

# University of Georgia

**RR Flex cotton response to Roundup, Roundup + Dual, or Roundup + Staple mixed  
with insecticides.**

Trial ID: C14-05

Study Dir.: Culpepper, Roberts

Location: ABAC

Investigator: Stanley Culpepper

Reps: 3

Plots: 6 by 40 feet

Spray vol: 14.8 gal/ac

Mix size: 1.5 liters (min .92602)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
									1	2	3
1	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	101	224	302
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		12-14	If C	22.52 ml/mx			
2	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	102	203	314
	Dual Magnum	7.62	L	1 pt/a		1-3	If A	12.67 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9	If B	12.67 ml/mx			
3	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	103	206	310
	Staple	85	WP	0.8 oz/a		1-3	If A	0.6072 g/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8 oz/a		7-9	If B	0.6072 g/mx			
4	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	104	225	326
	Dimethoate		L	8 oz/a		1-3	If A	6.334 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Dimethoate		L	8 oz/a		7-9	If B	6.334 ml/mx			
5	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	105	216	321
	Dual Magnum	7.62	L	1 pt/a		1-3	If A	12.67 ml/mx			
	Dimethoate		L	8 oz/a		1-3	If A	6.334 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9	If B	12.67 ml/mx			
	Dimethoate		L	8 oz/a		7-9	If B	6.334 ml/mx			
6	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	106	217	312
	Staple	85	WP	0.8 oz/a		1-3	If A	0.6072 g/mx			
	Dimethoate		L	8 oz/a		1-3	If A	6.334 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8 oz/a		7-9	If B	0.6072 g/mx			
	Dimethoate		L	8 oz/a		7-9	If B	6.334 ml/mx			
7	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	107	210	305
	Orthene	97	DF	0.5 lb/a		1-3	If A	6.072 g/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Orthene	97	DF	0.5 lb/a		7-9	If B	6.072 g/mx			
8	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	108	218	316
	Dual Magnum	7.62	L	1 pt/a		1-3	If A	12.67 ml/mx			
	Orthene	97	DF	0.5 lb/a		1-3	If A	6.072 g/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9	If B	12.67 ml/mx			
	Orthene	97	DF	0.5 lb/a		7-9	If B	6.072 g/mx			
9	MON 3539	4.5	L	1 lb ai/a		1-3	If A	22.52 ml/mx	109	215	307
	Staple	85	WP	0.8 oz/a		1-3	If A	0.6072 g/mx			
	Orthene	97	DF	0.5 lb/a		1-3	If A	6.072 g/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8 oz/a		7-9	If B	0.6072 g/mx			
	Orthene	97	DF	0.5 lb/a		7-9	If B	6.072 g/mx			
MON 3539	4.5	L	1 lb ai/a		12-14	If C	22.52 ml/mx				

# University of Georgia

Reps: 3

Plots: 6 by 40 feet

Spray vol: 14.8 gal/ac

Mix size: 1.5 liters (min .92602)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
									1	2	3
10	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	110	213	306
	Bidrin		L	6 oz/a		1-3 lf	A	4.751 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Bidrin		L	6 oz/a		7-9 lf	B	4.751 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
11	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	111	214	313
	Dual Magnum	7.62	L	1 pt/a		1-3 lf	A	12.67 ml/mx			
	Bidrin		L	6 oz/a		1-3 lf	A	4.751 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9 lf	B	12.67 ml/mx			
	Bidrin		L	6 oz/a		7-9 lf	B	4.751 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
12	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	112	230	318
	Staple	85	WP	0.8 oz/a		1-3 lf	A	0.6072 g/mx			
	Bidrin		L	6 oz/a		1-3 lf	A	4.751 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Staple	85	WP	0.8 oz/a		7-9 lf	B	0.6072 g/mx			
	Bidrin		L	6 oz/a		7-9 lf	B	4.751 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
13	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	113	201	323
	Mustang Max		L	3.6 oz/a		1-3 lf	A	2.851 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Mustang Max		L	3.6 oz/a		7-9 lf	B	2.851 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
14	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	114	228	324
	Dual Magnum	7.62	L	1 pt/a		1-3 lf	A	12.67 ml/mx			
	Mustang Max		L	3.6 oz/a		1-3 lf	A	2.851 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9 lf	B	12.67 ml/mx			
	Mustang Max		L	3.6 oz/a		7-9 lf	B	2.851 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
15	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	115	227	325
	Staple	85	WP	0.8 oz/a		1-3 lf	A	0.6072 g/mx			
	Mustang Max		L	3.6 oz/a		1-3 lf	A	2.851 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Staple	85	WP	0.8 oz/a		7-9 lf	B	0.6072 g/mx			
	Mustang Max		L	3.6 oz/a		7-9 lf	B	2.851 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
16	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	116	208	311
	Vydate		L	17 oz/a		1-3 lf	A	13.46 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Vydate		L	17 oz/a		7-9 lf	B	13.46 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				
17	MON 3539	4.5	L	1 lb ai/a		1-3 lf	A	22.52 ml/mx	117	211	328
	Dual Magnum	7.62	L	1 pt/a		1-3 lf	A	12.67 ml/mx			
	Vydate		L	17 oz/a		1-3 lf	A	13.46 ml/mx			
	MON 3539	4.5	L	1 lb ai/a		7-9 lf	B	22.52 ml/mx			
	Dual Magnum	7.62	L	1 pt/a		7-9 lf	B	12.67 ml/mx			
	Vydate		L	17 oz/a		7-9 lf	B	13.46 ml/mx			
MON 3539	4.5	L	1 lb ai/a		12-14 lf	C	22.52 ml/mx				

