794	0.847	0.133	0.674	0.347	0.078
Replicate Prob(F)	0.2561	0.4181	0.5130	0.4862	0.9393	0.5791	0.7919	0.9709
Treatment F	0.557	1.015	0.121	1.146	0.451	0.403	0.175	0.748
Treatment Prob(F)	0.7583	0.4464	0.9924	0.3766	0.8347	0.8675	0.9801	0.6191

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

## LSU Northeast Research Station

Weed Code		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		
Crop Code		WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS		
Rating Data Type	AVG HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS		
Rating Unit	CM	CM	CM	CM	CM	CM	CM		
Rating Date	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005	2/Jun/2005		
Trt-Eval Interval		ROW 1	ROW1	ROW 1	ROW 1	ROW 2	ROW 2		
ARM Action Codes	T1								
# Subsamples, Dec.	1								
Trt No.	Treatment Name	Rate Unit							
			9	10	11	12	13	14	15
1	0 PLANTS		12.3 a						
2	2 PLANTS		12.1 a	10 a	8 a			9 a	6 b
3	4 PLANTS		12.4 a	9 a	9 a	11 a	10 a	9 a	8 ab
4	8 PLANTS		15.7 a	9 a	10 a	9 a	9 a	11 a	12 a
5	16 PLANTS		12.5 a	11 a	11 a	10 a	9 a	11 a	11 ab
6	32 PLANTS		12.4 a	10 a	10 a	11 a	11 a	10 a	10 ab
7	64 PLANTS		12.4 a	11 a	12 a	10 a	10 a	10 a	10 ab
LSD (P=.05)			3.82	3.6	3.2	3.4	3.6	3.3	3.6
Standard Deviation			2.57	2.4	2.1	2.2	2.3	2.2	2.4
CV			20.02	23.77	21.03	22.27	23.88	22.22	25.64
Grand Mean			12.83	10.08	10.0	10.0	9.8	9.92	9.29
Bartlett's X2			39.475	5.315	3.578	8.293	8.389	4.167	6.14
P(Bartlett's X2)			0.001*	0.379	0.612	0.081	0.078	0.526	0.293
Replicate F			1.016	0.861	0.879	0.269	1.632	0.286	0.419
Replicate Prob(F)			0.4088	0.4828	0.4738	0.8466	0.2342	0.8347	0.7423
Treatment F			0.971	0.447	1.447	0.227	0.397	0.693	3.267
Treatment Prob(F)			0.4725	0.8091	0.2644	0.9181	0.8069	0.6364	0.0341

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 9: T1 = @AVG([C1].[C8])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	WEED HTS	WEED HTS	AVG HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type	CM	CM	CM	CM	CM	CM	CM	CM
Rating Unit	2/Jun/2005	2/Jun/2005	2/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005
Rating Date	ROW 2	ROW 2		ROW 1	ROW 1	ROW 1	ROW 1	ROW 2
Trt-Eval Interval								
ARM Action Codes			T2					
# Subsamples, Dec.			1					
Trt No.	16	17	18	19	20	21	22	23
Treatment Name				19 a	19 a	19 a	17 a	19 a
Rate Unit								
1 0 PLANTS				19 a	19 a	19 a	17 a	19 a
2 2 PLANTS			8.1 a	19 a	18 a	20 a	18 a	18 a
3 4 PLANTS	11 a	8 a	9.3 a	20 a	20 a	18 a	19 a	20 a
4 8 PLANTS	11 a	9 a	10.1 a	19 a	17 a	17 a	18 a	18 a
5 16 PLANTS	11 a	10 a	10.5 a	19 a	20 a	19 a	19 a	18 a
6 32 PLANTS	10 a	11 a	10.2 a	18 a	18 a	16 a	16 a	17 a
7 64 PLANTS	11 a	10 a	10.4 a	18 a	17 a	17 a	18 a	16 a
LSD (P=.05)	3.2	3.4	2.27	3.2	4.0	4.4	3.3	3.5
Standard Deviation	2.0	2.2	1.50	2.1	2.7	3.0	2.2	2.3
CV	19.31	22.78	15.4	11.36	14.86	16.73	12.49	13.22
Grand Mean	10.6	9.7	9.77	18.71	18.32	17.89	17.75	17.75
Bartlett's X2	8.952	9.25	3.142	6.734	10.382	4.818	6.188	4.533
P(Bartlett's X2)	0.062	0.055	0.678	0.346	0.109	0.567	0.402	0.605
Replicate F	1.368	0.369	0.247	3.817	1.547	0.653	0.492	3.190
Replicate Prob(F)	0.2996	0.7771	0.8625	0.0281	0.2367	0.5916	0.6926	0.0486
Treatment F	0.316	0.727	1.426	0.469	0.773	1.078	0.797	1.317
Treatment Prob(F)	0.8618	0.5904	0.2712	0.8221	0.6013	0.4117	0.5848	0.2998

