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RR cotton tolerance to Warrant (WEED FREE).

Trial ID: C16-03 Study Dir.: Stanley Culpepper
 Location: Ponder farm Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper **Title:** Ext. Agronomist
Affiliation: University of Georgia **Postal Code:** 31793
Investigator: Stanley Culpepper **Title:** Ext. Agronomist
Affiliation: University of Georgia **Postal Code:** 31793

Trial Status: completed **Initiation Date:** May-09-03 **Country:** USA
City: Moultrie **State/Prov.:** GA **Postal Code:** .
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND PEST DESCRIPTION

Weed 1..

Crop 1: GOSHI cotton **Variety:** FM 989 B/RR **Planting Date:** May-09-03
Planting Method: conventional **Rate:** 3.5 seed/ft **Depth:** 0.5 in
Row Spacing: 38 inch **Seed Bed:** bedded
Soil Temperature: 83 F **Soil Moisture:** moist **Emergence Date:** May-14-03

Plot Width, Unit: 12 FT **Plot Length, Unit:** 23 FT **Reps:** 4
Site Type: Sunbelt Expo
Tillage Type: conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: loamy sand **% OM:** 1.2 **% Sand:** 88 **% Silt:** 12 **% Clay:** 0
pH: 6 **CEC:** 0. **Soil Name:** . **Fertility Level:** .

Overall Moisture Conditions: wet

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-19-03	May-30-03	Jun-28-03			
Time of Day:	11 am	9 am	10 am			
Application Method:	broadcast	broadcast	broadcast			
Application Timing:	POST 1	POST2	Lay-by			
Applic. Placement:	overtop	overtop	directed			
Air Temp., Unit:	81 F	77 F	83 F			
% Relative Humidity:	69	46	63			
Wind Velocity, Unit:	2 mph	2 mph	2 mph			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	79 F	79 F	85 F			
Soil Moisture:	moist	wet	wet			
% Cloud Cover:	100	10	40			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 GOSHI Stage:	POST1	POST2	Lay-by			
Stage Scale:	V0-V1	V4	V10			
Height, Unit:	2.5 in	3.5 inch	19 inch			

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 . Stage:
Stage Scale:
Density, Unit:

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APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	backpack	backpack	backpack			
Operating Pressure:	22	22	18			
Nozzle Type:	flat fan	flat fan	flat fan			
Nozzle Size:	11002	11002	11002			
Nozzle Spacing, Unit:	18 inch	18 inch	12 inch			
Nozzles/Row:	2	2	3			
Boom Length, Unit:	4.5 feet	4.5 feet	2 feet			
Boom Height, Unit:	15 inch	15 inch	12 inch			
Ground Speed, Unit:	3 mph	3 mph	3 mph			
Carrier:	water	water	water			
Spray Volume, Unit:	14.8 GPA	14.8 GPA	14.8 GPA			
Propellant:	CO2	CO2	CO2			
Tank Mix (Y/N):	Y	Y	Y			

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RR cotton tolerance to Warrant (WEED FREE).

Trial ID: C16-03

Study Dir.: Stanley Culpepper

Location: Ponder farm

Investigator: Stanley Culpepper

Weed Code			GOSHI injury percent	GOSHI injury percent	GOSHI injury percent	GOSHI injury percent	GOSHI injury percent	GOSHI injury percent	Seed GOSHI yield lb/plot	
Crop Code			May-24-03	May-30-03	Jun-05-03	Jun-12-03	Jul-03-03	Jul-12-03	Sep-24-03	
Rating Data Type			5 DA-A	5 DA-A	17 DA-A	17 DA-A	17 DA-A	17 DA-A	17 DA-A	
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7
1	Warrant (GF-887)	24	fl oz/a	0.0	0.0	0.0	0.0	0.0	0.0	4.8
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.0	0.0	0.0	0.0	0.0	4.6
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.0	0.0	0.0	0.0	0.0	0.0	4.6
	LSD (P=.05)			0.00	0.00	0.00	0.00	0.00	0.00	0.56
	Standard Deviation			0.00	0.00	0.00	0.00	0.00	0.00	0.35
	CV			0.0	0.0	0.0	0.0	0.0	0.0	7.29
	Bartlett's X2			0.0	0.0	0.0	0.0	0.0	0.0	0.054
	P(Bartlett's X2)			.	.	.	.	.	.	0.997