# University of Georgia

Reps: 3

Plots: 6 by 40 feet

Spray vol: 14.8 gal/ac

Mix size: 1.5 liters (min .92602)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
									1	2	3
18	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	118	202	303
	Staple	85	WP	0.8	oz/a	1-3	If A	0.6072 g/mx			
	Vydate		L	17	oz/a	1-3	If A	13.46 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8	oz/a	7-9	If B	0.6072 g/mx			
	Vydate		L	17	oz/a	7-9	If B	13.46 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
19	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	119	204	315
	Diamond		L	9	oz/a	1-3	If A	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Diamond		L	9	oz/a	7-9	If B	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
20	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	120	223	330
	Dual Magnum	7.62	L	1	pt/a	1-3	If A	12.67 ml/mx			
	Diamond		L	9	oz/a	1-3	If A	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1	pt/a	7-9	If B	12.67 ml/mx			
	Diamond		L	9	oz/a	7-9	If B	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
21	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	121	219	329
	Staple	85	WP	0.8	oz/a	1-3	If A	0.6072 g/mx			
	Diamond		L	9	oz/a	1-3	If A	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8	oz/a	7-9	If B	0.6072 g/mx			
	Diamond		L	9	oz/a	7-9	If B	7.126 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
22	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	122	221	320
	Tri-Max		L	1.5	oz/a	1-3	If A	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Tri-Max		L	1.5	oz/a	7-9	If B	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
23	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	123	229	301
	Dual Magnum	7.62	L	1	pt/a	1-3	If A	12.67 ml/mx			
	Tri-Max		L	1.5	oz/a	1-3	If A	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1	pt/a	7-9	If B	12.67 ml/mx			
	Tri-Max		L	1.5	oz/a	7-9	If B	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
24	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	124	209	319
	Staple	85	WP	0.8	oz/a	1-3	If A	0.6072 g/mx			
	Tri-Max		L	1.5	oz/a	1-3	If A	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8	oz/a	7-9	If B	0.6072 g/mx			
	Tri-Max		L	1.5	oz/a	7-9	If B	1.188 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
25	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	125	226	304
	Tracer		L	2.1	oz/a	1-3	If A	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Tracer		L	2.1	oz/a	7-9	If B	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			

# University of Georgia

Reps: 3                      Plots: 6 by 40 feet  
 Spray vol: 14.8 gal/ac      Mix size: 1.5 liters (min .92602)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
									1	2	3
26	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	126	207	308
	Dual Magnum	7.62	L	1	pt/a	1-3	If A	12.67 ml/mx			
	Tracer		L	2.1	oz/a	1-3	If A	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Dual Magnum	7.62	L	1	pt/a	7-9	If B	12.67 ml/mx			
	Tracer		L	2.1	oz/a	7-9	If B	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
27	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	127	220	317
	Staple	85	WP	0.8	oz/a	1-3	If A	0.6072 g/mx			
	Tracer		L	2.1	oz/a	1-3	If A	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Staple	85	WP	0.8	oz/a	7-9	If B	0.6072 g/mx			
	Tracer		L	2.1	oz/a	7-9	If B	1.663 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
28	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	128	222	309
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	Pix		L	8	oz/a	7-9	If B	6.334 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
29	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	129	205	322
	Dual Magnum	7.62	L	1	pt/a	7-9	If B	12.67 ml/mx			
	Pix		L	8	oz/a	7-9	If B	6.334 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			
30	MON 3539	4.5	L	1	lb ai/a	1-3	If A	22.52 ml/mx	130	212	327
	Staple	85	WP	0.8	oz/a	7-9	If B	0.6072 g/mx			
	Pix		L	8	oz/a	7-9	If B	6.334 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	7-9	If B	22.52 ml/mx			
	MON 3539	4.5	L	1	lb ai/a	12-14	If C	22.52 ml/mx			

