	RR Flex cotton response to WeatherMax mixed with Prowl 3.3, Prowl H20, Surflan, or Dual Magnum.												
T~-	al ID: C12-05				C+	<b>or Du</b> Idy Dir.		-					
	al ID: Cl2-05 ation: Jones Farm							lpepper anley Culpe	oper				
Reps		ots: 6 b	)v 25 f	eet		94001	500		<u></u>				
	y vol: 14.8 gal/ac				(min .7	7168)							
	Treatment	Form			Rate	Grow	Appl	Amt Product	Plot N	o. Bv	Rep		
	Name			Rate		Stg	•••	to Measure	1	2	3	4	
	Prowl H20		EC		lb ai/a		А	13.33 ml/mx	101	207	317	404	
	Roundup WeatherMax	4.5	L		oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
2	Prowl 3.3 EC		EC	0.75	lb ai/a	PRE	А	15.35 ml/mx	102	210	304	417	
	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
3	Surflan		AS		lb ai/a		Α	16.89 ml/mx	103	212	316	412	
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
4	Dual Magnum	7.62			pt/a	PRE	A	8.445 ml/mx	104	211	303	401	
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
-	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	ט	11.61 ml/mx	405	000	0.05	445	
	Non-treated				,				105	209	305	415	
6	Roundup WeatherMax	4.5			oz/a	1-2 lf	В	11.61 ml/mx	106	201	307	411	
1	Prowl H20 Roundup WeatherMax		EC		lb ai/a oz/a		B	13.33 ml/mx					
	Roundup WeatherMax Roundup WeatherMax	4.5 4.5			oz/a oz/a	6-8 lf 12-14 lf	C D	11.61 ml/mx 11.61 ml/mx					
7	Roundup WeatherMax	4.5			oz/a	1-2 lf	B	11.61 ml/mx	107	208	314	403	
<b> </b> '	Prowl 3.3		L EC		oz/a lb ai/a		в В	15.35 ml/mx	-	200	314	403	
	Roundup WeatherMax	3.3 4.5			oz/a	6-8 lf	C	11.61 ml/mx					
1	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
8	Roundup WeatherMax	4.5			oz/a	1-2 lf	B	11.61 ml/mx	108	206	310	416	
	Surflan		AS		lb ai/a		В	16.89 ml/mx				-	
1	Roundup WeatherMax	4.5		22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
9	Roundup WeatherMax	4.5			oz/a	1-2 lf	В	11.61 ml/mx	109	205	312	407	
1	Dual Magnum	7.62			pt/a	1-2 lf	В	8.445 ml/mx					
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
<u> </u>	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
10	Roundup WeatherMax	4.5			oz/a	1-2 lf	В	11.61 ml/mx	110	213	318	408	
1	Prowl H20 Roundup WeatherMax		EC		lb ai/a		C	13.33 ml/mx					
	Roundup WeatherMax Roundup WeatherMax	4.5 4.5			oz/a oz/a	6-8 lf 12-14 lf	C D	11.61 ml/mx 11.61 ml/mx					
1 1	•	4.5							111	214	306	410	
	Roundup WeatherMax Prowl 3.3		L EC		oz/a Ib ai/a	1-2 lf 6-8 lf	B C	11.61 ml/mx 15.35 ml/mx		214	306	410	
1	Roundup WeatherMax	3.3 4.5			oz/a	6-8 lf	c	11.61 ml/mx					
1	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
12	Roundup WeatherMax	4.5			oz/a	1-2 lf	B	11.61 ml/mx	112	217	313	409	
1 -	Surflan		AS		lb ai/a		C	16.89 ml/mx			0.0		
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	C	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
13	Roundup WeatherMax	4.5		22	oz/a	1-2 lf	В	11.61 ml/mx	113	202	301	405	
1	Dual Magnum	7.62			pt/a	6-8 lf	С	8.445 ml/mx					
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
14	Roundup WeatherMax	4.5			oz/a	1-2 lf	В	11.61 ml/mx	114	218	315	406	
1	Roundup WeatherMax	4.5			oz/a	6-8 lf	С	11.61 ml/mx					
1	Roundup WeatherMax	4.5			oz/a	12-14 lf		11.61 ml/mx					
I	Prowl H20	3.8	EC	0.75	id ai/a	12-14 lf	ט	13.33 ml/mx					