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Seed	Est.Lint	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5		
Crop Code	GOSHI	GOSHI	Node 5	Node 5	Node 5	Node 5	Node 5		
Rating Data Type	yield	yield	1st post	1st post	1st post	1st post	1st post		
Rating Unit	lb/A	lb/A	boll	boll	boll	boll	boll		
Rating Date	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Trt-Eval Interval	17 DA-A	17 DA-A							
PRM Data Type	TY1	T2							
# Subsamples, Dec.	1	1							
Trt Treatment	Rate	Rate							
No. Name	Rate	Unit	8	9	11	12	13	14	15
1 Warrant (GF-887)	24 fl oz/a		3046.0	1218.4					1.0
Warrant (GF-887)	24 fl oz/a								
Warrant (GF-887)	24 fl oz/a								
2 R'up WeatherMax	21.33 fl oz/a		3150.2	1260.1	0.0	0.0	0.0	0.0	
R'up WeatherMax	21.33 fl oz/a								
R'up WeatherMax	21.33 fl oz/a								
3 Glyphomax Plus (NAF-	32 fl oz/a		2929.3	1171.7	0.5	0.0	0.0	1.0	0.3
Glyphomax Plus (NAF-	32 fl oz/a								
Glyphomax Plus (NAF-	32 fl oz/a								
4 Untreated			2910.3	1164.1	0.0	0.0	0.0	0.0	1.0
LSD (P=.05)			350.70	140.28	.	0.00	.	.	6.35
Standard Deviation			219.26	87.70	.	0.00	.	.	0.71
CV			7.29	7.29	.	0.0	.	.	94.28
Bartlett's X2			0.054	0.054	.	0.0	.	.	0.0
P(Bartlett's X2)			0.997	0.997	.	.	.	.	.

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 8: TY1 = 631.3043*[C7]

Column 9: T2 = [C8]*0.40

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Weed Code		#bollset	#bollabo	Plant 1	Plant 3	Plant 4	#bollset	#bollabo
Crop Code		Node5	Node5	Node 5	Node 5	Node 5	Node5	Node5
Rating Data Type		1st pos	1st pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos
Rating Unit		boll	boll	boll	boll	boll	boll	boll
Rating Date		Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								
Trt Treatment	Rate							
No. Name	Unit	16	17	19	21	22	24	25
1 Warrant (GF-887)	24 fl oz/a	0.5	0.0			.	0.0	0.0
Warrant (GF-887)	24 fl oz/a							
Warrant (GF-887)	24 fl oz/a							
2 R'up WeatherMax	21.33 fl oz/a	0.0	2.3	0.0	0.0	0.0	0.0	1.3
R'up WeatherMax	21.33 fl oz/a							
R'up WeatherMax	21.33 fl oz/a							
3 Glyphomax Plus (NAF-	32 fl oz/a	0.5	1.8	0.0	0.0	.	0.0	0.8
Glyphomax Plus (NAF-	32 fl oz/a							
Glyphomax Plus (NAF-	32 fl oz/a							
4 Untreated		0.3	1.0		0.0	.	0.0	0.3
LSD (P=.05)		0.85	1.92	.	.	.	0.00	1.20
Standard Deviation		0.53	1.20	.	.	.	0.00	0.75
CV		170.75	96.15	.	.	.	0.0	133.33
Bartlett's X2		0.074	1.632	.	.	.	0.0	1.303
P(Bartlett's X2)		0.963	0.442	.	.	.	.	0.521

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 6	Plant 2 Node 6	Plant 3 Node 6	Plant 4 Node 6	Plant 5 Node 6	#bollset Node 6	#bollabo Node 6			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st pos boll	1st pos boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	27	28	29	30	31	32	33
1	Warrant (GF-887)	24	fl oz/a	0.8	0.5	0.0	0.5	0.5	1.8	2.0
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.5	0.8	0.3	0.3	0.7	1.8	2.0
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.5	0.5	0.0	0.3	0.5	1.5	2.8
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.5	0.8	0.5	0.3	0.0	1.8	2.3
	LSD (P=.05)			0.49	0.49	1.38	1.13	1.00	1.01	2.20
	Standard Deviation			0.28	0.30	0.61	0.57	0.58	0.63	1.37
	CV			49.41	47.03	293.94	153.16	138.56	37.28	61.08
	Bartlett's X2			0.0	0.077	0.052	0.065	0.0	0.398	0.177
	P(Bartlett's X2)			0.001*	0.994	0.82	0.996	1.00	0.941	0.915

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 6	Plant 2 Node 6	Plant 3 Node 6	Plant 4 Node 6	Plant 5 Node 6	#bollset Node 6	#bollabo Node 6			
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos			
Rating Data Type	boll	boll	boll	boll	boll	boll	boll			
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	35	36	37	38	39	40	41
1	Warrant (GF-887)	24	fl oz/a	0.0	0.0	0.0		0.0	0.3	1.5
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.0	0.0	0.0	0.0	0.0	0.0	1.8
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.5	0.5	0.0	0.3	0.8	1.8
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.5	0.3	0.0		0.0	0.5	1.3
	LSD (P=.05)			6.35	7.10	.	.	.	0.96	1.77
	Standard Deviation			0.61	0.79	.	.	.	0.60	1.11
	CV			489.9	379.47	.	.	.	160.25	70.96
	Bartlett's X2			0.0	0.052	.	.	.	1.376	4.95
	P(Bartlett's X2)			.	0.82	.	.	.	0.503	0.176