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 18: T2 = @AVG([C10].[C17])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		
Crop Code	GLXMA	GLXMA	GLXMA		GLXMA	GLXMA	GLXMA		
Rating Data Type	CROP HTS	CROP HTS	CROP HTS	AVG HTS	WEED HTS	WEED HTS	WEED HTS		
Rating Unit	CM	CM	CM	CM	CM	CM	CM		
Rating Date	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005		
Trt-Eval Interval	ROW 2	ROW 2	ROW 2		ROW 1	ROW 1	ROW 1		
ARM Action Codes				T3					
# Subsamples, Dec.				1					
Trt No.	Treatment Name	Rate Unit	24	25	26	27	28	29	30
1	0 PLANTS		20 a	21 a	18 a	18.9 a			
2	2 PLANTS		18 a	17 a	18 a	18.1 a	15 a	9 a	
3	4 PLANTS		20 a	18 a	19 a	19.2 a	13 a	15 a	17 a
4	8 PLANTS		17 a	18 a	19 a	17.8 a	17 a	13 a	14 a
5	16 PLANTS		17 a	18 a	20 a	18.6 a	18 a	15 a	18 a
6	32 PLANTS		18 a	17 a	16 a	16.8 a	15 a	17 a	15 a
7	64 PLANTS		17 a	18 a	15 a	16.9 a	18 a	17 a	18 a
LSD (P=.05)			5.0	4.4	3.9	2.47	4.7	5.8	5.6
Standard Deviation			3.4	2.9	2.6	1.66	3.1	3.9	3.6
CV			18.57	16.2	14.91	9.22	19.42	26.75	22.42
Grand Mean			18.07	18.14	17.61	18.03	15.96	14.46	16.2
Bartlett's X2			5.727	4.883	3.974	4.438	3.354	7.525	7.196
P(Bartlett's X2)			0.454	0.559	0.68	0.618	0.646	0.184	0.126
Replicate F			0.554	1.135	0.544	0.327	1.635	0.441	0.940
Replicate Prob(F)			0.6522	0.3615	0.6582	0.8059	0.2234	0.7272	0.4517
Treatment F			0.775	0.972	1.825	1.272	1.784	2.482	0.714
Treatment Prob(F)			0.6001	0.4714	0.1506	0.3186	0.1767	0.0790	0.5979

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 27: T3 = @AVG([C19].[C26])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	WEED	WEED	WEED	WEED	WEED	WEED	CROP
Rating Data Type	HTS	HTS	HTS	HTS	HTS	HTS	HTS
Rating Unit	CM	CM	CM	CM	CM	CM	CM
Rating Date	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	9/Jun/2005	16/Jun/2005
Trt-Eval Interval	ROW 1	ROW 2	ROW 2	ROW 2	ROW 2	ROW 2	ROW 1
ARM Action Codes							T4
# Subsamples, Dec.							1
Trt No.	31	32	33	34	35	36	37
Treatment Name							
Rate Unit							
1 0 PLANTS							24 a
2 2 PLANTS		13 a	14 a			12.6 a	25 a
3 4 PLANTS	18 a	14 a	15 a	15 a	16 a	15.2 a	29 a
4 8 PLANTS	10 b	14 a	12 a	16 a	14 a	13.8 a	29 a
5 16 PLANTS	15 a	17 a	18 a	18 a	16 a	16.9 a	30 a
6 32 PLANTS	18 a	16 a	15 a	13 a	16 a	15.6 a	27 a
7 64 PLANTS	16 a	14 a	15 a	13 a	14 a	15.6 a	28 a
LSD (P=.05)	4.7	5.3	5.1	5.9	5.7	3.20	6.1
Standard Deviation	3.0	3.5	3.4	3.8	3.7	2.12	4.1
CV	19.74	24.04	23.1	25.58	24.54	14.2	15.04
Grand Mean	15.3	14.63	14.75	15.0	15.2	14.95	27.29
Bartlett's X2	9.176	1.886	4.806	0.84	2.264	8.826	4.818
P(Bartlett's X2)	0.057	0.865	0.44	0.933	0.687	0.116	0.567
Replicate F	3.543	2.286	0.282	0.244	1.677	1.328	3.872
Replicate Prob(F)	0.0481	0.1204	0.8374	0.8637	0.2247	0.3025	0.0268
Treatment F	4.047	0.831	1.180	1.265	0.363	2.047	1.214
Treatment Prob(F)	0.0265	0.5474	0.3644	0.3367	0.8304	0.1297	0.3443