Re	eps: 4 Plo	ts: 6 b	oy 25 fe	eet									
Sp	ray vol: 14.8 gal/ac	Mix	size: 2	l liters	(min .7	7168)							
Tr	t Treatment	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	o. By l	Rep		
No	o. Name	Conc	Туре	Rate	Unit	Stg	Code	to Measure	1	2	3	4	
1	5 Roundup WeatherMax	4.5	L	22	oz/a	1-2 lf	В	11.61 ml/mx	115	216	302	418	
	Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
_	Prowl 3.3	3.3	EC	0.75	lb ai/a	12-14 lf	D	15.35 ml/mx					
1	6 Roundup WeatherMax	4.5	L	22	oz/a	1-2 lf	В	11.61 ml/mx	116	215	309	414	
	Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
	Surflan	4	AS	1	lb ai/a	12-14 lf	D	16.89 ml/mx					
1	7 Roundup WeatherMax	4.5	L	22	oz/a	1-2 lf	В	11.61 ml/mx	117	204	311	413	
	Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L		oz/a	12-14 lf	D	11.61 ml/mx					
	Dual Magnum	7.62	L	1	pt/a	12-14 lf	D	8.445 ml/mx					
1	8 Roundup WeatherMax	4.5	L	22	oz/a	1-2 lf	В	11.61 ml/mx	118	203	308	402	
	Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
	Direx	4	L	1.25	pt/a	12-14 lf	D	10.56 ml/mx					
1	9 Roundup WeatherMax	4.5	L	22	oz/a	1-2 lf	В	11.61 ml/mx	119	219	319	419	
	Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx					
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					
2	0 Roundup WeatherMax	4.5	L	22	oz/a	6-8 lf	С	11.61 ml/mx	120	220	320	420	
	Roundup WeatherMax	4.5	L	22	oz/a	12-14 lf	D	11.61 ml/mx					

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
66.671	ml	Prowl H20 3.8 EC	
754.858	ml	Roundup WeatherMax 4.5 L	
19.193	ml	Prowl 3.3 EC 3.3 EC	
84.451	ml	Surflan 4 AS	
42.225	ml	Dual Magnum 7.62 L	
57.580	ml	Prowl 3.3 3.3 EC	
13.195	ml	Direx 4 L	

'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).
Product amount calculations increased 25 % for overage adjustment.

### **Trial Comments**

OBJECTIVE: Evaluate cotton and weed response to Flex cotton treated with mixtures of Roundup plus Prowl H20, Prowl 3.3 EC, Dual Magnum and Surflan.

COTTON RESPONSE:

1. Heavy rains occurred immediately after planting on a soil with 95% sand and only 0.67% organic matter, thus injury was expected from PRE applications.

2. At 18 day after planting, Surflan and Dual caused significant injury when applied PRE (24-36%). Injury from Prowl H20 and Prowl 3.3 was 12 and 6% respectively.

3. Cotton injury from PRE applications of Surflan and Dual were evident for over a month after planting.

4. Injury from POST applications was less than expected on the early timings with injury 17% or less. Injury from Surflan mixtures tended to be more injurious at each application timing.

5. Severe injury occurred with Direx was applied topically (37%).

6. Applications of Prowl H20, Prowl 3.3 EC or Dual Magnum were less than 10% when applied over 6-8 or 11-12 leaf cotton.

#### WEED RESPONSE:

Palmer amaranth and large crabgrass:

1. Both species were controlled effectively even in the glyphosate only systems.

#### Florida pusley:

1. When applied PRE, Surflan was the most effective option at 24 and 35 DAT. Similar trends were also noted when applied POST.

2. At season's end, greater than 90% control was noted in systems including Surflan applied over 1-2 leaf cotton, 6-8 leaf cotton, or 11-12 leaf cotton, Prowl H20 applied overtop of 11-12 leaf cotton, and when Direx was applied overtop of 11-12 leaf cotton.