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 7	Plant 2 Node 7	Plant 3 Node 7	Plant 4 Node 7	Plant 5 Node 7	#bollset Node 7	#bollabo Node 7			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	43	44	45	46	47	48	49
1	Warrant (GF-887)	24	fl oz/a	0.8	1.0	0.3	1.0	0.8	3.8	1.3
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.3	0.8	0.3	0.3	0.8	2.3	2.8
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.8	0.5	1.0	0.8	1.0	4.0	1.0
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			1.0	0.8	0.8	0.5	1.0	3.8	1.0
LSD (P=.05)				0.67	0.75	0.58	0.71	0.46	1.37	1.13
Standard Deviation				0.42	0.47	0.35	0.44	0.29	0.85	0.71
CV				60.61	62.85	60.61	70.55	32.99	24.84	47.14
Bartlett's X2				0.0	0.079	0.06	0.079	0.0	1.269	1.098
P(Bartlett's X2)				0.001*	0.961	0.971	0.961	0.001*	0.737	0.777

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 7	Plant 2 Node 7	Plant 3 Node 7	Plant 4 Node 7	Plant 5 Node 7	#bollset Node 7	#bollabo Node 7		
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Data Type	boll	boll	boll	boll	boll	boll	boll		
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	51	52	53	54	55	56	57
1 Warrant (GF-887)	24	fl oz/a	0.0	0.3	0.0	0.0	0.0	0.3	3.8
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.3	0.3	0.0	0.5	0.5	1.0	2.0
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.7	0.5	0.7	0.0	0.5	1.8	2.0
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.3	0.3	1.0	0.5	0.5	1.8	2.0
LSD (P=.05)			0.72	1.28	6.35	1.03	0.59	1.93	1.93
Standard Deviation			0.44	0.65	0.71	0.46	0.35	1.20	1.20
CV			144.31	174.27	169.71	182.57	94.28	101.45	49.43
Bartlett's X2			0.06	0.065	0.0	0.0	0.069	3.608	1.314
P(Bartlett's X2)			0.971	0.996	.	1.00	0.966	0.307	0.726

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 8	Plant 2 Node 8	Plant 3 Node 8	Plant 4 Node 8	Plant 5 Node 8	#bollset Node 8	#bollabo Node 8		
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st pos boll	1st pos boll		
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Unit									
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	59	60	61	62	63	64	65
1 Warrant (GF-887)	24	fl oz/a	0.8	1.0	0.5	1.0	0.8	4.0	1.0
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.3	0.5	0.8	0.8	0.5	2.8	2.3
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.5	0.5	0.5	0.3	0.8	2.3	2.8
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.8	0.6	0.8	0.3	0.8	3.0	1.8
LSD (P=.05)			0.85	0.86	0.96	0.67	0.77	1.96	2.14
Standard Deviation			0.53	0.53	0.60	0.42	0.48	1.22	1.34
CV			94.86	82.49	96.15	74.07	69.63	40.82	68.95
Bartlett's X2			0.088	0.0	0.112	0.0	0.088	3.563	2.988
P(Bartlett's X2)			0.993	1.00	0.99	0.001*	0.993	0.313	0.393

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 8	Plant 2 Node 8	Plant 3 Node 8	Plant 4 Node 8	Plant 5 Node 8	#bollset Node 8	#bollabo Node 8		
Crop Code									
Rating Data Type	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Unit	boll	boll	boll	boll	boll	boll	boll		
Rating Date	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	67	68	69	70	71	72	73
1 Warrant (GF-887)	24	fl oz/a	0.0	-0.1	0.3	0.0	0.0	0.3	3.8
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.8	0.3	0.0	0.3	0.8	1.8	2.3
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.3	0.0	0.3	0.0	0.8	1.8	2.0
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.3	0.3	1.0	0.3	0.5	2.3	2.5
LSD (P=.05)			0.89	0.52	0.90	0.91	0.58	1.81	1.83
Standard Deviation			0.53	0.31	0.49	0.50	0.35	1.13	1.14
CV			163.95	250.71	118.66	400.0	70.71	75.36	43.53
Bartlett's X2			0.06	0.048	0.0	0.0	0.069	2.446	0.36
P(Bartlett's X2)			0.971	0.827	1.00	0.001*	0.966	0.485	0.948

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 9	Plant 2 Node 9	Plant 3 Node 9	Plant 4 Node 9	Plant 5 Node 9	#bollset Node 9	#bollabo Node 9			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	75	76	77	78	79	80	81
1	Warrant (GF-887)	24	fl oz/a	1.0	0.8	0.5	0.5	1.0	3.8	1.3
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	1.0	1.0	0.5	0.5	0.5	3.5	1.5
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.5	0.8	1.0	0.5	0.5	3.3	1.8
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.5	0.8	0.8	0.3	0.5	2.8	2.3
LSD (P=.05)				0.65	0.67	0.77	0.85	0.80	1.81	1.81
Standard Deviation				0.41	0.42	0.48	0.53	0.50	1.13	1.13
CV				54.43	51.28	69.63	121.96	80.0	34.22	67.17
Bartlett's X2				0.0	0.0	0.074	0.08	0.0	1.289	1.289
P(Bartlett's X2)				0.001*	0.001*	0.963	0.994	0.001*	0.732	0.732

