

# University of Georgia

## PHY 485 Widestrike Flex cotton response to Ignite

Trial ID: C35-07

Protocol ID:

Location: Ponder Farm

Study Director: Stanley Culpepper

Investigator: Alan C. York

Reps: 4

Plots: 12 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Growth Stage	Appl Code	Amt to Measure	Product	Plot No. By Rep			
											1	2	3	4
1	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	106	215	303	407
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Weathermax (check)	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
2	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	103	212	305	412
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Dual Magnum	7.62	lba/gal	L	1	PT/A	POST-1	B	16.89	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
3	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	109	206	308	411
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Staple LX	3.2	lba/gal	L	1.3	FL OZ/A	POST-1	B	1.372	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Staple LX	3.2	lba/gal	L	1.3	FL OZ/A	POST-2	C	1.372	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
4	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	102	201	312	413
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
	Envoke	75	%	WG	0.1	OZ WT/A	POST-3	D	0.1012	g/mx				
5	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	114	211	310	414
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
6	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	107	214	313	408
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Dual Magnum	7.62	lba/gal	L	1	PT/A	POST-1	B	16.89	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
7	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	111	205	314	402
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Staple LX	3.2	lba/gal	L	1.3	FL OZ/A	POST-1	B	1.372	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Staple LX	3.2	lba/gal	L	1.3	FL OZ/A	POST-2	C	1.372	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
8	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47	ml/mx	113	207	311	409
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23	ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23	ml/mx				
	Envoke	75	%	WG	0.1	OZ WT/A	POST-3	D	0.1012	g/mx				

# University of Georgia

Reps: 4

Plots: 12 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Growth Stage	Appl Code	Amt Product to Measure	Plot No. By Rep			
										1	2	3	4
9	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	110	208	315	410
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	44	FL OZ/A	POST-1	B	46.45 ml/mx				
	Ignite 280	2.34	lba/gal	L	44	FL OZ/A	POST-2	C	46.45 ml/mx				
	Ignite 280	2.34	lba/gal	L	44	FL OZ/A	POST-3	D	46.45 ml/mx				
10	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	101	210	316	401
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-1	B	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-1	B	11.61 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-2	C	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-2	C	11.61 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-3	D	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-3	D	11.61 ml/mx				
11	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	116	216	302	403
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-1	B	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-2	C	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	11	FL OZ/A	POST-3	D	11.61 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
12	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	105	204	307	405
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-1	B	11.61 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-2	C	11.61 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	11	FL OZ/A	POST-3	D	11.61 ml/mx				
13	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	112	213	309	416
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
14	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	115	203	301	406
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
15	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	108	209	306	404
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				
16	Prowl	3.8	lba/gal	L	2.1	PT/A	PRE	A	35.47 ml/mx	104	202	304	415
	Cotoran	4	lba/gal	L	2	PT/A	PRE	A	33.78 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-1	B	23.23 ml/mx				
	Weathermax	4.5	lbae/gal	L	22	FL OZ/A	POST-2	C	23.23 ml/mx				
	Ignite 280	2.34	lba/gal	L	22	FL OZ/A	POST-3	D	23.23 ml/mx				

Sort Order: Treatment

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Reps: 4                      Plots: 12 by 25 feet  
 Spray vol: 14.8 gal/ac      Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Form Unit	Rate Stage	Growth Code	Appl to Measure	Amt Product 1	Plot No. 2	By Rep 3	By Rep 4
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Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
709.385	ml	Prowl	3.8	L	
675.604	ml	Cotoran	4	L	
783.891	ml	Weathermax	4.5	L	
42.225	ml	Dual Magnum	7.62	L	
6.862	ml	Staple LX	3.2	L	
0.253	g	Envoke	75	WG	
870.990	ml	Ignite 280	2.34	L	

\* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 2 liters (mix size basis).  
 \* Product amount calculations increased 25 % for overage adjustment.