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Lot Code
2,533.514	ml	MON 3539 4.5 L	
300.855	ml	Dual Magnum 7.62 L	
14.422	g	Staple 85 WP	
47.509	ml	Dimethoate L	
45.542	g	Orthene 97 DF	
35.631	ml	Bidrin L	
21.379	ml	Mustang Max L	
100.956	ml	Vydate L	
53.447	ml	Diamond L	
8.908	ml	Tri-Max L	
12.471	ml	Tracer L	
23.754	ml	Pix L	

\* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1.5 liters (mix size basis).  
 \* Product amount calculations increased 25 % for overage adjustment.

# University of Georgia

## RR Flex cotton response to Roundup, Roundup + Dual, or Roundup + Staple mixed with insecticides.

Trial ID: C14-05

Study Dir.: Culpepper, Roberts

Location: ABAC

Investigator: Stanley Culpepper

### Trial Comments

**OBJECTIVE:** Determine impact of mixing insecticides with herbicides applied otop of RR Flex cotton.

#### VISUAL COTTON INJURY:

1. Conditions with dew on the plant and wet soils were selected to enhance the potential for herbicide injury.
2. Visual injury ratings are primarily leaf burn (Dual mixtures) or leaf burn plus chlorosis (Staple mixtures).
3. Mixing Staple or Dual Mag. with glyphosate increased injury 11 to 14% at 3 d after the first application. At 3 d after the second application, injury from Dual Magnum plus glyphosate or Staple plus glyphosate was 13 and 23% greater than with glyphosate alone, respectively.
4. Mixed with glyphosate alone, Dimethoate and Diamond were the only two insecticides that increased injury at any time when applied in combination with glyphosate (6-10%).
5. At 3 d after the first application of glyphosate plus Dual Magnum (14% injury), cotton injury was increased by only Dimethoate (20%).
6. At 3 d after the second application of glyphosate plus Dual Magnum (13% injury), cotton injury was increased by the following: Dimethoate (31%), Bidrin (22%), Mustang Max (29%), Vydate (22%), Diamond (28%), Tri-Max (31%), Tracer (22%), and Pix (28%).
7. At 3 d after the first application of glyphosate plus Staple (11% injury), cotton injury was increased by Dimethoate (24%), Bidrin (28%), Mustang Max (18%), Diamond (24%), and Tri-Max (23%).
8. At 3 d after the second application of glyphosate plus Staple (23% injury), cotton injury was increased by the following: Dimethoate (38%), Diamond (42%), and Tri-Max (31%).

#### PLANT HEIGHTS (10 plants per plot early season, 20 plants per plot late-season):

1. At 5 d after the second POST application, mixing Staple with glyphosate reduced plant heights 22%.
2. The addition of insecticides with herbicide systems did not reduce plant heights compared to the respective herbicide system applied alone.