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	Plant 1 Node 9	Plant 2 Node 9	Plant 3 Node 9	Plant 4 Node 9	Plant 5 Node 9	#bollset Node 9	#bollabo Node 9		
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Data Type	boll	boll	boll	boll	boll	boll	boll		
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	83	84	85	86	87	88	89
1 Warrant (GF-887)	24	fl oz/a	0.0	0.3	0.5	0.0	0.0	0.5	3.5
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.5	0.0	1.0	0.3	0.4	1.8	2.8
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.4	0.5	0.0	0.0	0.3	0.8	2.8
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.4	0.0	0.3	0.7	0.5	1.5	2.5
LSD (P=.05)			0.93	0.67	1.04	1.16	0.79	1.39	2.28
Standard Deviation			0.56	0.37	0.53	0.59	0.49	0.87	1.42
CV			166.96	197.77	115.71	257.77	174.93	76.98	49.53
Bartlett's X2			0.0	0.183	0.052	0.048	0.069	1.464	1.147
P(Bartlett's X2)			1.00	0.669	0.82	0.827	0.966	0.691	0.766

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 10	Plant 2 Node 10	Plant 3 Node 10	Plant 4 Node 10	Plant 5 Node 10	#bollset Node 10	#bollabo Node 10		
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st pos boll	1st pos boll		
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Unit									
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	91	92	93	94	95	96	97
1 Warrant (GF-887)	24	fl oz/a	0.8	0.8	1.0	0.8	0.8	4.0	1.0
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.3	0.5	0.5	0.5	0.5	2.3	2.8
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	1.0	0.5	0.5	0.8	0.8	3.5	1.5
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			1.0	0.8	0.8	0.8	0.8	4.0	1.0
LSD (P=.05)			0.53	0.80	0.85	0.85	0.93	2.03	2.03
Standard Deviation			0.33	0.50	0.53	0.53	0.58	1.27	1.27
CV			44.44	80.0	77.61	77.61	84.85	37.0	81.41
Bartlett's X2			0.0	0.112	0.074	0.088	0.088	3.478	3.478
P(Bartlett's X2)			0.001*	0.99	0.963	0.993	0.993	0.324	0.324

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 10	Plant 2 Node 10	Plant 3 Node 10	Plant 4 Node 10	Plant 5 Node 10	#bollset Node 10	#bollabo Node 10			
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos			
Rating Data Type	boll	boll	boll	boll	boll	boll	boll			
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	99	100	101	102	103	104	105
1	Warrant (GF-887)	24	fl oz/a	0.3	0.0	0.4	0.0	0.3	0.8	4.0
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.5	0.7	0.7	0.8	0.4	2.5	1.8
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.3	0.8	-0.1	0.0	0.8	2.8
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.0	0.7	0.7	0.0	0.5	1.5	2.8
	LSD (P=.05)			0.73	0.65	0.99	0.41	0.87	1.53	1.31
	Standard Deviation			0.42	0.37	0.55	0.25	0.52	0.96	0.82
	CV			224.43	90.78	82.98	150.0	188.83	69.63	29.18
	Bartlett's X2			0.059	0.0	0.0	0.0	0.069	4.371	1.053
	P(Bartlett's X2)			0.807	0.001*	1.00	.	0.966	0.224	0.788

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 11	Plant 2 Node 11	Plant 3 Node 11	Plant 4 Node 11	Plant 5 Node 11	#bollset Node 11	#bollabo Node 11
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Rating Unit							
Rating Date							
Trt-Eval Interval							
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment							
No. Name	107	108	109	110	111	112	113
Rate							
Unit							
1 Warrant (GF-887)	0.8	0.5	1.0	0.8	0.8	3.8	1.3
Warrant (GF-887)							
Warrant (GF-887)							
2 R'up WeatherMax	1.0	0.8	1.0	0.5	1.0	4.3	0.8
R'up WeatherMax							
R'up WeatherMax							
3 Glyphomax Plus (NAF-	1.0	1.0	0.5	1.0	1.0	4.5	0.5
Glyphomax Plus (NAF-							
Glyphomax Plus (NAF-							
4 Untreated	1.0	0.8	0.8	1.0	0.8	4.3	0.8
LSD (P=.05)	0.40	0.65	0.67	0.55	0.60	1.14	1.14
Standard Deviation	0.25	0.41	0.42	0.34	0.37	0.71	0.71
CV	26.67	54.43	51.28	42.29	42.59	17.0	87.63
Bartlett's X2	0.0	0.079	0.059	0.059	0.0	3.793	3.793
P(Bartlett's X2)	.	0.961	0.807	0.807	0.001*	0.285	0.285