### Trial Comments

**OBJECTIVE:** Determine Widestrike cotton tolerance to Ignite applied topically.

**VISUAL COTTON INJURY:**

1. WeatherMax did not injure cotton at any application.
2. At 5 d after the 2 leaf application, WeatherMax plus Dual injured 2 leaf cotton 11%. Injury from Ignite at 22 oz was 13-15%; mixing Staple with Ignite did not increase injury but Dual Magnum mixed with Ignite increased injury at least 9%. Injury by Ignite at 44 oz was similar to that noted with glyphosate plus Dual. Mixing Ignite and WeatherMax caused no more injury than Ignite applied alone except when both products were applied at their full rates (20% injury).
3. At 5 d after the 7 leaf application, Ignite caused 12 to 13% injury when applied at 22 oz and up to 24% injury when applied at 44 oz. Mixtures of glyphosate and Ignite caused no more injury than Ignite applied alone. Sequential applications did not appear additive except for the 44 oz/A application of Ignite had not completely recovered from the application to 2 leaf cotton.
4. At 10 d after the 13 leaf application, injury was only noted with Ignite at 44 oz/A and with Ignite plus Envoke.
5. By mid-July injury was no longer detectable.

**COTTON YIELD:**

1. No differences or trends in differences in seed cotton yield were noted.

**CONCLUSIONS:**

1. A large plot yield study (plots at least 100 feet by 4 rows) needs to be conducted to validate that there is no impact on yield from a sequential Ignite system applied topically to Widestrike cotton.

# University of Georgia

## PHY 485 Widestrike Flex cotton response to Ignite

Trial ID: C35-07  
 Location: Ponder Farm

Protocol ID:  
 Study Director: Stanley Culpepper  
 Investigator: Alan C. York

Pest Code					SEED	SEED			
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
BBCH Scale		BCOT	BCOT	BCOT	BCOT	BCOT			
Rating Date		May-25-07	Jun-12-07	Jul-05-07	Jul-16-07	Sep-04-07	Sep-04-07		
Rating Data Type		%	%	%	%	yield	yield		
Rating Unit		injury	injury	injury	injury	lb/plot	lb/A		
Days After First/Last Applic.		5	5	10	21	71	71		
Trt-Eval Interval		4 DA-B	5 DA-C	10 DA-D	21 DA-D	126 DA-A	126 DA-A		
ARM Action Codes							TY1		
Number of Decimals							1		
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6
1	Prowl	2.1	PT/A	0 e	0 f	0 c	0 a	11 ab	3159.6 ab
	Cotoran	2	PT/A						
	Weathermax	22	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Weathermax (check)	22	FL OZ/A						
2	Prowl	2.1	PT/A	11 d	0 f	0 c	0 a	11 ab	3140.7 ab
	Cotoran	2	PT/A						
	Weathermax	22	FL OZ/A						
	Dual Magnum	1	PT/A						
	Weathermax	22	FL OZ/A						
	Weathermax	22	FL OZ/A						
3	Prowl	2.1	PT/A	2 e	1 f	0 c	0 a	10 ab	2892.4 ab
	Cotoran	2	PT/A						
	Weathermax	22	FL OZ/A						
	Staple LX	1.3	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Staple LX	1.3	FL OZ/A						
	Weathermax	22	FL OZ/A						
4	Prowl	2.1	PT/A	3 e	0 f	0 c	0 a	10 ab	3046.3 ab
	Cotoran	2	PT/A						
	Weathermax	22	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Envoke	0.1	OZ WT/A						
5	Prowl	2.1	PT/A	15 cd	12 bcd	0 c	0 a	11 ab	3129.1 ab
	Cotoran	2	PT/A						
	Ignite 280	22	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Ignite 280	22	FL OZ/A						
6	Prowl	2.1	PT/A	24 a	14 bcd	0 c	0 a	11 a	3285.2 a
	Cotoran	2	PT/A						
	Ignite 280	22	FL OZ/A						
	Dual Magnum	1	PT/A						
	Ignite 280	22	FL OZ/A						
	Ignite 280	22	FL OZ/A						