#### SEED YIELD:

1. Yields were not different among treatments.









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Weed Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	Avg10pla	plant 1	plant 2
Crop Code			injury	injury	injury	injury	injury	GOSHI	GOSHI	GOSHI
Rating Data Type			percent	percent	percent	percent	percent	mean	left/ht	left/ht
Rating Unit								ht/cm	cm	cm
Rating Date			May-23-05	May-30-05	Jun-07-05	Jul-05-05	Jun-14-05	Jun-09-05	Sep-21-05	Sep-21-05
Trt-Eval Interval			3 DA-A	10 DA-A	18 DA-A	46 DA-A	25 DA-A	20 DA-A	124 DA-A	124 DA-A
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate Unit	1	2	3	4	5	6	7	8
24	MON 3539	1 lb ai/a	23	14	31	20	29	25	105	99
	Staple	0.8 oz/a								
	Tri-Max	1.5 oz/a								
	MON 3539	1 lb ai/a								
	Staple	0.8 oz/a								
	Tri-Max	1.5 oz/a								
	MON 3539	1 lb ai/a								
25	MON 3539	1 lb ai/a	0	0	0	3	9	31	115	101
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
26	MON 3539	1 lb ai/a	12	11	22	7	10	26	107	110
	Dual Magnum	1 pt/a								
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
	Dual Magnum	1 pt/a								
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
27	MON 3539	1 lb ai/a	9	8	9	5	3	30	118	112
	Staple	0.8 oz/a								
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
	Staple	0.8 oz/a								
	Tracer	2.1 oz/a								
	MON 3539	1 lb ai/a								
28	MON 3539	1 lb ai/a	1	0	2	4	4	30	93	104
	MON 3539	1 lb ai/a								
	Pix	8 oz/a								
	MON 3539	1 lb ai/a								
29	MON 3539	1 lb ai/a	0	4	28	20	18	28	118	120
	Dual Magnum	1 pt/a								
	Pix	8 oz/a								
	MON 3539	1 lb ai/a								
	MON 3539	1 lb ai/a								
30	MON 3539	1 lb ai/a	0	0	17	9	6	30	118	109
	Staple	0.8 oz/a								
	Pix	8 oz/a								
	MON 3539	1 lb ai/a								
	MON 3539	1 lb ai/a								
LSD (P=.05)			6.6	6.7	7.7	10.4	12.3	3.3	19.5	21.3
Standard Deviation			4.0	4.1	4.7	6.4	7.5	2.0	11.9	13.0
CV			40.82	69.26	26.22	87.96	75.9	7.04	10.61	11.95

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





# University of Georgia

Weed Code		plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10		
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		
Rating Data Type		left/ht	left/ht	left/ht	left/ht	left/ht	left/ht	left/ht	left/ht		
Rating Unit		cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date		Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05		
Trt-Eval Interval		124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A		
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
17	MON 3539 Dual Magnum Vydate MON 3539 Dual Magnum Vydate MON 3539	1 lb ai/a 1 pt/a 17 oz/a 1 lb ai/a 1 pt/a 17 oz/a 1 lb ai/a	ai/a pt/a oz/a ai/a pt/a oz/a ai/a	111	112	90	100	108	97	104	102
18	MON 3539 Staple Vydate MON 3539 Staple Vydate MON 3539	1 lb ai/a 0.8 oz/a 17 oz/a 1 lb ai/a 0.8 oz/a 17 oz/a 1 lb ai/a	ai/a oz/a oz/a ai/a oz/a oz/a ai/a	112	128	131	119	127	126	136	127
19	MON 3539 Diamond MON 3539 Diamond MON 3539	1 lb ai/a 9 oz/a 1 lb ai/a 9 oz/a 1 lb ai/a	ai/a oz/a ai/a oz/a ai/a	113	113	109	115	111	104	114	107
20	MON 3539 Dual Magnum Diamond MON 3539 Dual Magnum Diamond MON 3539	1 lb ai/a 1 pt/a 9 oz/a 1 lb ai/a 1 pt/a 9 oz/a 1 lb ai/a	ai/a pt/a oz/a ai/a pt/a oz/a ai/a	116	98	105	114	106	100	103	104
21	MON 3539 Staple Diamond MON 3539 Staple Diamond MON 3539	1 lb ai/a 0.8 oz/a 9 oz/a 1 lb ai/a 0.8 oz/a 9 oz/a 1 lb ai/a	ai/a oz/a oz/a ai/a oz/a oz/a ai/a	96	100	101	98	95	99	100	91
22	MON 3539 Tri-Max MON 3539 Tri-Max MON 3539	1 lb ai/a 1.5 oz/a 1 lb ai/a 1.5 oz/a 1 lb ai/a	ai/a oz/a ai/a oz/a ai/a	118	123	113	115	131	120	110	112
23	MON 3539 Dual Magnum Tri-Max MON 3539 Dual Magnum Tri-Max MON 3539	1 lb ai/a 1 pt/a 1.5 oz/a 1 lb ai/a 1 pt/a 1.5 oz/a 1 lb ai/a	ai/a pt/a oz/a ai/a pt/a oz/a ai/a	117	110	100	101	118	94	106	110