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 36: T4 = @AVG([C28].[C35])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type	CM	CM	CM	CM	CM	CM	CM
Rating Unit	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005
Trt-Eval Interval	ROW 1	ROW 1	ROW 1	ROW 2	ROW 2	ROW 2	ROW 2
ARM Action Codes							
# Subsamples, Dec.							
Trt No.	38	39	40	41	42	43	44
Treatment Name							
Rate Unit							
1 0 PLANTS	28 a	26 a	25 a	27 a	28 a	29 a	31 a
2 2 PLANTS	25 a	24 a	29 a	24 a	28 a	27 a	26 a
3 4 PLANTS	30 a	29 a	27 a	29 a	30 a	31 a	28 a
4 8 PLANTS	29 a	27 a	26 a	29 a	27 a	24 a	29 a
5 16 PLANTS	26 a	29 a	27 a	28 a	28 a	27 a	32 a
6 32 PLANTS	28 a	26 a	26 a	24 a	26 a	25 a	26 a
7 64 PLANTS	24 a	29 a	25 a	26 a	26 a	28 a	27 a
LSD (P=.05)	6.2	5.1	5.2	4.9	3.6	4.8	4.2
Standard Deviation	4.2	3.4	3.5	3.3	2.4	3.3	2.9
CV	15.5	12.79	13.16	12.29	8.87	12.01	10.11
Grand Mean	26.96	26.93	26.5	26.68	27.43	27.14	28.29
Bartlett's X2	10.741	3.472	3.094	9.587	1.127	7.245	5.451
P(Bartlett's X2)	0.097	0.748	0.797	0.143	0.98	0.299	0.487
Replicate F	1.126	1.080	0.294	0.331	1.014	0.117	0.117
Replicate Prob(F)	0.3650	0.3828	0.8293	0.8030	0.4095	0.9493	0.9493
Treatment F	1.257	1.346	0.706	1.517	1.588	1.795	2.482
Treatment Prob(F)	0.3249	0.2882	0.6488	0.2289	0.2079	0.1569	0.0630

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

## LSU Northeast Research Station

Weed Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	AVG HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS
Rating Unit	CM	CM	CM	CM	CM	CM	CM
Rating Date	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005
Trt-Eval Interval		ROW 1	ROW 1	ROW 1	ROW 1	ROW 2	ROW 2
ARM Action Codes	T5						
# Subsamples, Dec.	1						
Trt No.	Treatment Name	Rate Unit					
45		46	47	48	49	50	51
1	0 PLANTS	27.0 a					
2	2 PLANTS	26.0 a	20 a	14 b		15 b	22 a
3	4 PLANTS	29.0 a	21 a	22 ab	24 a	19 a	18 ab
4	8 PLANTS	27.3 a	22 a	22 ab	20 a	23 a	24 a
5	16 PLANTS	28.4 a	26 a	23 ab	26 a	26 a	22 a
6	32 PLANTS	26.1 a	23 a	25 a	24 a	24 a	22 a
7	64 PLANTS	26.5 a	24 a	24 ab	25 a	24 a	23 a
LSD (P=.05)	2.59	6.3	6.8	6.8	5.3	5.3	6.7
Standard Deviation	1.74	4.2	4.5	4.4	3.5	3.5	4.5
CV	6.41	18.63	20.73	18.77	14.86	16.98	19.74
Grand Mean	27.15	22.46	21.67	23.55	23.25	20.71	22.63
Bartlett's X2	8.918	2.407	6.865	3.611	6.508	7.982	1.277
P(Bartlett's X2)	0.178	0.79	0.231	0.461	0.164	0.157	0.937
Replicate F	1.269	0.872	0.220	1.258	7.228	4.335	0.219
Replicate Prob(F)	0.3148	0.4772	0.8808	0.3326	0.0050	0.0218	0.8814
Treatment F	1.738	1.277	3.126	1.032	2.041	4.185	0.676
Treatment Prob(F)	0.1694	0.3245	0.0395	0.4300	0.1523	0.0140	0.6484

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 45: T5 = @AVG([C37].[C44])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	AVG HTS CM	GOSHI GLXMA CROP HTS CM	GOSHI GLXMA CROP HTS CM	GOSHI GLXMA CROP HTS CM	GOSHI GLXMA CROP HTS CM
Crop Code	WEED HTS	WEED HTS	16/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Rating Data Type	CM	CM	16/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Rating Unit	ROW 2	ROW 2	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1
Rating Date							
Trt-Eval Interval							
ARM Action Codes			T6				
# Subsamples, Dec.			1				
Trt No.	52	53	54	55	56	57	58
Treatment Name							
Rate Unit							
1 0 PLANTS				40 a	44 a	41 a	40 a
2 2 PLANTS			17.6 c	43 a	42 a	40 a	41 a
3 4 PLANTS	18 a	23 a	20.4 b	42 a	43 a	45 a	45 a
4 8 PLANTS	23 a	23 a	22.6 ab	41 a	41 a	44 a	39 a
5 16 PLANTS	24 a	26 a	24.6 a	43 a	45 a	41 a	40 a
6 32 PLANTS	22 a	23 a	23.4 a	43 a	42 a	43 a	44 a
7 64 PLANTS	23 a	24 a	23.7 a	44 a	45 a	45 a	43 a
LSD (P=.05)	4.9	8.4	2.41	11.3	7.9	8.8	7.3
Standard Deviation	3.2	5.4	1.60	7.6	5.3	5.9	4.9
CV	14.51	22.99	7.28	17.99	12.35	13.88	11.81
Grand Mean	22.0	23.6	22.02	42.18	42.89	42.57	41.5
Bartlett's X2	1.633	3.792	5.271	4.001	11.403	4.929	1.93
P(Bartlett's X2)	0.803	0.435	0.384	0.676	0.077	0.553	0.926
Replicate F	2.056	0.911	5.850	0.226	0.368	0.207	2.575
Replicate Prob(F)	0.1598	0.4647	0.0075	0.8773	0.7772	0.8900	0.0859
Treatment F	1.989	0.334	10.595	0.118	0.335	0.462	0.742
Treatment Prob(F)	0.1604	0.8499	0.0002	0.9928	0.9095	0.8269	0.6229

