

LSU Northeast Research Station
MANAGING PALMER AMARANTH IN ROUNDUP READY FLEX COTTON

GENERAL TRIAL INFORMATION

Study Director: MONSANTO
Investigator: Donnie Miller
TRIAL LOCATION: ALEXANDRIA, LA

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. AMAPA	Amaranth, Palmer	Amaranthus palmeri
2. PANRA	Millet, browntop	Panicum ramosum
3. SORHA	Johnson grass	Sorghum halepense
4. ECHCG	Barnyardgrass, common	Echinochloa crus-galli
5. IPOHG	Morningglory, entireleaf	Ipomoea hederacea integruscul
6. IPOHE	Morningglory, ivyleaf	Ipomoea hederacea

Crop 1: GOSHI COTTON
Variety: ST4554B2RF
Planting Date: 6/May/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 40 FT
Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 14 % OM: 1.78
% Silt: 54 pH: 7.8
% Clay: 32 CEC: 14.4
Texture: SILT LOAM

APPLICATION DESCRIPTION

	A	B
Application Date:	7/May/2008	27/May/2008
Time of Day:	12:20 PM	12:00 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PREPRE	POSPOS
Applic. Placement:	BROSIO	BROFOL
Air Temp., Unit:	81 F	87 F
% Relative Humidity:	63	58
Wind Velocity, Unit:	12.9 MPH	3.2 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	78 F	93 F
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	85	70

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GOSHI N/A	GOSHI 3 LF

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA N/A	AMAPA 2-6"
Weed 2 Code, Stage:	PANRA N/A	PANRA 1-2"
Weed 3 Code, Stage:	SORHA N/A	SORHA 8-10"
Weed 4 Code, Stage:	ECHCG N/A	ECHCG 2-4"
Weed 5 Code, Stage:	IPOHG N/A	IPOHG 2-4"
Weed 6 Code, Stage:	IPOHE N/A	IPOHE 2-4"

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCCK	TRACTOR
Operating Pressure:	34 psi	26 PSI
Nozzle Type:	DG	FF
Nozzle Size:	11002	11003
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											
Crop Code											
Rating Data Type	GOSHI	GOSHI	AMAPA	PANRA	SORHA	ECHCG	IPOHG	IPOHE		GOSHI	
Rating Unit	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		INJURY	
Rating Date	%	%	%	%	%	%	%	%		%	
Trt-Eval Interval	13/May/2008	16/May/2008	26/May/2008	26/May/2008	26/May/2008	26/May/2008	26/May/2008	26/May/2008	26/May/2008	26/May/2008	
ARM Action Codes	3 DAE	6 DAE	@ B	@ B	@ B	@ B	@ B	@ B	@ B	@ B	
# Subsamples, Dec.											