# University of Georgia

Weed Code		plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10		
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		
Rating Data Type		left/ht	left/ht	left/ht	left/ht	left/ht	left/ht	left/ht	left/ht		
Rating Unit		cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date		Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05		
Trt-Eval Interval		124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A		
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
24	MON 3539	1 lb ai/a		91	99	99	94	97	105	101	105
	Staple	0.8 oz/a									
	Tri-Max	1.5 oz/a									
	MON 3539	1 lb ai/a									
	Staple	0.8 oz/a									
	Tri-Max	1.5 oz/a									
	MON 3539	1 lb ai/a									
25	MON 3539	1 lb ai/a		116	110	119	118	123	103	105	107
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
26	MON 3539	1 lb ai/a		114	110	103	113	96	98	103	117
	Dual Magnum	1 pt/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Dual Magnum	1 pt/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
27	MON 3539	1 lb ai/a		112	108	107	103	105	121	113	109
	Staple	0.8 oz/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Staple	0.8 oz/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
28	MON 3539	1 lb ai/a		103	97	103	111	105	104	118	111
	MON 3539	1 lb ai/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
29	MON 3539	1 lb ai/a		110	122	114	110	121	113	123	121
	Dual Magnum	1 pt/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
	MON 3539	1 lb ai/a									
30	MON 3539	1 lb ai/a		118	110	106	91	106	105	107	105
	Staple	0.8 oz/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
	MON 3539	1 lb ai/a									
LSD (P=.05)				24.5	21.1	22.2	26.4	24.5	23.1	27.7	22.2
Standard Deviation				15.0	12.9	13.6	16.1	15.0	14.2	17.0	13.6
CV				13.8	11.76	12.57	14.97	13.56	13.28	15.18	12.56

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









# University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	right/ht	right/ht	right/ht	right/ht	right/ht	right/ht	right/ht	right/ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05	Sep-21-05			
Trt-Eval Interval	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A	124 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	17	18	19	20	21	22	23	24
24	MON 3539	1 lb ai/a		95	91	104	102	90	100	99	100
	Staple	0.8 oz/a									
	Tri-Max	1.5 oz/a									
	MON 3539	1 lb ai/a									
	Staple	0.8 oz/a									
	Tri-Max	1.5 oz/a									
	MON 3539	1 lb ai/a									
25	MON 3539	1 lb ai/a		107	115	98	123	108	108	110	108
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
26	MON 3539	1 lb ai/a		114	106	100	111	109	112	114	110
	Dual Magnum	1 pt/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Dual Magnum	1 pt/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
27	MON 3539	1 lb ai/a		112	106	110	105	112	117	115	124
	Staple	0.8 oz/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
	Staple	0.8 oz/a									
	Tracer	2.1 oz/a									
	MON 3539	1 lb ai/a									
28	MON 3539	1 lb ai/a		118	107	102	96	97	112	97	101
	MON 3539	1 lb ai/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
29	MON 3539	1 lb ai/a		116	121	111	120	107	108	106	97
	Dual Magnum	1 pt/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
	MON 3539	1 lb ai/a									
30	MON 3539	1 lb ai/a		113	112	114	108	125	110	112	112
	Staple	0.8 oz/a									
	Pix	8 oz/a									
	MON 3539	1 lb ai/a									
	MON 3539	1 lb ai/a									
LSD (P=.05)				20.5	23.4	26.3	149.9	24.6	23.7	26.3	25.1
Standard Deviation				12.6	14.3	16.1	91.8	14.9	14.5	16.1	15.4
CV				11.34	13.14	14.57	76.74	13.3	13.06	14.68	14.09