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 54: T6 = @AVG([C46].[C53])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA		
Crop Code	CROP HTS	CROP HTS	CROP HTS	CROP HTS	AVG HTS	WEED HTS	WEED HTS		
Rating Data Type	CM	CM	CM	CM	CM	CM	CM		
Rating Unit	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005		
Trt-Eval Interval	ROW 2	ROW 2	ROW 2	ROW 2		ROW 1	ROW 1		
ARM Action Codes					T7				
# Subsamples, Dec.					1				
Trt No.	Treatment Name	Rate Unit	59	60	61	62	63	64	65
1	0 PLANTS		42 a	46 a	46 a	43 a	42.7 a		
2	2 PLANTS		41 a	40 a	40 a	40 a	40.7 a	33 a	20 a
3	4 PLANTS		45 a	46 a	45 a	41 a	43.8 a	30 a	34 a
4	8 PLANTS		41 a	38 a	42 a	40 a	40.6 a	32 a	29 a
5	16 PLANTS		46 a	43 a	47 a	39 a	43.0 a	40 a	36 a
6	32 PLANTS		40 a	38 a	39 a	38 a	40.6 a	32 a	35 a
7	64 PLANTS		38 a	41 a	43 a	41 a	42.3 a	34 a	34 a
LSD (P=.05)	8.0	8.1	7.9	7.5	4.56	9.0	11.4		
Standard Deviation	5.4	5.4	5.3	5.1	3.07	6.0	7.6		
CV	12.96	13.13	12.31	12.62	7.32	17.85	24.25		
Grand Mean	41.79	41.39	43.04	40.21	41.95	33.46	31.29		
Bartlett's X2	4.031	2.723	4.035	6.716	0.875	1.812	4.38		
P(Bartlett's X2)	0.672	0.843	0.672	0.348	0.99	0.874	0.496		
Replicate F	1.743	0.555	2.579	0.438	1.792	2.608	0.126		
Replicate Prob(F)	0.1941	0.6511	0.0856	0.7284	0.1847	0.0899	0.9431		
Treatment F	1.044	1.689	1.236	0.383	0.722	1.265	2.785		
Treatment Prob(F)	0.4300	0.1812	0.3344	0.8802	0.6374	0.3290	0.0566		

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 63: T7 = @AVG([C55].[C62])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	AVG HTS CM
Crop Code	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	
Rating Data Type	CM	CM	CM	CM	CM	CM	
Rating Unit	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Trt-Eval Interval	ROW 1	ROW 1	ROW 2	ROW 2	ROW 2	ROW 2	
ARM Action Codes							T8
# Subsamples, Dec.							1
Trt No.	66	67	68	69	70	71	72
Treatment Name							
Rate Unit							
1 0 PLANTS							
2 2 PLANTS			33 a	21 a			26.8 b
3 4 PLANTS	27 a	37 a	29 a	28 a	26 a	23 b	29.2 ab
4 8 PLANTS	28 a	37 a	38 a	37 a	34 a	36 a	33.8 a
5 16 PLANTS	35 a	35 a	38 a	32 a	35 a	37 a	35.9 a
6 32 PLANTS	33 a	35 a	34 a	34 a	35 a	38 a	34.3 a
7 64 PLANTS	33 a	33 a	34 a	32 a	33 a	34 a	33.3 a
LSD (P=.05)	11.3	9.1	7.8	9.9	6.9	7.7	5.07
Standard Deviation	7.3	5.9	5.2	6.6	4.5	5.0	3.36
CV	23.52	16.86	15.17	21.46	13.8	14.96	10.44
Grand Mean	31.1	35.15	34.25	30.58	32.45	33.6	32.21
Bartlett's X2	0.982	7.187	2.332	4.176	3.026	8.281	3.487
P(Bartlett's X2)	0.912	0.126	0.802	0.524	0.553	0.082	0.625
Replicate F	0.654	1.418	1.664	0.156	1.538	0.987	1.055
Replicate Prob(F)	0.5956	0.2858	0.2172	0.9241	0.2554	0.4317	0.3973
Treatment F	1.004	0.326	1.573	2.796	2.888	5.549	4.265
Treatment Prob(F)	0.4432	0.8552	0.2272	0.0560	0.0690	0.0091	0.0130