#### GENERAL COMMENTS:

1. Gramoxone at 1.5 pt/A plus NIS was applied on April 15 to control emerged weeds (light population).

	RR Flex cotton response to WeatherMax mixed with Prowl 3.3, Prowl H20, Surflan,											
	KK FIEX CC	,	тевро	lise co we		1 Magnum.	II FIOWI 5	. <i>5,</i> FIOWI	HZU, SUI			
Tri	al ID: C12-05				-	Culpeppe						
Loc	ation: Jones Farm			Inve	stigator:	Stanley	Culpepper					
	ed Code								AMAPA	AMAPA		
	p Code			GOSHI	GOSHI		GOSHI	GOSHI	()	t I		
	ing Data Type ing Unit			injury percent			injury	injury	control percent	control percent		
	ing Date			May-13-05		May-24-05		percent Jun-27-05	May-13-05			
	Eval Interval			30 DA-A	36 DA-A		57 DA-A	75 DA-A	30 DA-A	41 DA-A		
Trt	Treatment		Rate									
No.	Name	Rate	Unit	1	2	3	4	5	6	7		
1	Prowl H20	0.75	lb ai/a	6	1	1	0	0	97	93		
	Roundup WeatherMax		oz/a									
	Roundup WeatherMax		oz/a									
2	Prowl 3.3 EC		lb ai/a	12	5	2	0	2	99	80		
	Roundup WeatherMax Roundup WeatherMax		oz/a oz/a									
2	Surflan		lb ai/a	37	28	25	9	9	100	97		
3	Roundup WeatherMax	-	oz/a	57	20	20	9	9	100	97		
	Roundup WeatherMax		oz/a									
4	Dual Magnum	1	pt/a	25	15	20	11	3	99	97		
	Roundup WeatherMax	22	oz/a									
	Roundup WeatherMax	22	oz/a									
5	Non-treated			0	0	0	0	0	0	0		
6	Roundup WeatherMax		oz/a	0	5	10	8	4	0	99		
	Prowl H20		lb ai/a									
	Roundup WeatherMax Roundup WeatherMax		oz/a oz/a									
7	Roundup WeatherMax		oz/a	0	2	8	15	2	0	99		
	Prowl 3.3		lb ai/a	-	2	0	15	2	0	33		
	Roundup WeatherMax		oz/a									
	Roundup WeatherMax	22	oz/a									
8	Roundup WeatherMax		oz/a	0	10	14	5	5	0	99		
	Surflan		lb ai/a									
	Roundup WeatherMax		oz/a									
_	Roundup WeatherMax		oz/a	0	0	0	0	2	0	00		
9	Roundup WeatherMax Dual Magnum		oz/a pt/a	0	0	8	2	3	0	99		
1	Roundup WeatherMax		oz/a									
Í	Roundup WeatherMax		oz/a									
10	Roundup WeatherMax	22	oz/a	0	0	0	1	2	0	99		
1	Prowl H20	0.75	lb ai/a									
1	Roundup WeatherMax		oz/a									
	Roundup WeatherMax		oz/a					4.0				
11	Roundup WeatherMax Prowl 3.3		oz/a Ib ai/a	0	0	0	5	10	0	99		
Í	Roundup WeatherMax		oz/a									
1	Roundup WeatherMax		oz/a									
12	Roundup WeatherMax		oz/a	0	0	0	13	17	0	99		
	Surflan		lb ai/a	-	-	-	-		-			
1	Roundup WeatherMax		oz/a									
I	Roundup WeatherMax		oz/a									
13	Roundup WeatherMax		oz/a	0	0	0	5	6	0	99		
1	Dual Magnum Roundup WeatherMax		pt/a									
Í	Roundup WeatherMax Roundup WeatherMax		oz/a oz/a									
I	Realized Modulerinax	~~	544	Į							J	