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 11	Plant 2 Node 11	Plant 3 Node 11	Plant 4 Node 11	Plant 5 Node 11	#bollset Node 11	#bollabo Node 11		
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Data Type	boll	boll	boll	boll	boll	boll	boll		
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	115	116	117	118	119	120	121
1 Warrant (GF-887)	24	fl oz/a	0.3	0.0	0.3	0.0	0.0	0.5	3.8
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.0	0.0	0.0	0.5	0.0	0.5	2.0
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.0	0.5	0.0	0.3	0.8	3.0
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.0	0.3	0.8	0.3	0.0	1.3	3.0
LSD (P=.05)			0.61	6.35	1.17	0.59	0.53	0.65	1.69
Standard Deviation			0.34	0.71	0.64	0.36	0.31	0.41	1.06
CV			536.66	848.53	162.26	186.81	489.9	54.43	36.0
Bartlett's X2			0.0	0.0	0.069	0.0	0.0	0.112	0.832
P(Bartlett's X2)			.	.	0.966	1.00	.	0.99	0.842

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 12	Plant 2 Node 12	Plant 3 Node 12	Plant 4 Node 12	Plant 5 Node 12	#bollset Node 12	#bollabo Node 12		
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll		
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Unit									
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
No. Name	Rate	Unit	123	124	125	126	127	128	129
1 Warrant (GF-887)	24	fl oz/a	0.8	0.5	0.8	1.0	1.0	4.0	1.0
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	1.0	1.0	0.8	0.8	1.0	4.5	0.3
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a	0.8	0.5	0.8	0.8	0.5	3.3	1.8
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			1.0	1.0	0.8	0.8	0.5	4.3	0.8
LSD (P=.05)			0.46	0.53	0.84	0.67	0.65	1.07	1.01
Standard Deviation			0.29	0.33	0.53	0.42	0.41	0.67	0.63
CV			32.99	44.44	70.27	51.28	54.43	16.67	67.11
Bartlett's X2			0.0	0.0	0.0	0.0	0.0	3.471	4.064
P(Bartlett's X2)			0.001*	0.001*	0.001*	0.001*	0.001*	0.325	0.255

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 12	Plant 2 Node 12	Plant 3 Node 12	Plant 4 Node 12	Plant 5 Node 12	#bollset Node 12	#bollabo Node 12		
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Data Type	boll	boll	boll	boll	boll	boll	boll		
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment									
No. Name	Rate	Unit	131	132	133	134	135	136	137
1 Warrant (GF-887)	24	fl oz/a	0.0	0.0	0.5	0.0	0.0	0.3	1.8
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.3	0.0	0.0		0.5	0.5	1.3
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a		0.0	0.0	0.0	0.0	0.0	1.8
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.0	0.7	0.7	0.3	0.0	1.3	2.5
LSD (P=.05)	5.99				7.10	1.43	5.50	0.92	2.50
Standard Deviation	0.67				0.79	0.47	0.61	0.58	1.57
CV	600.0				271.05	424.26	489.9	115.47	86.38
Bartlett's X2	0.0				0.052	0.0	0.0	1.376	0.523
P(Bartlett's X2)					0.82			0.503	0.914

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 13	Plant 2 Node 13	Plant 3 Node 13	Plant 4 Node 13	Plant 5 Node 13	#bollset Node 13	#bollabo Node 13			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	139	140	141	142	143	144	145
1	Warrant (GF-887)	24	fl oz/a	0.8	0.5	0.8	0.8	0.8	3.3	1.5
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	1.0	0.5	0.8	0.5	0.5	3.3	1.8
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.3	0.5	0.8	0.8	0.5	2.8	2.3
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.3	0.8	0.8	0.8	1.0	3.5	1.5
	LSD (P=.05)			0.67	0.83	0.92	0.93	0.85	1.51	1.60
	Standard Deviation			0.42	0.51	0.58	0.58	0.53	0.95	1.00
	CV			74.07	91.24	76.98	84.85	77.61	29.69	57.14
	Bartlett's X2			0.0	0.077	0.0	0.088	0.074	5.156	6.239
	P(Bartlett's X2)			0.001*	0.994	0.001*	0.993	0.963	0.161	0.101