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 72: T8 = @AVG([C64].[C71])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA		
Crop Code	CROP HTS	CROP HTS	CROP HTS	CROP HTS	AVG HTS	WEED HTS	WEED HTS		
Rating Data Type	CM	CM	CM	CM	CM	CM	CM		
Rating Unit	30/Jun/2005	30/Jun/2005	30/Jun/2005	30/Jun/2005	30/Jun/2005	30/Jun/2005	30/Jun/2005		
Trt-Eval Interval	ROW 1	ROW 1	ROW 2	ROW 2		ROW 1	ROW 1		
ARM Action Codes					T9				
# Subsamples, Dec.					1				
Trt No.	Treatment Name	Rate Unit	73	74	75	76	77	78	79
1	0 PLANTS		56 a	60 a	60 a	59 a	58.6 a		
2	2 PLANTS		62 a	56 a	57 a	54 a	57.0 a	43 a	
3	4 PLANTS		63 a	64 a	62 a	54 a	60.8 a	44 a	43 a
4	8 PLANTS		60 a	56 a	57 a	58 a	57.5 a	49 a	47 a
5	16 PLANTS		60 a	61 a	62 a	62 a	61.2 a	47 a	52 a
6	32 PLANTS		57 a	59 a	56 a	56 a	57.0 a	52 a	48 a
7	64 PLANTS		58 a	60 a	54 a	57 a	57.1 a	52 a	49 a
LSD (P=.05)			10.4	8.7	7.5	8.5	6.72	11.5	9.9
Standard Deviation			7.0	5.9	5.0	5.7	4.52	7.6	6.4
CV			11.8	9.88	8.63	10.01	7.74	15.94	13.43
Grand Mean			59.18	59.32	58.18	57.14	58.46	47.75	47.8
Bartlett's X2			8.607	6.942	11.676	2.844	8.846	5.53	10.836
P(Bartlett's X2)			0.197	0.326	0.07	0.828	0.182	0.355	0.028*
Replicate F			1.185	1.294	3.625	2.973	2.177	2.658	3.219
Replicate Prob(F)			0.3433	0.3070	0.0331	0.0593	0.1260	0.0860	0.0614
Treatment F			0.554	1.072	1.431	0.942	0.641	0.919	0.963
Treatment Prob(F)			0.7610	0.4148	0.2572	0.4897	0.6963	0.4955	0.4627

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 77: T9 = @AVG([C73].[C76])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		
Crop Code	WEED HTS	WEED HTS	AVG HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS		
Rating Data Type	CM	CM	CM	CM	CM	CM	CM		
Rating Unit	30/Jun/2005	30/Jun/2005	30/Jun/2005	8/Jul/2005	8/Jul/2005	8/Jul/2005	8/Jul/2005		
Trt-Eval Interval	ROW 2	ROW 2		ROW 1	ROW 1	ROW 2	ROW 2		
ARM Action Codes			T10						
# Subsamples, Dec.			1						
Trt No.	Treatment Name	Rate Unit	80	81	82	83	84	85	86
1	0 PLANTS					81 a	83 a	83 a	80 a
2	2 PLANTS	45 a		44.3 a	79 a	79 a	79 a	78 a	80 a
3	4 PLANTS	46 a	47 a	44.9 a	82 a	82 a	82 a	78 a	82 a
4	8 PLANTS	46 a	48 a	47.4 a	80 a	82 a	82 a	78 a	80 a
5	16 PLANTS	54 a	55 a	51.8 a	83 a	86 a	86 a	80 a	79 a
6	32 PLANTS	48 a	53 a	50.1 a	81 a	82 a	82 a	80 a	80 a
7	64 PLANTS	50 a	49 a	50.0 a	79 a	80 a	80 a	81 a	79 a
LSD (P=.05)	8.4	9.0	4.97	10.4	11.2	6.5	7.2		
Standard Deviation	5.6	5.8	3.30	7.0	7.6	4.4	4.9		
CV	11.57	11.58	6.85	8.68	9.26	5.48	6.11		
Grand Mean	48.13	50.3	48.09	80.5	81.71	79.68	79.79		
Bartlett's X2	3.561	5.714	2.114	4.125	13.452	10.617	6.876		
P(Bartlett's X2)	0.614	0.222	0.833	0.66	0.036*	0.101	0.332		
Replicate F	7.793	8.819	19.180	0.636	0.688	2.488	0.901		
Replicate Prob(F)	0.0023	0.0023	0.0001	0.6017	0.5712	0.0933	0.4602		
Treatment F	1.493	1.423	3.445	0.246	0.426	0.667	0.247		
Treatment Prob(F)	0.2501	0.2852	0.0285	0.9547	0.8520	0.6772	0.9542		

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 82: T10 = @AVG([C78].[C81])