		_				_		
Weed Code							AMAPA	AMAPA
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		
Rating Data Type		injury	injury	injury	injury	injury	control	control
Rating Unit		percent						
Rating Date		May-13-05	May-19-05	May-24-05	Jun-09-05	Jun-27-05	May-13-05	May-24-05
Trt-Eval Interval		30 DA-A	36 DA-A	41 DA-A	57 DA-A	75 DA-A	30 DA-A	41 DA-A
Trt Treatment	Rate							
No. Name	Rate Unit	1	2	3	4	5	6	7
14 Roundup WeatherMax	22 oz/a	0	0	0	0	3	0	99
Roundup WeatherMax	22 oz/a							
Roundup WeatherMax	22 oz/a							
	0.75 lb ai/a							
15 Roundup WeatherMax	22 oz/a	0	0	0	1	7	0	99
Roundup WeatherMax	22 oz/a	Ũ	C C	Ū.			Ū.	
Roundup WeatherMax	22 oz/a							
	0.75 lb ai/a							
16 Roundup WeatherMax	22 oz/a	0	0	0	2	15	0	99
Roundup WeatherMax	22 oz/a	0	0	0	2	10	Ŭ	
Roundup WeatherMax	22 oz/a							
Surflan	1 lb ai/a							
17 Roundup WeatherMax	22 oz/a	0	0	0	3	8	0	99
Roundup WeatherMax	22 oz/a 22 oz/a	0	0	0	5	0	0	
Roundup WeatherMax	22 oz/a							
Dual Magnum	1 pt/a							
18 Roundup WeatherMax	22 oz/a	0	0	0	0	37	0	99
Roundup WeatherMax	22 02/a 22 oz/a	0	0	0	0	57	0	99
Roundup WeatherMax	22 oz/a 22 oz/a							
•	1.25 pt/a							
	-		-		-			00
19 Roundup WeatherMax	22 oz/a	0	0	0	0	0	0	99
Roundup WeatherMax	22 oz/a							
Roundup WeatherMax	22 oz/a					· · · · ·		
20 Roundup WeatherMax	22 oz/a	0	0	0	0	0	0	0
Roundup WeatherMax	22 oz/a							
LSD (P=.05)		3.8	5.5	6.1	7.1	5.9	1.1	8.9
Standard Deviation		2.7	3.9	4.3	5.0	4.2	0.8	6.3
CV		69.07	117.9	98.05	127.82	63.61	4.09	7.17

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

	•••••			eorgia	A		
Weed Code	AMAPA	DIGSA	DIGSA	DIGSA	RCHSC	RCHSC	RCHSC
Crop Code							
Rating Data Type	control	control		control		control	control
Rating Unit	percent	percent		percent		percent	percent
Rating Date			Jun-27-05		May-13-05	May-24-05	Jun-14-05
Trt-Eval Interval	75 DA-A	30 DA-A	75 DA-A	142 DA-A	30 DA-A	41 DA-A	62 DA-A
Trt Treatment Rate		0	40		10	40	
No. Name Rate Unit	8	9	10	11	12	13	14
1 Prowl H20 0.75 lb ai/a	99	98	99	95	91	61	51
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a	00	00		00		77	50
2 Prowl 3.3 EC 0.75 lb ai/a Roundup WeatherMax 22 oz/a	99	99	99	96	90	77	59
Roundup WeatherMax 22 oz/a							
3 Surflan 1.0 lb ai/a	99	100	99	98	100	95	85
Roundup WeatherMax 22 oz/a	99	100	99	90	100	90	00
Roundup WeatherMax 22 oz/a							
4 Dual Magnum 1 pt/a	99	99	99	86	89	70	71
Roundup WeatherMax 22 oz/a		55	55	00	00	10	, ,
Roundup WeatherMax 22 oz/a							
5 Non-treated	0	0	0	0	0	0	0
6 Roundup WeatherMax 22 oz/a	99	0	99	94	0	97	84
Prowl H20 0.75 lb ai/a	00	Ū	55	54	Ū	57	04
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
7 Roundup WeatherMax 22 oz/a	93	0	99	93	0	96	71
Prowl 3.3 0.75 lb ai/a							
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
8 Roundup WeatherMax 22 oz/a	99	0	99	97	0	99	93
Surflan 1 lb ai/a							
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
9 Roundup WeatherMax 22 oz/a	92	0	99	94	0	93	74
Dual Magnum 1 pt/a							
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a				07			
10 Roundup WeatherMax 22 oz/a	98	0	99	97	0	93	86
Prowl H20 0.75 lb ai/a Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
11 Roundup WeatherMax 22 oz/a	99	0	99	98	0	94	92
Prowl 3.3 0.75 lb ai/a	33	U	33	30	U	34	32
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
12 Roundup WeatherMax 22 oz/a	99	0	99	97	0	93	95
Surflan 1 lb ai/a		Ŭ			Ŭ		
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
13 Roundup WeatherMax 22 oz/a	99	0	99	96	0	97	93
Dual Magnum 1 pt/a							
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
14 Roundup WeatherMax 22 oz/a	99	0	99	98	0	95	71
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a Prowl H20 0.75 lb ai/a							
Urow(100) () 75 lb oi/o							