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

# University of Georgia

Weed Code	plant 9	plant 10	Avg.20pl	harvest	harvest			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	right/ht	right/ht	mean	wt	wt			
Rating Unit	cm	cm	cm tall	lb/plot	lb/A			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-22-05	Sep-22-05			
Trt-Eval Interval	124 DA-A	124 DA-A	124 DA-A	125 DA-A	125 DA-A			
ARM Action Codes			T1		TY2			
# Subsamples, Dec.			1		1			
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29
1	MON 3539	1	lb ai/a	128	121	114.9	24	4365.7
	MON 3539	1	lb ai/a					
	MON 3539	1	lb ai/a					
2	MON 3539	1	lb ai/a	118	118	112.7	25	4452.2
	Dual Magnum	1	pt/a					
	MON 3539	1	lb ai/a					
	Dual Magnum	1	pt/a					
	MON 3539	1	lb ai/a					
3	MON 3539	1	lb ai/a	115	111	110.1	23	4221.7
	Staple	0.8	oz/a					
	MON 3539	1	lb ai/a					
	Staple	0.8	oz/a					
	MON 3539	1	lb ai/a					
4	MON 3539	1	lb ai/a	112	123	113.9	25	4457.6
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
5	MON 3539	1	lb ai/a	117	124	120.7	23	4202.3
	Dual Magnum	1	pt/a					
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
	Dual Magnum	1	pt/a					
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
6	MON 3539	1	lb ai/a	113	122	113.2	23	4231.4
	Staple	0.8	oz/a					
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
	Staple	0.8	oz/a					
	Dimethoate	8	oz/a					
	MON 3539	1	lb ai/a					
7	MON 3539	1	lb ai/a	109	115	108.7	25	4460.1
	Orthene	0.5	lb/a					
	MON 3539	1	lb ai/a					
	Orthene	0.5	lb/a					
	MON 3539	1	lb ai/a					
8	MON 3539	1	lb ai/a	110	121	112.2	23	4246.5
	Dual Magnum	1	pt/a					
	Orthene	0.5	lb/a					
	MON 3539	1	lb ai/a					
	Dual Magnum	1	pt/a					
	Orthene	0.5	lb/a					
	MON 3539	1	lb ai/a					

# University of Georgia

Weed Code	plant 9	plant 10	Avg.20pl	harvest	harvest			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	right/ht	right/ht	mean	wt	wt			
Rating Unit	cm	cm	cm tall	lb/plot	lb/A			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-22-05	Sep-22-05			
Trt-Eval Interval	124 DA-A	124 DA-A	124 DA-A	125 DA-A	125 DA-A			
ARM Action Codes			T1		TY2			
# Subsamples, Dec.			1		1			
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29
9	MON 3539	1 lb ai/a		114	100	105.8	24	4284.6
	Staple	0.8 oz/a						
	Orthene	0.5 lb/a						
	MON 3539	1 lb ai/a						
	Staple	0.8 oz/a						
	Orthene	0.5 lb/a						
	MON 3539	1 lb ai/a						
10	MON 3539	1 lb ai/a		111	111	111.0	25	4543.6
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
11	MON 3539	1 lb ai/a		104	98	106.8	24	4376.6
	Dual Magnum	1 pt/a						
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
	Dual Magnum	1 pt/a						
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
12	MON 3539	1 lb ai/a		112	103	100.2	23	4126.1
	Staple	0.8 oz/a						
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
	Staple	0.8 oz/a						
	Bidrin	6 oz/a						
	MON 3539	1 lb ai/a						
13	MON 3539	1 lb ai/a		113	116	110.9	25	4490.3
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
14	MON 3539	1 lb ai/a		107	111	105.2	24	4379.0
	Dual Magnum	1 pt/a						
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
	Dual Magnum	1 pt/a						
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
15	MON 3539	1 lb ai/a		97	96	105.0	24	4435.9
	Staple	0.8 oz/a						
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
	Staple	0.8 oz/a						
	Mustang Max	3.6 oz/a						
	MON 3539	1 lb ai/a						
16	MON 3539	1 lb ai/a		112	113	111.7	23	4140.6
	Vydate	17 oz/a						
	MON 3539	1 lb ai/a						
	Vydate	17 oz/a						
	MON 3539	1 lb ai/a						