## LSU Northeast Research Station

Weed Code		GOSHI	GOSHI	GOSHI	GOSHI		GOSHI	GOSHI		
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA		GLXMA	GLXMA		
Rating Data Type	AVG HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	AVG HTS	CROP HTS	CROP HTS		
Rating Unit	CM	CM	CM	CM	CM	CM	CM	CM		
Rating Date	8/Jul/2005	8/Jul/2005	8/Jul/2005	8/Jul/2005	8/Jul/2005	8/Jul/2005	15/Jul/2005	15/Jul/2005		
Trt-Eval Interval		ROW 1	ROW 1	ROW 2	ROW 2		ROW 1	ROW 1		
ARM Action Codes	T11					T12				
# Subsamples, Dec.	1					1				
Trt No.	Treatment Name	Rate Unit								
			87	88	89	90	91	92	93	94
1	0 PLANTS		81.5 a						94 a	99 a
2	2 PLANTS		78.8 a	61 a		63 a		62.0 a	103 a	97 a
3	4 PLANTS		81.0 a	58 a	63 ab	62 a	60 a	60.4 a	98 a	98 a
4	8 PLANTS		79.8 a	62 a	55 b	75 a	67 a	64.6 a	103 a	91 a
5	16 PLANTS		81.9 a	68 a	65 ab	71 a	68 a	68.1 a	92 a	96 a
6	32 PLANTS		80.4 a	71 a	73 a	69 a	70 a	70.4 a	91 a	97 a
7	64 PLANTS		79.4 a	68 a	69 a	76 a	70 a	70.7 a	97 a	97 a
LSD (P=.05)			6.12	13.8	9.8	10.1	14.4	8.73	11.0	9.5
Standard Deviation			4.12	9.2	6.4	6.7	9.3	5.79	7.4	6.4
CV			5.12	14.23	9.85	9.7	13.96	8.77	7.69	6.63
Grand Mean			80.42	64.54	64.85	69.13	66.9	66.03	96.54	96.29
Bartlett's X2			5.141	4.656	7.612	1.602	2.827	2.9	4.122	10.723
P(Bartlett's X2)			0.526	0.459	0.107	0.901	0.587	0.715	0.66	0.097
Replicate F			1.142	2.522	2.259	9.525	1.606	5.917	0.588	3.000
Replicate Prob(F)			0.3590	0.0971	0.1339	0.0009	0.2397	0.0072	0.6309	0.0578
Treatment F			0.303	1.149	4.204	3.051	0.852	2.246	1.615	0.749
Treatment Prob(F)			0.9270	0.3779	0.0235	0.0427	0.5191	0.1032	0.2001	0.6180

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 87: T11 = @AVG([C83].[C86])

Column 92: T12 = @AVG([C88].[C91])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	AVG HTS CM
Crop Code	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	
Rating Data Type	CM	CM	CM	CM	CM	CM	
Rating Unit	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005
Trt-Eval Interval	ROW 1	ROW 1	ROW 2	ROW 2	ROW 2	ROW 2	
ARM Action Codes							T13
# Subsamples, Dec.							1
Trt No.	95	96	97	98	99	100	101
Treatment Name							
Rate Unit							
1 0 PLANTS	96 a	95 a	97 a	101 a	100 a	102 a	98.0 a
2 2 PLANTS	97 a	95 a	97 a	96 a	95 a	93 a	96.3 a
3 4 PLANTS	95 a	97 a	99 a	95 a	96 a	95 a	96.4 a
4 8 PLANTS	96 a	90 a	98 a	93 a	100 a	102 a	96.3 a
5 16 PLANTS	86 a	94 a	90 a	99 a	98 a	92 a	93.3 a
6 32 PLANTS	94 a	101 a	93 a	93 a	89 a	94 a	94.0 a
7 64 PLANTS	97 a	98 a	100 a	98 a	97 a	98 a	97.4 a
LSD (P=.05)	8.6	11.3	8.9	8.0	10.3	10.3	3.25
Standard Deviation	5.8	7.6	6.0	5.4	6.9	6.9	2.19
CV	6.16	8.0	6.22	5.56	7.18	7.19	2.28
Grand Mean	94.21	95.43	96.18	96.18	96.25	96.54	95.95
Bartlett's X2	2.052	5.889	5.424	7.575	7.595	4.366	2.051
P(Bartlett's X2)	0.915	0.436	0.491	0.271	0.269	0.627	0.915
Replicate F	0.377	1.336	1.606	2.412	2.052	2.124	4.444
Replicate Prob(F)	0.7706	0.2938	0.2230	0.1004	0.1426	0.1328	0.0167
Treatment F	1.838	0.868	1.369	1.311	1.141	1.451	2.504
Treatment Prob(F)	0.1480	0.5366	0.2796	0.3021	0.3793	0.2503	0.0612