	_			<u> </u>			
Weed Code	AMAPA	DIGSA	DIGSA	DIGSA	RCHSC	RCHSC	RCHSC
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	Jun-27-05	May-13-05	Jun-27-05	Sep-02-05	May-13-05	May-24-05	Jun-14-05
Trt-Eval Interval	75 DA-A	30 DA-A	75 DA-A	142 DA-A	30 DA-A	41 DA-A	62 DA-A
Trt Treatment Rat							
No. Name Rate Uni	8	9	10	11	12	13	14
15 Roundup WeatherMax 22 oz/a	99	0	99	97	0	96	59
Roundup WeatherMax 22 oz/a							
Roundup WeatherMax 22 oz/a							
Prowl 3.3 0.75 lb a	′a						
16 Roundup WeatherMax 22 oz/a	99	0	99	97	0	95	68
Roundup WeatherMax 22 oz/a					-		
Roundup WeatherMax 22 oz/a							
Surflan 1 lb a	′a						
17 Roundup WeatherMax 22 oz/a	99	0	99	96	0	96	52
Roundup WeatherMax 22 oz/a	00	Ű	00	00	Ű	00	02
Roundup WeatherMax 22 oz/a							
Dual Magnum 1 pt/a							
18 Roundup WeatherMax 22 oz/a	99	0	99	98	0	97	54
Roundup WeatherMax 22 oz/a	00	Ű	00	00	Ű	01	01
Roundup WeatherMax 22 oz/a							
Direx 1.25 pt/a							
19 Roundup WeatherMax 22 oz/a	99	0	99	99	2	95	59
Roundup WeatherMax 22 oz/a	55	J J			-	55	00
Roundup WeatherMax 22 oz/a							
20 Roundup WeatherMax 22 oz/a	96	0	99	95	0	0	53
Roundup WeatherMax 22 oz/a	50	0	33	30	0	0	55
LSD (P=.05)	4.1	0.7	0.0	74	3.3	10.0	22.9
LSD (P=.05) Standard Deviation	4.1 2.9	0.7	0.0 0.0	7.1 5.0	3.3 2.4	12.3 8.7	22.9 16.2
CV	2.9	0.5 2.44	0.0	5.0 5.52	2.4 12.66	0.7 10.59	23.69
	3.1	2.44	0.0	0.02	12.00	10.59	20.09

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

					reisity
	ed Code			RCHSC	RCHSC
	o Code				
	ng Data Type			control	control
	ng Unit			percent	percent
	ng Date			Jun-27-05	Sep-02-05
Trt-E	Eval Interval			75 DA-A	142 DA-A
Trt	Treatment		Rate		
No.	Name	Rate	Unit	15	16
1	Prowl H20	0.75	lb ai/a	87	56
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
2	Prowl 3.3 EC	0.75	lb ai/a	92	80
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax	22	oz/a		
3	Surflan	1.0	lb ai/a	92	74
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax	22	oz/a		
4	Dual Magnum		pt/a	91	76
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax	22	oz/a		
5	Non-treated			0	0
6	Roundup WeatherMax	22	oz/a	91	81
	Prowl H20	0.75	lb ai/a		
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
7	Roundup WeatherMax	22	oz/a	91	75
	Prowl 3.3	0.75	lb ai/a		
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
8	Roundup WeatherMax		oz/a	93	90
	Surflan		lb ai/a		
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax		oz/a		
9	Roundup WeatherMax		oz/a	90	71
	Dual Magnum		pt/a		
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax		oz/a		
10	Roundup WeatherMax		oz/a	94	73
	Prowl H20		lb ai/a		
	Roundup WeatherMax		oz/a oz/a		
44	Roundup WeatherMax			0.4	00
11	Roundup WeatherMax		oz/a	94	82
	Prowl 3.3 Roundup WeatherMax		lb ai/a oz/a		
	Roundup WeatherMax		oz/a		
10				07	04
12	Roundup WeatherMax Surflan		oz/a Ib ai/a	97	94
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax		oz/a		
13	Roundup WeatherMax		oz/a	93	86
13	Dual Magnum		oz/a pt/a	93	00
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax		oz/a		
14	Roundup WeatherMax		oz/a	99	96
	Roundup WeatherMax		oz/a		00
	Roundup WeatherMax		oz/a		
	Prowl H20		lb ai/a		
				8	