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6	7	8	9
1	PROWL	1.0	lb ai/a	A	0.00 a	0.00 a	96.67 a	98.33 a	96.67 a	98.33 a	93.33 a	93.33 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
2	PROWL	1.0	lb ai/a	A	0.00 a	0.00 a	95.00 a	100.00 a	98.33 a	95.00 a	90.00 a	90.00 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
3	PROWL	1.0	lb ai/a	A	0.00 a	0.00 a	88.33 a	93.33 a	93.33 a	91.67 a	98.33 a	98.33 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
4	PROWL	1.0	lb ai/a	A	0.00 a	0.00 a	95.00 a	93.33 a	88.33 a	91.67 a	93.33 a	93.33 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
5	LASSO MICROTECH	1.5	lb ai/a	A	0.00 a	0.00 a	98.33 a	96.67 a	95.00 a	88.33 a	90.00 a	90.00 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
6	LASSO MICROTECH	1.5	lb ai/a	A	0.00 a	0.00 a	98.33 a	95.00 a	95.00 a	83.33 a	93.33 a	93.33 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
7	LASSO MICROTECH	1.5	lb ai/a	A	0.00 a	0.00 a	90.00 a	90.00 a	98.33 a	90.00 a	96.67 a	96.67 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
8	LASSO MICROTECH	1.5	lb ai/a	A	0.00 a	0.00 a	95.00 a	93.33 a	95.00 a	100.00 a	96.67 a	96.67 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
9	LASSO MICROTECH	2.5	lb ai/a	A	0.00 a	0.00 a	98.33 a	98.33 a	91.67 a	95.00 a	88.33 a	88.33 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
10	LASSO MICROTECH	2.5	lb ai/a	A	0.00 a	0.00 a	98.33 a	98.33 a	93.33 a	88.33 a	93.33 a	93.33 a	0.00 a
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
11	LASSO MICROTECH	2.5	lb ai/a	A	0.00 a	0.00 a	93.33 a	100.00 a	93.33 a	91.67 a	93.33 a	93.33 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
12	LASSO MICROTECH	2.5	lb ai/a	A	0.00 a	0.00 a	96.67 a	98.33 a	95.00 a	90.00 a	96.67 a	96.67 a	0.00 a
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
13	LASSO MICROTECH	1.5	lb ai/a	A	0.00 a	0.00 a	88.33 a	85.00 a	96.67 a	83.33 a	85.00 a	85.00 a	0.00 a
14	LASSO MICROTECH	2.0	lb ai/a	A	0.00 a	0.00 a	88.33 a	95.00 a	81.67 a	90.00 a	78.33 a	78.33 a	0.00 a
15	LASSO MICROTECH	2.5	lb ai/a	A	0.00 a	0.00 a	86.67 a	98.33 a	85.00 a	78.33 a	83.33 a	83.33 a	0.00 a
16	LASSO MICROTECH	3.0	lb ai/a	A	0.00 a	0.00 a	88.33 a	96.67 a	88.33 a	88.33 a	70.00 a	70.00 a	0.00 a
LSD (P=.05)					0.000	0.000	10.096	8.945	11.612	15.343	17.025	17.025	0.000
Standard Deviation					0.000	0.000	6.055	5.365	6.965	9.203	10.211	10.211	0.000
CV					0.0	0.0	6.48	5.61	7.5	10.2	11.35	11.35	0.0
Grand Mean					0.0	0.0	93.44	95.63	92.81	90.21	90.0	90.0	0.0
Bartlett's X2					0.0	0.0	15.344	11.392	10.109	10.541	20.249	20.249	0.0
P(Bartlett's X2)					.	.	0.286	0.578	0.813	0.722	0.163	0.163	.
Replicate F					0.000	0.000	2.727	2.660	1.836	1.925	1.543	1.543	0.000
Replicate Prob(F)					1.0000	1.0000	0.0816	0.0864	0.1769	0.1635	0.2301	0.2301	1.0000
Treatment F					0.000	0.000	1.560	1.655	1.391	1.087	1.662	1.662	0.000
Treatment Prob(F)					1.0000	1.0000	0.1461	0.1171	0.2144	0.4068	0.1151	0.1151	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	AMAPA	PANRA	SORHA	ECHCG	IPOHG	IPOHE	CUMMD	ACCOS	GOSHI	AMAPA
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%	%	%	%	%	%	%
Rating Date										24/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	28 DA-B
ARM Action Codes										
# Subsamples, Dec.										