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 101: T13 = @AVG([C93].[C100])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS
Rating Data Type	CM	CM	CM	CM	CM	CM	CM
Rating Unit	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005	15/Jul/2005
Rating Date	ROW 1	ROW 1	ROW 1	ROW 1	ROW 2	ROW 2	ROW 2
Trt-Eval Interval							
ARM Action Codes							
# Subsamples, Dec.							
Trt No.	102	103	104	105	106	107	108
Treatment Name							
Rate Unit							
1 0 PLANTS							
2 2 PLANTS	72 a	62 b			88 a	74 a	
3 4 PLANTS	70 a	76 a	72 a	78 a	73 a	77 a	65 a
4 8 PLANTS	88 a	84 a	80 a	85 a	82 a	77 a	85 a
5 16 PLANTS	71 a	82 a	66 a	73 a	74 a	88 a	68 a
6 32 PLANTS	87 a	85 a	80 a	85 a	89 a	80 a	85 a
7 64 PLANTS	91 a	95 a	91 a	94 a	92 a	88 a	87 a
LSD (P=.05)	22.7	13.8	19.2	17.9	15.8	9.7	18.9
Standard Deviation	15.0	9.1	12.3	11.5	10.5	6.4	12.1
CV	18.85	11.26	15.84	13.84	12.64	8.0	15.57
Grand Mean	79.79	80.46	77.72	83.05	82.75	80.46	77.96
Bartlett's X2	4.001	3.145	7.6	4.221	8.908	6.331	5.228
P(Bartlett's X2)	0.549	0.678	0.107	0.377	0.113	0.275	0.265
Replicate F	0.348	4.269	1.578	0.723	5.252	4.826	0.635
Replicate Prob(F)	0.7908	0.0264	0.2505	0.5588	0.0112	0.0152	0.6079
Treatment F	1.707	6.026	2.424	1.996	2.289	3.257	2.932
Treatment Prob(F)	0.1936	0.0042	0.1106	0.1647	0.0982	0.0345	0.0709

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	WEED HTS	AVG HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type	CM	CM	CM	CM	CM	CM	CM
Rating Unit							
Rating Date	15/Jul/2005	15/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005
Trt-Eval Interval	ROW 2		ROW 1	ROW 1	ROW 1	ROW 1	ROW 2
ARM Action Codes		T14					
# Subsamples, Dec.		1					
Trt No.	109	110	111	112	113	114	115
Treatment Name							
Rate Unit							
1 0 PLANTS			103 a	107 a	106 a	105 a	106 a
2 2 PLANTS		75.8 b	99 a	100 a	102 a	102 a	99 a
3 4 PLANTS	74 ab	73.6 b	107 a	108 a	105 a	99 a	107 a
4 8 PLANTS	79 ab	82.6 ab	100 a	101 a	103 a	98 a	98 a
5 16 PLANTS	70 b	73.8 b	99 a	101 a	101 a	107 a	105 a
6 32 PLANTS	87 ab	84.5 ab	99 a	99 a	99 a	99 a	97 a
7 64 PLANTS	95 a	91.4 a	95 a	98 a	98 a	100 a	98 a
LSD (P=.05)	16.1	8.16	18.1	13.6	15.7	12.3	14.7
Standard Deviation	10.3	5.42	12.2	9.2	10.6	8.2	9.9
CV	12.76	6.75	12.15	9.01	10.36	8.14	9.81
Grand Mean	80.88	80.28	100.36	101.79	102.04	101.36	101.18
Bartlett's X2	0.789	1.39	2.57	2.259	2.093	5.016	4.072
P(Bartlett's X2)	0.94	0.925	0.861	0.894	0.911	0.542	0.667
Replicate F	2.794	5.893	0.405	0.465	0.505	0.864	0.137
Replicate Prob(F)	0.0901	0.0073	0.7510	0.7105	0.6839	0.4777	0.9368
Treatment F	3.602	6.939	0.402	0.695	0.325	0.624	0.741
Treatment Prob(F)	0.0412	0.0015	0.8681	0.6572	0.9154	0.7088	0.6235

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 110: T14 = @AVG([C102].[C109])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA		
Crop Code	GLXMA	GLXMA	GLXMA		GLXMA	GLXMA	GLXMA		
Rating Data Type	CROP HTS	CROP HTS	CROP HTS	AVG HTS	WEED HTS	WEED HTS	WEED HTS		
Rating Unit	CM	CM	CM	CM	CM	CM	CM		
Rating Date	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005		
Trt-Eval Interval	ROW 2	ROW 2	ROW 2		ROW 1	ROW 1	ROW 1		
ARM Action Codes				T15					
# Subsamples, Dec.				1					
Trt No.	Treatment Name	Rate Unit	116	117	118	119	120	121	122
1	0 PLANTS		109 a	115 a	107 a	107.1 a			
2	2 PLANTS		103 a	105 a	107 a	101.9 a	80 ab	61 a	
3	4 PLANTS		107 a	97 a	106 a	104.4 a	64 b	80 a	69 a
4	8 PLANTS		100 a	101 a	103 a	100.4 a	103 ab	94 a	97 a
5	16 PLANTS		102 a	102 a	98 a	101.9 a	93 ab	97 a	94 a
6	32 PLANTS		102 a	102 a	106 a	100.4 a	79 ab	90 a	91 a
7	64 PLANTS		99 a	96 a	100 a	97.9 a	109 a	107 a	103 a
LSD (P=.05)			12.9	13.6	12.6	11.27	28.6	29.6	28.3
Standard Deviation			8.7	9.2	8.5	7.59	19.0	19.5	18.4
CV			8.45	8.95	8.15	7.44	21.54	22.2	20.25
Grand Mean			103.0	102.46	103.71	101.99	88.0	87.96	90.65
Bartlett's X2			9.13	3.408	5.715	4.8	10.221	4.951	5.371
P(Bartlett's X2)			0.166	0.756	0.456	0.57	0.069	0.422	0.251
Replicate F			0.128	0.787	0.177	0.257	0.177	0.565	0.502
Replicate Prob(F)			0.9422	0.5166	0.9103	0.8554	0.9102	0.6470	0.6878
Treatment F			0.668	1.764	0.724	0.619	3.114	2.626	1.987
Treatment Prob(F)			0.6765	0.1636	0.6360	0.7125	0.0400	0.0708	0.1606