					<u> </u>
Wee	ed Code			RCHSC	RCHSC
Cro	p Code				
Rati	ng Data Type			control	control
Rati	ng Unit			percent	percent
	ng Date			Jun-27-05	Sep-02-05
Trt-E	Eval Interval			75 DA-A	142 DA-A
Trt	Treatment		Rate		
No.	Name	Rate	Unit	15	16
15	Roundup WeatherMax	22	oz/a	98	83
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
	Prowl 3.3	0.75	lb ai/a		
16	Roundup WeatherMax	22	oz/a	97	94
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
	Surflan	1	lb ai/a		
17	Roundup WeatherMax	22	oz/a	93	75
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax	22	oz/a		
	Dual Magnum	1	pt/a		
18	Roundup WeatherMax	22	oz/a	96	91
	Roundup WeatherMax	22	oz/a		
	Roundup WeatherMax		oz/a		
	Direx	1.25	pt/a		
19	Roundup WeatherMax		oz/a	89	69
	Roundup WeatherMax		oz/a		
	Roundup WeatherMax	22	oz/a		
20	Roundup WeatherMax	22	oz/a	80	51
	Roundup WeatherMax	22	oz/a		
LSD	) (P=.05)			6.8	15.0
	ndard Deviation			4.8	10.6
CV				5.47	14.21

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

Mar-03-06 (C12-05)

Site Description Page 10 of 12

### **University of Georgia**

	RR F	lex cotton response	e to WeatherMax mixed with Prowl 3.3,	Prowl H20, Surflan,
			or Dual Magnum.	
Trial ID: C	12-05	ذ	Study Dir.: Culpepper	
Location: J	ones	Farm	Investigator: Stanley Culpepper	
		GENERAL 7	IRIAL INFORMATION	
Study Direc	tor:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation	:	Univ. of Georgia		
Postal Code	:	31794		
-		Stanley Culpepper	Title: Ext. Weed	Science
Affiliation	:	Univ. of Georgia		
Postal Code	:	31794		
		TRI	IAL LOCATION	
City:	Tif	iton	Trial Status:	
State/Prov.	: GA			fair
Postal Code				Apr-19-05
Country:			Planned Completion Date:	
-			N-Latitude of LL Corner °:	
Altitude of	LL (	Corner: Uni	it: Angle y-axis to North °:	
Directions:				
		COOPEF	RATOR/LANDOWNER	
Cooperator:			Country:	
Org:				
Address 1:				
Address 2:				
City:				
Postal Code	:			
Conducted U	nder	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.	AMAPA	Palmer amaranth	
2.	DIGSA	large crabgrass	
3.	RCHSC	Florida pusley	

Crop 1: GOSHI cotton		Variety: RR Flex	from Monsanto
Planting Date: Apr-19-05	Planting Metho	<b>d:</b> hill drop	
<b>Rate:</b> 2 8 in	<b>Depth:</b> 0.5 in	Perennial Age:	
Row Spacing: 36 inch	Spacing Within Row:	Seed Bed: fl	lat
Soil Temperature: 74 F	Soil Moisture: moist	Emergence Date:	: Apr-25-05
	SITE AND DESIGN		
Plot Width, Unit: 6 F	T Plot Length, Unit:	25 FT <b>Reps:</b>	4
Site Type: Jones farm			
Tillage Type: Conservation	n tillage Study Design:	RANDOMIZED COMPLETE	BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