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5	#bollset	#bollabo		
Crop Code	Node 13	Node 13	Node 13	Node 13	Node 13	Node 13	Node 13		
Rating Data Type	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos		
Rating Unit	boll	boll	boll	boll	boll	boll	boll		
Rating Date	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03		
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
No. Name	Rate	Unit	147	148	149	150	151	152	153
1 Warrant (GF-887)	24	fl oz/a	0.0		0.0	0.0	0.0	0.0	1.0
Warrant (GF-887)	24	fl oz/a							
Warrant (GF-887)	24	fl oz/a							
2 R'up WeatherMax	21.33	fl oz/a	0.0		0.0	1.0		0.3	0.5
R'up WeatherMax	21.33	fl oz/a							
R'up WeatherMax	21.33	fl oz/a							
3 Glyphomax Plus (NAF-	32	fl oz/a		1.0	0.0		1.0	0.5	0.8
Glyphomax Plus (NAF-	32	fl oz/a							
Glyphomax Plus (NAF-	32	fl oz/a							
4 Untreated			0.0	0.0	0.5	0.0	0.0	0.3	2.3
LSD (P=.05)								0.75	2.01
Standard Deviation								0.47	1.26
CV								188.56	111.85
Bartlett's X2								0.079	3.679
P(Bartlett's X2)								0.961	0.298

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 1 Node 14	Plant 2 Node 14	Plant 3 Node 14	Plant 4 Node 14	Plant 5 Node 14	#bollset Node 14	#bollabo Node 14			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll	1st post boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	155	156	157	158	159	160	161
1	Warrant (GF-887)	24	fl oz/a	0.5	0.5	0.3	0.3	0.0	1.0	3.3
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.8	0.0	0.6	0.5	0.5	2.0	2.0
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.3	0.3	0.5	0.3	0.3	1.5	3.3
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.3	0.5	0.8	0.3	0.5	2.3	2.8
LSD (P=.05)				0.85	0.63	0.98	0.67	0.72	1.61	1.07
Standard Deviation				0.53	0.36	0.60	0.42	0.44	1.00	0.67
CV				121.96	108.97	113.86	133.33	144.31	59.46	23.89
Bartlett's X2				0.088	0.066	0.102	0.088	0.069	1.877	0.291
P(Bartlett's X2)				0.993	0.968	0.992	0.993	0.966	0.598	0.962

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 2 Node 14	Plant 3 Node 14	Plant 4 Node 14	Plant 5 Node 14	#bollset Node 14	#bollabo Node 14	Plant 1 Node 15
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	2nd pos	1st post
Rating Data Type	boll	boll	boll	boll	boll	boll	boll
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Rating Date							
Trt-Eval Interval							
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment							
No. Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
164	165	166	167	168	169	171	
1 Warrant (GF-887)	24 fl oz/a	0.0			0.0	0.3	0.3
Warrant (GF-887)	24 fl oz/a						
Warrant (GF-887)	24 fl oz/a						
2 R'up WeatherMax	21.33 fl oz/a				0.0	0.0	0.5
R'up WeatherMax	21.33 fl oz/a						
R'up WeatherMax	21.33 fl oz/a						
3 Glyphomax Plus (NAF-	32 fl oz/a	0.0	1.0	1.0	0.5	0.3	0.0
Glyphomax Plus (NAF-	32 fl oz/a						
Glyphomax Plus (NAF-	32 fl oz/a						
4 Untreated		0.0	0.0	0.7	0.5	1.0	0.0
LSD (P=.05)					0.65	0.88	1.02
Standard Deviation					0.41	0.55	0.56
CV					163.3	147.41	298.14
Bartlett's X2					0.0	2.814	0.059
P(Bartlett's X2)					0.001*	0.245	0.807

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 2 Node 15	Plant 3 Node 15	Plant 4 Node 15	Plant 5 Node 15	#bollset Node 15	#bollabo Node 15	Plant 3 Node 15			
Crop Code	1st post boll	1st post boll	1st post boll	1st post boll	1st pos boll	1st pos boll	2nd pos boll			
Rating Data Type	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	172	173	174	175	176	177	181
1	Warrant (GF-887)	24	fl oz/a	0.0	0.7	0.3	0.3	1.3	2.8	.
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.0	0.0	0.8	0.4	1.5	2.8	.
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.3	0.0	0.0	0.3	2.0	.
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.3	0.8	0.7	0.5	2.0	2.3	0.0
	LSD (P=.05)			0.74	0.89	0.99	0.87	1.96	2.39	.
	Standard Deviation			0.38	0.53	0.57	0.52	1.22	1.49	.
	CV			600.0	125.38	132.94	188.83	97.98	61.25	.
	Bartlett's X2			0.0	0.06	0.063	0.069	2.788	0.127	.
	P(Bartlett's X2)			.	0.971	0.969	0.966	0.425	0.988	.