# University of Georgia

Pest Code					SEED	SEED			
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
BBCH Scale		BCOT	BCOT	BCOT	BCOT	BCOT			
Rating Date		May-25-07	Jun-12-07	Jul-05-07	Jul-16-07	Sep-04-07			
Rating Data Type		%	%	%	%	yield			
Rating Unit		injury	injury	injury	injury	lb/plot			
Days After First/Last Applic.		5	5	10	21	71			
Trt-Eval Interval		4 DA-B	5 DA-C	10 DA-D	21 DA-D	126 DA-A			
ARM Action Codes						TY1			
Number of Decimals						1			
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6
7	Prowl	2.1	PT/A	12 d	17 b	0 c	0 a	11 ab	3110.2 ab
	Cotoran	2	PT/A						
	Ignite 280	22	FL OZ/A						
	Staple LX	1.3	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Staple LX	1.3	FL OZ/A						
	Ignite 280	22	FL OZ/A						
8	Prowl	2.1	PT/A	14 cd	12 bcd	14 a	0 a	11 ab	3163.9 ab
	Cotoran	2	PT/A						
	Ignite 280	22	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Envoke	0.1	OZ WT/A						
9	Prowl	2.1	PT/A	22 ab	24 a	8 b	0 a	10 ab	2857.5 ab
	Cotoran	2	PT/A						
	Ignite 280	44	FL OZ/A						
	Ignite 280	44	FL OZ/A						
	Ignite 280	44	FL OZ/A						
10	Prowl	2.1	PT/A	11 d	5 ef	0 c	0 a	10 ab	2896.7 ab
	Cotoran	2	PT/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	11	FL OZ/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	11	FL OZ/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	11	FL OZ/A						
11	Prowl	2.1	PT/A	12 cd	9 de	0 c	0 a	10 ab	3030.3 ab
	Cotoran	2	PT/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	22	FL OZ/A						
	Ignite 280	11	FL OZ/A						
	Weathermax	22	FL OZ/A						
12	Prowl	2.1	PT/A	17 bc	12 cd	0 c	0 a	10 ab	2857.5 ab
	Cotoran	2	PT/A						
	Ignite 280	22	FL OZ/A						
	Weathermax	11	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Weathermax	11	FL OZ/A						
	Ignite 280	22	FL OZ/A						
	Weathermax	11	FL OZ/A						

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Pest Code					SEED	SEED
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
BBCH Scale	BCOT	BCOT	BCOT	BCOT	BCOT	BCOT
Rating Date	May-25-07	Jun-12-07	Jul-05-07	Jul-16-07	Sep-04-07	Sep-04-07
Rating Data Type	%	%	%	%	yield	yield
Rating Unit	injury	injury	injury	injury	lb/plot	lb/A
Days After First/Last Applic.	5	5	10	21	71	71
Trt-Eval Interval	4 DA-B	5 DA-C	10 DA-D	21 DA-D	126 DA-A	126 DA-A
ARM Action Codes						TY1
Number of Decimals						1
Trt Treatment	Rate					
No. Name	Rate Unit	1	2	3	4	5
13 Prowl	2.1 PT/A	20 ab	16 bc	0 c	0 a	10 ab
Cotoran	2 PT/A					
Ignite 280	22 FL OZ/A					
Weathermax	22 FL OZ/A					
Ignite 280	22 FL OZ/A					
Weathermax	22 FL OZ/A					
Ignite 280	22 FL OZ/A					
Weathermax	22 FL OZ/A					
14 Prowl	2.1 PT/A	13 cd	0 f	0 c	0 a	11 ab
Cotoran	2 PT/A					
Ignite 280	22 FL OZ/A					
Weathermax	22 FL OZ/A					
Weathermax	22 FL OZ/A					
15 Prowl	2.1 PT/A	0 e	12 cd	0 c	0 a	9 b
Cotoran	2 PT/A					
Weathermax	22 FL OZ/A					
Ignite 280	22 FL OZ/A					
Weathermax	22 FL OZ/A					
16 Prowl	2.1 PT/A	0 e	0 f	0 c	0 a	10 ab
Cotoran	2 PT/A					
Weathermax	22 FL OZ/A					
Weathermax	22 FL OZ/A					
Ignite 280	22 FL OZ/A					
LSD (P=.05)		4.9	4.8	1.2	0.0	1.4
Standard Deviation		3.4	3.4	0.9	0.0	1.0
CV		31.42	40.65	62.63	0.0	9.18
Bartlett's X2		24.917	19.6	0.321	0.0	5.625
P(Bartlett's X2)		0.015*	0.033*	0.571	.	0.985