## University of Georgia

Weed Code	plant 9	plant 10	Avg.20pl	harvest	harvest			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	right/ht	right/ht	mean	wt	wt			
Rating Unit	cm	cm	cm tall	lb/plot	lb/A			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-22-05	Sep-22-05			
Trt-Eval Interval	124 DA-A	124 DA-A	124 DA-A	125 DA-A	125 DA-A			
ARM Action Codes			T1		TY2			
# Subsamples, Dec.			1		1			
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29
17	MON 3539 Dual Magnum Vydate MON 3539 Dual Magnum Vydate MON 3539	1 1 17 1 1 17 1	lb ai/a pt/a oz/a lb ai/a pt/a oz/a lb ai/a	100	105	120.7	25	4595.6
18	MON 3539 Staple Vydate MON 3539 Staple Vydate MON 3539	1 0.8 17 1 0.8 17 1	lb ai/a oz/a oz/a lb ai/a oz/a oz/a lb ai/a	120	127	125.4	23	4116.4
19	MON 3539 Diamond MON 3539 Diamond MON 3539	1 9 1 9 1	lb ai/a oz/a lb ai/a oz/a lb ai/a	108	107	111.3	25	4548.4
20	MON 3539 Dual Magnum Diamond MON 3539 Dual Magnum Diamond MON 3539	1 1 9 1 1 9 1	lb ai/a pt/a oz/a lb ai/a pt/a oz/a lb ai/a	105	102	106.2	24	4307.6
21	MON 3539 Staple Diamond MON 3539 Staple Diamond MON 3539	1 0.8 9 1 0.8 9 1	lb ai/a oz/a oz/a lb ai/a oz/a oz/a lb ai/a	95	92	100.7	24	4362.1
22	MON 3539 Tri-Max MON 3539 Tri-Max MON 3539	1 1.5 1 1.5 1	lb ai/a oz/a lb ai/a oz/a lb ai/a	110	122	114.9	24	4423.8
23	MON 3539 Dual Magnum Tri-Max MON 3539 Dual Magnum Tri-Max MON 3539	1 1 1.5 1 1 1.5 1	lb ai/a pt/a oz/a lb ai/a pt/a oz/a lb ai/a	112	114	109.8	23	4260.4

# University of Georgia

Weed Code	plant 9	plant 10	Avg.20pl	harvest	harvest			
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type	right/ht	right/ht	mean	wt	wt			
Rating Unit	cm	cm	cm tall	lb/plot	lb/A			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-22-05	Sep-22-05			
Trt-Eval Interval	124 DA-A	124 DA-A	124 DA-A	125 DA-A	125 DA-A			
ARM Action Codes			T1		TY2			
# Subsamples, Dec.			1		1			
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29
24	MON 3539	1	lb ai/a	103	93	98.6	23	4137.6
	Staple	0.8	oz/a					
	Tri-Max	1.5	oz/a					
	MON 3539	1	lb ai/a					
	Staple	0.8	oz/a					
	Tri-Max	1.5	oz/a					
	MON 3539	1	lb ai/a					
25	MON 3539	1	lb ai/a	114	117	111.4	26	4780.7
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
26	MON 3539	1	lb ai/a	115	99	108.0	25	4600.4
	Dual Magnum	1	pt/a					
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
	Dual Magnum	1	pt/a					
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
27	MON 3539	1	lb ai/a	113	113	111.7	24	4351.2
	Staple	0.8	oz/a					
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
	Staple	0.8	oz/a					
	Tracer	2.1	oz/a					
	MON 3539	1	lb ai/a					
28	MON 3539	1	lb ai/a	95	101	103.8	25	4450.4
	MON 3539	1	lb ai/a					
	Pix	8	oz/a					
	MON 3539	1	lb ai/a					
29	MON 3539	1	lb ai/a	107	103	113.4	23	4129.7
	Dual Magnum	1	pt/a					
	Pix	8	oz/a					
	MON 3539	1	lb ai/a					
	MON 3539	1	lb ai/a					
30	MON 3539	1	lb ai/a	112	109	109.6	25	4542.3
	Staple	0.8	oz/a					
	Pix	8	oz/a					
	MON 3539	1	lb ai/a					
	MON 3539	1	lb ai/a					
LSD (P=.05)		26.2	23.4	17.41	2.2	400.25		
Standard Deviation		16.1	14.3	10.66	1.4	245.10		
CV		14.6	12.99	9.67	5.61	5.61		

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

Column 27: T1 = @AVG([C7].[C26])

Column 29: TY2 = 181.5\*[C28]

# University of Georgia

**RR Flex cotton response to Roundup, Roundup + Dual, or Roundup + Staple mixed with insecticides.**

Trial ID: C14-05

Study Dir.: Culpepper, Roberts

Location: ABAC

Investigator: Stanley Culpepper

**GENERAL TRIAL INFORMATION**

**Study Director:** Culpepper, Roberts **Title:** Extension  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794

**Investigator:** Culpepper, Roberts **Title:** Extension  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794

**TRIAL LOCATION**

**City:** Tifton **Trial Status:** completed  
**State/Prov.:** GA **Trial Reliability:** excellent  
**Postal Code:** 31794 **Initiation Date:** May-03-05  
**Country:** USA **Planned Completion Date:** \_\_\_\_\_  
**E-Longitude of LL Corner °:** \_\_\_\_\_ **N-Latitude of LL Corner °:** \_\_\_\_\_  
**Altitude of LL Corner: \_\_\_\_\_ Unit: \_\_\_\_\_ Angle y-axis to North °:** \_\_\_\_\_  
**Directions:**