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 4 Node 15	Plant 5 Node 15	#bollset Node 15	#bollabo Node 15	Plant 1 Node 16	Plant 2 Node 16	Plant 3 Node 16
Crop Code	2nd pos	2nd pos	2nd pos	2nd pos	1st post	1st post	1st post
Rating Data Type	boll	boll	boll	boll	boll	boll	boll
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Rating Date							
Trt-Eval Interval							
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment							
No. Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
182	183	184	185	187	188	189	
1 Warrant (GF-887)	24 fl oz/a	.	0.0	0.0	0.3	0.0	1.0
Warrant (GF-887)	24 fl oz/a						
Warrant (GF-887)	24 fl oz/a						
2 R'up WeatherMax	21.33 fl oz/a	.	0.0	0.0	0.0		1.0
R'up WeatherMax	21.33 fl oz/a						
R'up WeatherMax	21.33 fl oz/a						
3 Glyphomax Plus (NAF-	32 fl oz/a	.	0.0	0.0		0.5	0.5
Glyphomax Plus (NAF-	32 fl oz/a						
Glyphomax Plus (NAF-	32 fl oz/a						
4 Untreated		0.0	0.5	0.3	0.8	0.0	1.0
LSD (P=.05)	.	.	0.40	0.77	0.87	.	9.53
Standard Deviation	.	.	0.25	0.48	0.38	.	1.06
CV	.	.	400.0	255.31	346.41	.	149.74
Bartlett's X2	.	.	0.0	0.0	0.0	.	0.052
P(Bartlett's X2)	.	.	.	.	.	.	0.82

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	Plant 4 Node 16	Plant 5 Node 16	#bollset Node 16	#bollabo Node 16	Plant 3 Node 16	Plant 5 Node 16	#bollset Node 16			
Crop Code	1st post	1st post	1st pos	1st pos	2nd pos	2nd pos	2nd pos			
Rating Data Type	boll	boll	boll	boll	boll	boll	boll			
Rating Unit	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	190	191	192	193	197	199	200
1	Warrant (GF-887)	24	fl oz/a	0.3	0.0	1.0	1.8	.	.	0.0
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.0	0.0	0.3	1.8	1.0	.	0.3
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	0.5	0.8	1.5	.	.	0.0
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.0	0.3	1.3	2.3	.	0.0	0.0
	LSD (P=.05)			0.92	2.32	1.61	1.77	.	.	0.40
	Standard Deviation			0.41	0.66	1.00	1.11	.	.	0.25
	CV			489.9	317.49	123.5	61.17	.	.	400.0
	Bartlett's X2			0.0	0.052	2.143	3.651	.	.	0.0
	P(Bartlett's X2)			.	0.82	0.543	0.302	.	.	.

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code	#bollabo	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5	#bollset			
Crop Code	Node 16	Node 17	Node 17	Node 17	Node 17	Node 17	Node 17			
Rating Data Type	2nd pos	1st post	1st post	1st post	1st post	1st post	1st pos			
Rating Unit	boll	boll	boll	boll	boll	boll	boll			
Rating Date	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03			
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	201	203	204	205	206	207	208
1	Warrant (GF-887)	24	fl oz/a	0.0	0.0		0.0			0.0
	Warrant (GF-887)	24	fl oz/a							
	Warrant (GF-887)	24	fl oz/a							
2	R'up WeatherMax	21.33	fl oz/a	0.0	.					0.0
	R'up WeatherMax	21.33	fl oz/a							
	R'up WeatherMax	21.33	fl oz/a							
3	Glyphomax Plus (NAF-	32	fl oz/a	0.0	.	0.5	0.0		0.0	0.3
	Glyphomax Plus (NAF-	32	fl oz/a							
	Glyphomax Plus (NAF-	32	fl oz/a							
4	Untreated			0.3	.	0.0	0.0	1.0	0.5	0.8
	LSD (P=.05)			0.40	.	6.35	.	.	.	0.75
	Standard Deviation			0.25	.	0.50	.	.	.	0.47
	CV			400.0	.	200.0	.	.	.	188.56
	Bartlett's X2			0.0	.	0.0	.	.	.	1.139
	P(Bartlett's X2)			.	.	.	.	.	.	0.286

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

University of Georgia

Weed Code		#bollabo	#bollset	#bollabo	# Bolls	# Bolls	# Aborts	# Aborts
Crop Code		Node 17	Node 17	Node 17	Node5-11	Node5-11	Node5-11	Node5-11
Rating Data Type		1st pos	2nd pos	2nd pos	1st Post	2nd pos	1st Post	2nd pos
Rating Unit		boll	boll	boll	#	#	#	#
Rating Date		Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Trt-Eval Interval								
PRM Data Type					T3	T4	T5	T6
# Subsamples, Dec.								
Trt Treatment	Rate							
No. Name	Rate Unit	209	216	217	219	220	221	222
1 Warrant (GF-887)	24 fl oz/a	0.8	0.0	0.0	21.5	2.5	7.8	20.3
Warrant (GF-887)	24 fl oz/a							
Warrant (GF-887)	24 fl oz/a							
2 R'up WeatherMax	21.33 fl oz/a	0.0	0.0	0.0	16.8	7.5	14.3	13.8
R'up WeatherMax	21.33 fl oz/a							
R'up WeatherMax	21.33 fl oz/a							
3 Glyphomax Plus (NAF-	32 fl oz/a	1.0	0.0	0.0	19.5	6.5	12.0	15.0
Glyphomax Plus (NAF-	32 fl oz/a							
Glyphomax Plus (NAF-	32 fl oz/a							
4 Untreated		1.0	0.0	0.0	19.8	8.8	10.0	14.3
LSD (P=.05)		1.51	0.00	0.00	5.61	4.40	5.84	5.13
Standard Deviation		0.95	0.00	0.00	3.51	2.75	3.65	3.21
CV		137.67	0.0	0.0	18.11	43.56	33.2	20.28
Bartlett's X2		0.422	0.0	0.0	5.172	2.138	0.645	1.17
P(Bartlett's X2)		0.81	.	.	0.16	0.544	0.886	0.76