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

Column 6: TY1 = 290.4\*[5]

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## PHY 485 Widestrike Flex cotton response to Ignite

Trial ID: C35-07  
Location: Ponder Farm

Protocol ID:  
Study Director: Stanley Culpepper  
Investigator: Alan C. York

### General Trial Information

**Study Director:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794 **E-mail:** \_\_\_\_\_

**Investigator:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794 **E-mail:** \_\_\_\_\_

### Keywords:

### Trial Location

**City:** TyTy **Trial Status:** completed  
**State/Prov.:** GA **Trial Reliability:** good  
**Postal Code:** \_\_\_\_\_ **Initiation Date:** May-01-07  
**Country:** USA **Planned Completion Date:** \_\_\_\_\_  
\_ -Latitude of LL Corner °: \_\_\_\_\_ \_ -Longitude of LL Corner °: \_\_\_\_\_  
**Altitude of LL Corner:** \_\_\_\_\_ **Unit:** \_\_\_\_\_ **Angle y-axis to North °:** \_\_\_\_\_  
**Map Reference:** \_\_\_\_\_  
**Directions:**

**Conducted Under GLP:** \_ **Official Trial Code:** \_\_\_\_\_  
**Conducted Under GEP:** \_ **Other Trial Code:** \_\_\_\_\_

Guideline	Description
1.	

Objectives:  
  
Conclusions:

### Cooperator/Landowner

**Cooperator:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**Organization:** \_\_\_\_\_ **Phone No:** \_\_\_\_\_  
**Address 1:** \_\_\_\_\_ **Fax No:** \_\_\_\_\_  
**Address 2:** \_\_\_\_\_  
**City:** \_\_\_\_\_  
**State/Prov:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

# University of Georgia

Crop Description	
Crop 1: GOSHI <i>Gossypium hirsutum</i>	Cotton, American upland
Variety: Widestrike 485 WF	Description: _____
BBCH Scale: BCOT	Planting Date: May-01-07
Planting Method: hill drop	Rate, Unit: 2 8 in
Depth, Unit: 0.5 in	Perennial Age, Unit: _____
Row Spacing, Unit: 36 in	Spacing Within Row, Unit: 8 in
Seed Bed: strip tillage	Soil Temperature, Unit: 85 F
Soil Moisture: moist	Emergence Date: May-06-07
Harvest Date: _____	Harvest Equipment: _____
Harvested Width, Unit: _____	Harvested Length, Unit: _____
% Standard Moisture: _____	Moisture Meter: _____
Weighing Equipment: _____	

Pest Description	
Pest 1 Type: _ Code: .	_____
Common Name: _____	
Description: _____	

Site and Design			
Plot Width, Unit: 12	FT	Site Type: Ponder farm (5161)	
Plot Length, Unit: 25	FT	Tillage Type: Conservation tillage	
Replications: 4		Study Design: Randomized Complete Block	
% Slope: _____		Soil Drainage: _ _____	