Trt No.	Treatment Name	Rate	Unit	Appl Code	10	11	12	13	14	15	16	17	18	19
1	PROWL	1.0	lb ai/a	A	93.33 ab	86.67 bc	91.67 abc	91.67 ab	86.67 abc	86.67 abc	80.00 d	78.33 de	1.67 de	91.67 ab
	REFLEX	0.375	lb ai/a	A										
2	PROWL	1.0	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	10.00 ab	100.00 a
	REFLEX	0.375	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
3	PROWL	1.0	lb ai/a	A	66.67 d	78.33 cde	88.33 abc	86.67 a-d	93.33 ab	93.33 ab	100.00 a	95.00 abc	1.67 de	58.33 e
	COTORAN	1.0	lb ai/a	A										
4	PROWL	1.0	lb ai/a	A	100.00 a	100.00 a	98.33 ab	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	11.67 a	100.00 a
	COTORAN	1.0	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
5	LASSO MICROTECH	1.5	lb ai/a	A	90.00 ab	81.67 cde	95.00 ab	78.33 bcd	85.00 abc	85.00 abc	80.00 d	85.00 bcd	0.00 e	90.00 abc
	REFLEX	0.375	lb ai/a	A										
6	LASSO MICROTECH	1.5	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	5.00 cd	100.00 a
	REFLEX	0.375	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
7	LASSO MICROTECH	1.5	lb ai/a	A	81.67 bc	73.33 e	95.00 ab	88.33 abc	93.33 ab	93.33 ab	100.00 a	93.33 abc	0.00 e	73.33 cde
	COTORAN	1.0	lb ai/a	A										
8	LASSO MICROTECH	1.5	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	6.67 bc	100.00 a
	COTORAN	1.0	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
9	LASSO MICROTECH	2.5	lb ai/a	A	95.00 ab	95.00 ab	95.00 ab	85.00 a-d	76.67 abc	76.67 abc	86.67 bcd	96.67 ab	0.00 e	86.67 a-d
	REFLEX	0.375	lb ai/a	A										
10	LASSO MICROTECH	2.5	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	98.33 a	100.00 a	11.67 a	100.00 a
	REFLEX	0.375	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
11	LASSO MICROTECH	2.5	lb ai/a	A	90.00 ab	93.33 ab	75.00 de	85.00 a-d	83.33 abc	83.33 abc	100.00 a	90.00 a-d	0.00 e	75.00 b-e
	COTORAN	1.0	lb ai/a	A										
12	LASSO MICROTECH	2.5	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	98.33 a	100.00 a	10.00 ab	98.33 a
	COTORAN	1.0	lb ai/a	A										
	ROUNDUP POWERMAX	0.75	lb ae/a	B										
	PARRLAY	1.3	pt/a	B										
13	LASSO MICROTECH	1.5	lb ai/a	A	75.00 cd	75.00 de	86.67 bcd	81.67 bcd	83.33 abc	83.33 abc	81.67 d	83.33 cd	1.67 de	68.33 e
14	LASSO MICROTECH	2.0	lb ai/a	A	70.00 cd	80.00 cde	73.33 e	70.00 d	65.00 cd	65.00 cd	85.00 cd	66.67 e	0.00 e	65.00 e
15	LASSO MICROTECH	2.5	lb ai/a	A	73.33 cd	86.67 bc	80.00 cde	70.00 d	70.00 bcd	70.00 bcd	95.00 ab	86.67 bcd	0.00 e	63.33 e
16	LASSO MICROTECH	3.0	lb ai/a	A	71.67 cd	83.33 cd	75.00 de	73.33 cd	46.67 d	46.67 d	91.67 abc	83.33 cd	0.00 e	70.00 de
LSD (P=.05)					14.372	9.520	12.416	17.586	26.147	26.147	8.699	12.117	4.598	17.506
Standard Deviation					8.620	5.710	7.447	10.548	15.682	15.682	5.217	7.267	2.758	10.500
CV					9.8	6.37	8.2	11.97	18.14	18.14	5.58	7.97	73.54	12.54
Grand Mean					87.92	89.58	90.83	88.13	86.46	86.46	93.54	91.15	3.75	83.75
Bartlett's X2					9.169	6.656	7.872	10.34	10.264	10.264	5.97	9.424	2.672	12.381
P(Bartlett's X2)					0.422	0.673	0.547	0.324	0.33	0.33	0.651	0.399	0.914	0.26
Replicate F					6.421	0.591	2.884	0.730	0.078	0.078	1.224	10.247	1.438	9.113
Replicate Prob(F)					0.0048	0.5601	0.0715	0.4901	0.9248	0.9248	0.3082	0.0004	0.2532	0.0008
Treatment F					6.512	9.252	5.330	3.404	2.950	2.950	7.138	5.548	8.548	6.657
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0021	0.0057	0.0057	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	PANRA	SORHA	ECHCG	IPOHG	IPOHE	CUMMD	ACCOS	GOSHI	GOSHI
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	YIELD
Rating Unit	%	%	%	%	%	%	%	%	LB
Rating Date	24/Jun/2008	24/Jun/2008	24/Jun/2008	24/Jun/2008	24/Jun/2008	24/Jun/2008	24/Jun/2008	24/Jun/2008	19/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	
ARM Action Codes									
# Subsamples, Dec.									