#### MAINTENANCE

Field Prep./Maintenance:

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

% Sand:	95	% OM:	0.67
% Silt:	2	pH:	5.8
% Clay:	3	CEC:	

SOIL DESCRIPTION Texture: sand Soil Name: Tifton sandy loam

<b>y:</b> 3	CEC:	I	Fert. Level	l:
		ADDITIONAL	MEASURED	ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS	
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	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

### Overall Moisture Conditions: irrigated Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_ Unit: \_\_\_

	APPLICATION DESCRIPTION							
	ž	A		в		C		D
Application Date:	Apr-2	19-05	May-	-13-05	May-	30-05	Jun-	14-05
Time of Day:	10 ar	n	8 an	n	9 am	l	7 pm	
Application Method:	broad	lcast	broa	adcast	broa	dcast	broa	dcast
Application Timing:	PRE		1-2	lf	6-8	lf	11-1	2 lf
Applic. Placement:	soil	/cove	over	rtop	over	top	over	top
Air Temp., Unit:	74	F	74	F	82	F	100	F
% Relative Humidity:	54		66		49		67	
Wind Velocity, Unit:	2	mph	0	mph	2	mph	2	mph
Dew Presence (Y/N):	n		n		n		n	
Water Hardness:								
Soil Temp., Unit:	77	F	68	F	84	F	98	F
Soil Moisture:	moist	t	mois	st	dry		wet	
<pre>% Cloud Cover:</pre>	0		0		90		0	

### CROP STAGE AT EACH APPLICATION

	A	В	С	D
Crop 1 Code, Stage:	GOSHI PRE	GOSHI 1-2 lf	GOSHI 6-8 lf	GOSHI 11-12 lf
Stage Scale:	not up	1 leaf	6 leaf	11 leaf
Height, Unit:	0 inch	1.5 inch	7 inch	15 inch

WEED	STAGE	AT	EACH	APPLICATION
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	A	В	С	D
Weed 1 Code, Stage:	AMAPA PRE	AMAPA 1-2 lf	AMAPA 6-8 lf	AMAPA 11-12 lf
Stage Scale:	not up	<1 in	< 8 in	< 2 in
Density, Unit:	0 ydsq	5 ydsq	5 ydsq	5 ydsq
Weed 2 Code, Stage:	DIGSA PRE	DIGSA 1-2 lf	DIGSA 6-8 lf	DIGSA 11-12 lf
Stage Scale:	not up	<1 in	< 5 in	< 2 in
Density, Unit:	0 ydsq	5 ydsq	10 ydsq	8 ydsq
Weed 3 Code, Stage:	RCHSC PRE	RCHSC 1-2 lf	RCHSC 6-8 lf	RCHSC 11-12 lf
Stage Scale:	not up	<1 in	< 4 in	< 2 in
Density, Unit:	0 ydsq	5 ydsq	5 ydsq	5 ydsq

#### APPLICATION EQUIPMENT

	А		В		C		D	
Appl. Equipment:	back	pack	backp	backpack		backpack		pack
Operating Pressure:	23		23		23		23	
Nozzle Type:	flat	fan	flat	fan	flat	fan	flat	fan
Nozzle Size:	11002	2	11002	2	1100	2	1100	2
Nozzle Spacing, Unit:	18	inch	18	inch	18	inch	18	inch
Nozzles/Row:								
Band Width, Unit:								
Boom Length, Unit:	4.5	feet	4.5	feet	4.5	feet	4.5	feet
Boom Height, Unit:	15	inch	15	inch	15	inch	15	inch
Ground Speed, Unit:	3	mph	3	mph	3	mph	3	mph
Incorporation Equip.:								
Hours to Incorp.:								
Incorp. Depth, Unit:								
Carrier:	water	<u></u>	water	r	wate	r	wate	r
Spray Volume, Unit:	14.8	GPA	14.8	GPA	14.8	GPA	14.8	GPA
Spray pH:								
Propellant:	CO2		CO2		C02		CO2	
Tank Mix (Y/N):	Y		Y		Y		Y	

Trt No	Treatment Application Comment