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 179: T3 = [16]+[32]+[48]+[64]+[80]+[96]+[112]

Column 180: T4 = [24]+[40]+[56]+[72]+[88]+[104]+[120]

Column 181: T5 = [17]+[33]+[49]+[65]+[81]+[97]+[113]

Column 182: T6 = [25]+[41]+[57]+[73]+[89]+[105]+[121]

University of Georgia

Weed Code		# Bolls	# Bolls	# Aborts	# Aborts
Crop Code		Node5-17	Node5-17	Node5-17	Node5-17
Rating Data Type		1st Post	2nd pos	1st Post	2nd pos
Rating Unit		#	#	#	#
Rating Date		Sep-24-03	Sep-24-03	Sep-24-03	Sep-24-03
Trt-Eval Interval					
PRM Data Type		T7	T8	T9	T10
# Subsamples, Dec.					
Trt Treatment	Rate				
No. Name	Rate Unit	224	225	226	227
1 Warrant (GF-887)	24 fl oz/a	124.0	2.8	18.8	25.0
Warrant (GF-887)	24 fl oz/a				
Warrant (GF-887)	24 fl oz/a				
2 R'up WeatherMax	21.33 fl oz/a	122.0	8.5	22.8	16.8
R'up WeatherMax	21.33 fl oz/a				
R'up WeatherMax	21.33 fl oz/a				
3 Glyphomax Plus (NAF-	32 fl oz/a	120.8	7.5	23.8	19.5
Glyphomax Plus (NAF-	32 fl oz/a				
Glyphomax Plus (NAF-	32 fl oz/a				
4 Untreated		125.8	11.0	20.5	23.5
LSD (P=.05)		6.19	4.48	6.45	7.95
Standard Deviation		3.87	2.80	4.04	4.97
CV		3.14	37.65	18.82	23.44
Bartlett's X2		3.356	2.481	12.57	0.774
P(Bartlett's X2)		0.34	0.479	0.006*	0.856

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 183: T7 = [16]+[32]+[48]+[64]+[80]+96+[112]+[128]+[144]+[160]+[176]+[192]+[208]

Column 184: T8 = [24]+[40]+[56]+[72]+[88]+[104]+[120]+[136]+[152]+[168]+[184]+[200]+[216]

Column 185: T9 = [17]+[33]+[49]+[65]+[81]+[97]+[113]+[129]+[145]+[161]+[177]+[193]+[209]

Column 186: T10 =

[25]+[41]+[57]+[73]+[89]+[105]+[121]+[137]+[137]+[153]+[169]+[185]+[201]+[217]

Trial Comments

OBJECTIVE: Evaluate several brands of glyphosate on Roundup Ready cotton.

VISUAL RESPONSE:

1) No application caused visual injury.

PLANT MAPPING:

- 1) Focusing on early fruit set (nodes 5-11), there was no difference in the number of fruit set on position one. CV was less than 19.
- 2) Focusing on early fruit set (nodes 5-11), there was a difference in the number of fruit set on position two. Warrant produced less fruit as compared to the non-treated or WeatherMax treatments. CV was greater than 40 and this difference is probably an anomaly.
- 3) Focusing on early fruit set (nodes 5-11), there was no difference in the number of fruit aborted on positions 1 or 2.
- 4) Focusing on the entire plant (nodes 5-17), there was no difference in the number of fruit set on position 1. CV was less than 4.
- 5) Focusing on the entire plant (nodes 5-17), there was less fruit set in the Warrant treatment as compared to other treatments. CV > than 35.
- 6) Focusing on the entire plant (nodes 5-17), there was no difference on the number of fruit aborted. CV < 23.5

SEED COTTON YIELD:

1) No treatment impacted yield compared to the non-treated. Yield ranged from 2910 to 3150 lbs/A with a CV of less than 8.

GENERAL COMMENTS:

- 1) Prowl (1 qt) + Staple (0.8 oz) + Cotoran (1.5 pt) were applied PRE over entire trial to remove weeds. Weed control was excellent throughout the season. A few weeds were hand pulled.
- 2) Mapped 5 plants per plot. Data was entered as a 1 = a boll set, 0 = a boll or square aborted, . = no position existed.