Trt	Treatment	Rate	Rate Unit	Appl Code	20	21	22	23	24	25	26	27	28
1	PROWL	1.0	lb ai/a	A	88.33 abc	83.33 ab	90.00 ab	86.67 a	86.67 a	75.00 cde	66.67 de	0.00 a	1.75 f
	REFLEX	0.375	lb ai/a	A									
2	PROWL	1.0	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	98.33 a	0.00 a	10.03 ab
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
3	PROWL	1.0	lb ai/a	A	80.00 cd	86.67 a	90.00 ab	98.33 a	95.00 a	95.00 ab	85.00 abc	0.00 a	3.12 ef
	COTORAN	1.0	lb ai/a	A									
4	PROWL	1.0	lb ai/a	A	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	98.33 a	0.00 a	10.65 a
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
5	LASSO MICROTECH	1.5	lb ai/a	A	80.00 cd	91.67 a	71.67 bcd	85.00 a	85.00 a	76.67 b-e	83.33 a-d	0.00 a	4.45 def
	REFLEX	0.375	lb ai/a	A									
6	LASSO MICROTECH	1.5	lb ai/a	A	98.33 a	100.00 a	98.33 a	98.33 a	98.33 a	98.33 a	93.33 abc	0.00 a	9.16 ab
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
7	LASSO MICROTECH	1.5	lb ai/a	A	65.00 e	90.00 a	83.33 abc	90.00 a	90.00 a	95.00 ab	90.00 abc	0.00 a	4.03 def
	COTORAN	1.0	lb ai/a	A									
8	LASSO MICROTECH	1.5	lb ai/a	A	93.33 ab	100.00 a	100.00 a	100.00 a	100.00 a	95.00 ab	98.33 a	0.00 a	8.73 abc
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
9	LASSO MICROTECH	2.5	lb ai/a	A	91.67 abc	90.00 a	78.33 a-d	81.67 a	81.67 a	66.67 e	95.00 abc	0.00 a	4.91 c-f
	REFLEX	0.375	lb ai/a	A									
10	LASSO MICROTECH	2.5	lb ai/a	A	100.00 a	100.00 a	100.00 a	96.67 a	96.67 a	91.67 abc	95.00 abc	0.00 a	7.76 a-d
	REFLEX	0.375	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
11	LASSO MICROTECH	2.5	lb ai/a	A	93.33 ab	80.00 ab	75.00 bcd	81.67 a	81.67 a	98.33 a	81.67 a-d	0.00 a	4.98 c-f
	COTORAN	1.0	lb ai/a	A									
12	LASSO MICROTECH	2.5	lb ai/a	A	98.33 a	100.00 a	100.00 a	100.00 a	100.00 a	100.00 a	96.67 ab	0.00 a	9.73 ab
	COTORAN	1.0	lb ai/a	A									
	ROUNDUP POWERMAX	0.75	lb ae/a	B									
	PARRLAY	1.3	pt/a	B									
13	LASSO MICROTECH	1.5	lb ai/a	A	75.00 de	78.33 ab	70.00 bcd	83.33 a	83.33 a	73.33 cde	56.67 e	0.00 a	3.33 ef
14	LASSO MICROTECH	2.0	lb ai/a	A	85.00 bcd	50.00 c	63.33 cd	78.33 a	78.33 a	71.67 de	66.67 de	0.00 a	5.07 c-f
15	LASSO MICROTECH	2.5	lb ai/a	A	88.33 abc	60.00 bc	58.33 d	75.00 a	75.00 a	76.67 b-e	78.33 cd	0.00 a	6.39 b-e
16	LASSO MICROTECH	3.0	lb ai/a	A	85.00 bcd	61.67 bc	68.33 bcd	68.33 a	68.33 a	86.67 a-d	80.00 bcd	0.00 a	3.55 ef
LSD (P=.05)					13.015	24.614	22.773	21.516	21.810	19.222	17.882	0.000	4.057
Standard Deviation					7.806	14.763	13.659	12.905	13.081	11.529	10.725	0.000	2.433
CV					8.79	17.22	16.23	14.51	14.74	13.18	12.59	0.0	39.87
Grand Mean					88.85	85.73	84.17	88.96	88.75	87.5	85.21	0.0	6.1
Bartlett's X2					21.17	10.811	13.733	17.685	14.332	19.724	24.781	0.0	10.354
P(Bartlett's X2)					0.048*	0.289	0.186	0.089	0.215	0.073	0.053	.	0.797
Replicate F					8.111	2.626	0.723	0.163	0.146	2.304	10.137	0.000	0.016
Replicate Prob(F)					0.0015	0.0889	0.4935	0.8506	0.8647	0.1173	0.0004	1.0000	0.9846
Treatment F					5.082	3.584	3.591	1.941	1.828	3.260	4.384	0.000	4.093
Treatment Prob(F)					0.0001	0.0014	0.0014	0.0596	0.0779	0.0029	0.0003	1.0000	0.0005