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 119: T15 = @AVG([C111].[C118])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	AVG HTS CM	GOSHI GLXMA YIELD LBS		
Crop Code	WEED HTS	WEED HTS	WEED HTS	WEED HTS	WEED HTS	21/Jul/2005	13/Oct/2005		
Rating Data Type	CM	CM	CM	CM	CM				
Rating Unit	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005	21/Jul/2005			
Rating Date	ROW 1	ROW 2	ROW 2	ROW 2	ROW 2				
Trt-Eval Interval									
ARM Action Codes						T16			
# Subsamples, Dec.						1			
Trt No.	Treatment Name	Rate Unit	123	124	125	126	127	128	129
1	0 PLANTS								16 ab
2	2 PLANTS		98 a	89 ab			84.0 b		18 a
3	4 PLANTS	67 b	59 b	70 b	73 b	64 b	68.8 c		17 a
4	8 PLANTS	90 ab	87 a	87 ab	90 a	94 a	92.8 ab		17 a
5	16 PLANTS	99 a	94 a	101 a	93 a	99 a	96.0 ab		18 a
6	32 PLANTS	101 a	103 a	109 a	104 a	105 a	97.6 ab		14 b
7	64 PLANTS	106 a	100 a	103 a	104 a	95 a	103.2 a		11 c
LSD (P=.05)	23.8	18.3	18.1	13.9	13.8	12.15	2.4		
Standard Deviation	15.5	12.1	11.9	9.0	8.9	8.06	1.6		
CV	16.72	13.47	12.81	9.69	9.76	8.92	10.26		
Grand Mean	92.5	90.17	93.11	92.75	91.16	90.37	15.76		
Bartlett's X2	2.122	15.594	0.777	3.511	3.752	5.305	11.885		
P(Bartlett's X2)	0.713	0.008*	0.979	0.476	0.441	0.38	0.065		
Replicate F	0.712	2.274	3.056	8.839	7.441	1.849	0.217		
Replicate Prob(F)	0.5636	0.1218	0.0633	0.0023	0.0054	0.1816	0.8836		
Treatment F	3.921	7.045	5.412	7.969	13.052	9.353	10.212		
Treatment Prob(F)	0.0292	0.0014	0.0056	0.0022	0.0004	0.0003	0.0001		

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

Column 128: T16 = @AVG([C120].[C127])

## LSU Northeast Research Station

Weed Code	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA	GOSHI GLXMA
Crop Code	MOISTURE	YIELD	AVG CROP HT	WEED CTS	WEED CTS
Rating Data Type	%	BU/A	CM		
Rating Unit	13/Oct/2005	13/Oct/2005	10/Oct/2005	10/Oct/2005	10/Oct/2005
Rating Date			@harvest	@harvest	@harvest
Trt-Eval Interval					
ARM Action Codes		TY17		row1	row2
# Subsamples, Dec.		1			
Trt No.	130	131	132	133	134
Treatment Name					
Rate Unit					
1 0 PLANTS	30 a	35.3 a	88 a	0 c	0 e
2 2 PLANTS	15 a	46.8 a	82 a	1 c	2 e
3 4 PLANTS	30 a	38.0 a	87 a	7 c	6 de
4 8 PLANTS	20 a	42.5 a	89 a	9 c	13 d
5 16 PLANTS	26 a	41.8 a	87 a	20 b	21 c
6 32 PLANTS	18 a	34.4 a	85 a	28 b	30 b
7 64 PLANTS	23 a	26.4 a	83 a	53 a	54 a
LSD (P=.05)	25.9	15.48	6.7	8.1	7.9
Standard Deviation	17.4	10.42	4.5	5.5	5.3
CV	75.13	27.51	5.25	32.5	30.09
Grand Mean	23.23	37.88	85.82	16.79	17.71
Bartlett's X2	20.758	24.005	14.074	12.029	14.08
P(Bartlett's X2)	0.002*	0.001*	0.029*	0.034*	0.015*
Replicate F	0.307	0.200	4.410	0.872	1.595
Replicate Prob(F)	0.8200	0.8949	0.0171	0.4738	0.2254
Treatment F	0.405	1.632	1.246	47.131	51.204
Treatment Prob(F)	0.8660	0.1957	0.3300	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

OSL.

Column 131: TY17 =  $2.721139 * [129] * (100 - [130]) / 87$