**COOPERATOR/LANDOWNER**

**Cooperator:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**Org:** \_\_\_\_\_ **Phone No:** \_\_\_\_\_  
**Address 1:** \_\_\_\_\_ **Fax No:** \_\_\_\_\_  
**Address 2:** \_\_\_\_\_  
**City:** \_\_\_\_\_  
**State/Prov:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N  
**Guidelines:** \_\_\_\_\_ **Guideline Description:** \_\_\_\_\_

**Objective:**

**Conclusions:**

**CROP AND WEED DESCRIPTION**

Weed	Code	Common Name	Scientific Name
1.			

**Crop 1:** GOSHI cotton **Variety:** WRF 475  
**Planting Date:** May-03-05 **Planting Method:** seeded  
**Rate:** 2 8 in **Depth:** 0.5 in **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 36 inch **Spacing Within Row:** \_\_\_\_\_ **Seed Bed:** flat  
**Soil Temperature:** 70 F **Soil Moisture:** fair **Emergence Date:** May-08-05

**SITE AND DESIGN**

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 40 FT **Reps:** 3  
**Site Type:** ABAC  
**Tillage Type:** strip tillage **Study Design:** RANDOMIZED COMPLETE BLOCK

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.			

**MAINTENANCE**

**Field Prep./Maintenance:**

# University of Georgia

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.							

**SOIL DESCRIPTION**

% Sand: 0.      % OM: 0.      Texture: \_\_\_\_\_  
 % Silt: 0.      pH: 0.      Soil Name: \_\_\_\_\_  
 % Clay: 0.      CEC: 0.      Fert. Level: \_\_\_\_\_

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: \_\_\_\_\_

Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_\_

**APPLICATION DESCRIPTION**

	A	B	C
Application Date:	May-20-05	Jun-04-05	Jun-22-05
Time of Day:	9 am	8 am	10 am
Application Method:	broadcast	broadcast	broadcast
Application Timing:	1-3 lf	7-9 leaf	12-14 lf
Applic. Placement:	overtop	overtop	overtop
Air Temp., Unit:	68 F	78 F	85 F
% Relative Humidity:	54	70	54
Wind Velocity, Unit:	0 mph	0 mph	3 mph
Dew Presence (Y/N):	y	y	n
Water Hardness:			
Soil Temp., Unit:	77 F	78 F	85 F
Soil Moisture:	wet	wet	fair
% Cloud Cover:	0	80	25

**CROP STAGE AT EACH APPLICATION**

	A	B	C
Crop 1 Code, Stage:	GOSHI 1-3 leaf	GOSHI 7-9 leaf	GOSHI 12-14 lf
Stage Scale:	2 leaf	8 leaf	12 leaf
Height, Unit:	3 inch	11 inch	27 inch

**WEED STAGE AT EACH APPLICATION**

	A	B	C
Weed 1 Code, Stage:			
Stage Scale:			
Density, Unit:			

# University of Georgia

## APPLICATION EQUIPMENT

	A	B	C
<b>Appl. Equipment:</b>	backpack	backpack	spider
<b>Operating Pressure:</b>	23	23	
<b>Nozzle Type:</b>	flat fan	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002	8003
<b>Nozzle Spacing, Unit:</b>	18 inch	18 inch	18 feet
<b>Nozzles/Row:</b>	2	2	2
<b>Band Width, Unit:</b>			
<b>Boom Length, Unit:</b>	4.5 feet	4.5 feet	6 feet
<b>Boom Height, Unit:</b>	15 inch	15 inch	18 inch
<b>Ground Speed, Unit:</b>	3 mph	3 mph	5 mph
<b>Incorporation Equip.:</b>			
<b>Hours to Incorp.:</b>			
<b>Incorp. Depth, Unit:</b>			
<b>Carrier:</b>	water	water	water
<b>Spray Volume, Unit:</b>	14.8 GPA	14.8 GPA	14.8 GPA
<b>Spray pH:</b>			
<b>Propellant:</b>	CO2	CO2	air pump
<b>Tank Mix (Y/N):</b>	Y	Y	Y

Trt No	Treatment Application Comment