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 GOSHI
 Rating Data Type YIELD
 Rating Unit LB/A
 Rating Date 19/Sep/2008
 Trt-Eval Interval
 ARM Action Codes TY1
 # Subsamples, Dec. 1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	29
1	PROWL	1.0	lb ai/a	A	286.3 f
	REFLEX	0.375	lb ai/a	A	
2	PROWL	1.0	lb ai/a	A	1637.0 ab
	REFLEX	0.375	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
3	PROWL	1.0	lb ai/a	A	508.9 ef
	COTORAN	1.0	lb ai/a	A	
4	PROWL	1.0	lb ai/a	A	1739.4 a
	COTORAN	1.0	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
5	LASSO MICROTECH	1.5	lb ai/a	A	727.1 def
	REFLEX	0.375	lb ai/a	A	
6	LASSO MICROTECH	1.5	lb ai/a	A	1496.1 ab
	REFLEX	0.375	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
7	LASSO MICROTECH	1.5	lb ai/a	A	658.5 def
	COTORAN	1.0	lb ai/a	A	
8	LASSO MICROTECH	1.5	lb ai/a	A	1424.8 abc
	COTORAN	1.0	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
9	LASSO MICROTECH	2.5	lb ai/a	A	801.1 c-f
	REFLEX	0.375	lb ai/a	A	
10	LASSO MICROTECH	2.5	lb ai/a	A	1267.0 a-d
	REFLEX	0.375	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
11	LASSO MICROTECH	2.5	lb ai/a	A	813.6 c-f
	COTORAN	1.0	lb ai/a	A	
12	LASSO MICROTECH	2.5	lb ai/a	A	1588.6 ab
	COTORAN	1.0	lb ai/a	A	
	ROUNDUP POWERMAX	0.75	lb ae/a	B	
	PARRLAY	1.3	pt/a	B	
13	LASSO MICROTECH	1.5	lb ai/a	A	543.1 ef
14	LASSO MICROTECH	2.0	lb ai/a	A	828.3 c-f
15	LASSO MICROTECH	2.5	lb ai/a	A	1042.7 b-e
16	LASSO MICROTECH	3.0	lb ai/a	A	579.6 ef

LSD (P=.05)	662.33
Standard Deviation	397.25
CV	39.87
Grand Mean	996.38
Bartlett's X2	10.354
P(Bartlett's X2)	0.797

Replicate F	0.016
Replicate Prob(F)	0.9846
Treatment F	4.093
Treatment Prob(F)	0.0005

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 29: TY1 = 163.2684*[28]