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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

Comment:

Field Prep./Maintenance:

Soil Description			
Description Name: _____			
% Sand: 94	% OM: 1.3	Texture: sand	
% Silt: 2	pH: 6.4	Soil Name: Tifton loamy sand	
% Clay: 4	CEC: _____	Fert. Level: _____	
Analyzed By: _____			

Additional Measured Elements		
Element	Quantity	Unit

Moisture Conditions		
Overall Moisture Conditions: Irrigated		
Closest Weather Station: _____	Distance: _____	Unit: _____



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	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

### Application Description

	A	B	C	D
Application Date:	May-01-07	May-20-07	Jun-07-07	Jun-25-07
Time of Day:	8 am	8:00 am	8:00 am	9:30 am
Application Method:	broadcast	broadcast	broadcast	broadcast
Application Timing:	PRE	POST-1	POST-2	POST-3
Application Placement:	on soil	overtop	overtop	overtop
Applied By:	Culpepper	Culpepper	MacRae	Culpepper
Air Temperature, Unit:	86 F	68 F	83 F	89 F
% Relative Humidity:	50	64	69	62
Wind Velocity, Unit:	3 mph	3 mph	3 mph	2 mph
Wind Direction:				
Dew Presence (Y/N):	n	N		N
Water Hardness:				
Soil Temperature, Unit:	85 F	75 F	91 F	92 F
Soil Moisture:	fair	moist	moist	fair
% Cloud Cover:	20	0	20	30
Next Rain Occurred On:				

### Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	GOSHI BCOT	GOSHI BCOT	GOSHI BCOT	GOSHI BCOT
Stage Scale Used:	BBCH	BBCH	BBCH	BBCH
Stage Majority, Percent:	PRE 100	2 leaf 100	7 leaf 100	13 leaf 100
Stage Minimum, Percent:	PRE 100	2 leaf 100	7 leaf 100	13 leaf 100
Stage Maximum, Percent:	PRE 100	2 leaf 100	7 leaf 100	13 leaf 100
Diameter, Unit:				
Height, Unit:	0 in	3 in	10 in	17 in
Height Minimum, Maximum:	0 0	2 4	10 10	17 17

### Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	.	.	.	.
Stage Majority, Percent:	.			
Stage Minimum, Percent:				
Stage Maximum, Percent:				
Diameter, Unit:				
Height, Unit:				
Height Minimum, Maximum:				
Density, Unit:	0.	.		
Coverage, Unit:				

# University of Georgia

## Application Equipment

	A	B	C
Appl. Equipment:	backpack	backpack	backpack
Operating Pressure, Unit:	24 psi	24 psi	24 psi
Nozzle Type:	flat fan	flat fan	flat fan
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	18 in	18 in	18 in
Nozzles/Row:	2	2	2
Nozzle Calibration, Unit:			
Band Width, Unit:			
Boom ID:			
Boom Length, Unit:	4.5 ft	4.5 ft	4.5 ft
Boom Height, Unit:	15 in	15 in	15 in
Ground Speed, Unit:	3 mph	3 mph	3 mph
Incorporation Equip.:			
Hours to Incorp.:			
Incorp. Depth, Unit:			
Carrier:	water	water	water
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size, Unit:			
Spray pH:			
Propellant:	CO2	CO2	CO2
Tank Mix (Y/N):	Y	Y	Y

	D
Appl. Equipment:	backpack
Operating Pressure, Unit:	24 psi
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 in
Nozzles/Row:	2
Nozzle Calibration, Unit:	
Band Width, Unit:	
Boom ID:	
Boom Length, Unit:	4.5 ft
Boom Height, Unit:	15 in
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	15 GAL/AC
Mix Size, Unit:	
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Equipment Comment:

Trt No    Treatment Application Comment

Date                      By                      Notes

# University of Georgia

Date	By	Deviations
_____	_____	

Reasons: