

University of Georgia

**RR cotton response to WeatherMax mixed with Prowl 3.3, Prowl H20, Surflan,
or Dual Magnum.**

Trial ID: C50-05

Study Dir.: Culpepper

Location: Attapulgus

Investigator: Stanley Culpepper

Reps: 3

Plots: 9 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .86814)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	
1	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	101	213	309
	Prowl H20	3.8	EC	0.75	lb ai/a	1-2	lf	A	13.33 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
2	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	102	211	313
	Prowl 3.3	3.3	EC	0.75	lb ai/a	1-2	lf	A	15.35 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
3	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	103	201	310
	Surflan	4	AS	1	lb ai/a	1-2	lf	A	16.89 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
4	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	104	208	301
	Dual Magnum	7.62	L	1	pt/a	1-2	lf	A	8.445 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
5	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	105	210	312
	Prowl H20	3.8	EC	0.75	lb ai/a	5	lf	B	13.33 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
6	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	106	214	305
	Prowl 3.3	3.3	EC	0.75	lb ai/a	5	lf	B	15.35 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
7	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	107	206	314
	Surflan	4	AS	1	lb ai/a	5	lf	B	16.89 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
8	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	108	212	306
	Dual Magnum	7.62	L	1	pt/a	5	lf	B	8.445 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				
9	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	109	204	303
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	12-14	lf	D	11.61 ml/mx			
	Prowl H20	3.8	EC	0.75	lb ai/a	12-14	lf	D	13.33 ml/mx			
10	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	110	207	311
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	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			
11	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	111	203	308
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	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			
12	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	112	205	304
	Roundup WeatherMax	4.5	L	22	oz/a	6-8	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	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			
13	Roundup WeatherMax	4.5	L	22	oz/a	1-2	lf	A	11.61 ml/mx	113	202	307
	Roundup WeatherMax	4.5	L	22	oz/a	5	lf	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	PDIR	C	11.61 ml/mx				

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Reps: 3 Plots: 9 by 25 feet
 Spray vol: 14.8 gal/ac Mix size: 1 liters (min .86814)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep		
										1	2	3
14	Roundup WeatherMax	4.5	L	22	oz/a	1-2	If	A	11.61 ml/mx	114	209	302
	Roundup WeatherMax	4.5	L	22	oz/a	5	If	B	11.61 ml/mx			
	Roundup WeatherMax	4.5	L	22	oz/a	12-14		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
609.693	ml	Roundup WeatherMax 4.5 L	
50.004	ml	Prowl H20 3.8 EC	
57.580	ml	Prowl 3.3 3.3 EC	
63.338	ml	Surflan 4 AS	
31.669	ml	Dual Magnum 7.62 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 response to topical applications of Prowl H20, Prowl 3.3 EC, Surflan, and Dual Magnum in mixture with glyphosate.

VISUAL COTTON RESPONSE:

1. Visual injury (chlorosis/necrosis) was insignificant from Dual or Prowl H20 mixtures, regardless of application timing.
2. Injury from Prowl 3.3 and Surflan was often greater than 10% regardless of application timing. Cotton did visually recover.

PLANT HEIGHTS:

1. Ten plants from each plot were measured.
2. Averaged over 10 plants at 8 and 38 d after the LPD application, treatments including residual herbicides did not impact heights compared to glyphosate applied alone.

SEED COTTON YIELDS:

1. Prowl 3.3 EC mixed with glyphosate and applied to 1- or 5-leaf cotton REDUCED cotton yield compared to glyphosate alone.
2. No trends for negative impacts on cotton yield were noted with Prowl H20 or Dual Magnum mixtures.
3. Yields from cotton treated with Surflan were not statistically impacted, however, yields were all less than 3000 lb/A of seed cotton.
4. Late-topical applications of glyphosate did not statistically impact yields which is often the case if applications are made after 10 leaf cotton.

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**RR cotton response to WeatherMax mixed with Prowl 3.3, Prowl H20, Surflan,
or Dual Magnum.**

Trial ID: C50-05

Study Dir.: Culpepper

Location: Attapulcus

Investigator: Stanley Culpepper

Weed Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	plant 1	plant 2	plant 3
Crop Code			injury	injury	injury	injury	injury	ht	ht	ht
Rating Data Type			percent	percent	percent	percent	percent	cm	cm	cm
Rating Unit										
Rating Date			Jun-24-05	Jul-18-05	Aug-03-05	Aug-03-05	Sep-03-05	Jul-26-05	Jul-26-05	Jul-26-05
Trt-Eval Interval			8 DA-A	32 DA-A	48 DA-A	48 DA-A	79 DA-A	40 DA-A	40 DA-A	40 DA-A
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	1	2	3	4	5	6	7	8
		Unit								
1	Roundup WeatherMax Prowl H20	22 oz/a 0.75 lb ai/a	5	3	5	0	0	53	60	59
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
2	Roundup WeatherMax Prowl 3.3	22 oz/a 0.75 lb ai/a	8	15	12	0	0	52	55	53
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
3	Roundup WeatherMax Surflan	22 oz/a 1 lb ai/a	12	11	6	0	0	56	54	55
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
4	Roundup WeatherMax Dual Magnum	22 oz/a 1 pt/a	3	0	0	0	0	59	62	61
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
5	Roundup WeatherMax Prowl H20	22 oz/a 0.75 lb ai/a	0	3	2	0	0	60	62	64
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
6	Roundup WeatherMax Prowl 3.3	22 oz/a 0.75 lb ai/a	0	24	12	7	0	50	49	51
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
7	Roundup WeatherMax Surflan	22 oz/a 1 lb ai/a	0	11	7	0	0	53	43	52
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
8	Roundup WeatherMax Dual Magnum	22 oz/a 1 pt/a	0	1	7	3	0	59	62	62
	Roundup WeatherMax Roundup WeatherMax	22 oz/a 22 oz/a								
9	Roundup WeatherMax Roundup WeatherMax Roundup WeatherMax Prowl H20	22 oz/a 22 oz/a 22 oz/a 0.75 lb ai/a	0	5	3	2	0	61	62	64
10	Roundup WeatherMax Roundup WeatherMax Roundup WeatherMax Prowl 3.3	22 oz/a 22 oz/a 22 oz/a 0.75 lb ai/a	0	14	4	4	0	62	63	67
11	Roundup WeatherMax Roundup WeatherMax Roundup WeatherMax Surflan	22 oz/a 22 oz/a 22 oz/a 1 lb ai/a	0	14	11	9	0	64	63	62

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Weed Code						plant 1	plant 2	plant 3				
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI						
Rating Data Type		injury	injury	injury	injury	injury	ht	ht	ht			
Rating Unit		percent	percent	percent	percent	percent	cm	cm	cm			
Rating Date		Jun-24-05	Jul-18-05	Aug-03-05	Aug-03-05	Sep-03-05	Jul-26-05	Jul-26-05	Jul-26-05			
Trt-Eval Interval		8 DA-A	32 DA-A	48 DA-A	48 DA-A	79 DA-A	40 DA-A	40 DA-A	40 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8	
12	Roundup WeatherMax	22	oz/a	0	3	4	0	0	55	60	57	
	Roundup WeatherMax	22	oz/a									
	Roundup WeatherMax	22	oz/a									
	Dual Magnum	1	pt/a									
13	Roundup WeatherMax	22	oz/a	0	0	0	0	0	61	62	62	
	Roundup WeatherMax	22	oz/a									
	Roundup WeatherMax	22	oz/a									
14	Roundup WeatherMax	22	oz/a	0	0	0	0	0	54	54	56	
	Roundup WeatherMax	22	oz/a									
	Roundup WeatherMax	22	oz/a									
LSD (P=.05)		2.3		7.3		6.6		5.3	0.0	12.9	13.9	11.6
Standard Deviation		1.4		4.3		4.0		3.2	0.0	7.7	8.3	6.9
CV		69.57		58.16		76.55		175.79	0.0	13.48	14.31	11.77

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

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Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	Avg.10pl			
Crop Code											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Jul-26-05	Jul-26-05	Jul-26-05	Jul-26-05	Jul-26-05	Jul-26-05	Jul-26-05	Jul-26-05			
Trt-Eval Interval	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A			
ARM Action Codes								T1			
# Subsamples, Dec.								1			
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
13	Roundup WeatherMax	22	oz/a	63	60	66	67	65	64	66	63.5
	Roundup WeatherMax	22	oz/a								
	Roundup WeatherMax	22	oz/a								
14	Roundup WeatherMax	22	oz/a	55	58	58	59	60	58	57	56.7
	Roundup WeatherMax	22	oz/a								
	Roundup WeatherMax	22	oz/a								
LSD (P=.05)				12.6	12.9	14.0	13.5	12.3	14.5	14.1	11.10
Standard Deviation				7.5	7.7	8.4	8.0	7.3	8.7	8.4	6.61
CV				12.72	12.94	13.89	13.19	12.29	14.48	13.88	11.14

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

Column 16: T1 = @AVG([C6],[C15])

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Weed Code			plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Crop Code									
Rating Data Type			ht	ht	ht	ht	ht	ht	ht
Rating Unit			cm	cm	cm	cm	cm	cm	cm
Rating Date			Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05
Trt-Eval Interval			61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate Unit	17	18	19	20	21	22	23
1	Roundup WeatherMax	22 oz/a	74	78	74	81	79	76	79
	Prowl H20	0.75 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
2	Roundup WeatherMax	22 oz/a	79	74	73	66	69	69	67
	Prowl 3.3	0.75 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
3	Roundup WeatherMax	22 oz/a	75	69	71	72	71	71	68
	Surflan	1 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
4	Roundup WeatherMax	22 oz/a	82	83	79	80	80	86	82
	Dual Magnum	1 pt/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
5	Roundup WeatherMax	22 oz/a	87	88	86	83	81	76	79
	Prowl H20	0.75 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
6	Roundup WeatherMax	22 oz/a	80	78	82	80	76	69	64
	Prowl 3.3	0.75 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
7	Roundup WeatherMax	22 oz/a	81	79	81	73	64	71	73
	Surflan	1 lb ai/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
8	Roundup WeatherMax	22 oz/a	82	82	77	76	82	82	82
	Dual Magnum	1 pt/a							
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
9	Roundup WeatherMax	22 oz/a	85	84	83	82	82	84	81
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
	Prowl H20	0.75 lb ai/a							
10	Roundup WeatherMax	22 oz/a	81	85	85	84	87	86	79
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
	Prowl 3.3	0.75 lb ai/a							
11	Roundup WeatherMax	22 oz/a	85	84	83	84	82	79	80
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
	Surflan	1 lb ai/a							
12	Roundup WeatherMax	22 oz/a	75	83	80	80	79	81	78
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
	Dual Magnum	1 pt/a							

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			plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Weed Code									
Crop Code									
Rating Data Type			ht	ht	ht	ht	ht	ht	ht
Rating Unit			cm	cm	cm	cm	cm	cm	cm
Rating Date			Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05
Trt-Eval Interval			61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A	61 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate Unit	17	18	19	20	21	22	23
13	Roundup WeatherMax	22 oz/a	84	84	82	77	78	79	80
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
14	Roundup WeatherMax	22 oz/a	73	70	70	69	63	68	71
	Roundup WeatherMax	22 oz/a							
	Roundup WeatherMax	22 oz/a							
LSD (P=.05)			14.0	11.8	12.2	14.3	14.1	14.4	14.3
Standard Deviation			8.4	7.0	7.3	8.5	8.4	8.5	8.5
CV			10.43	8.8	9.21	10.95	10.95	11.11	11.25

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

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Weed Code	plant 8	plant 9	plant 10	Avg10pla	GOSHI	GOSHI			
Crop Code					seed yld	YIELD			
Rating Data Type	ht	ht	ht	ht	lb/plot	LB			
Rating Unit	cm	cm	cm	cm					
Rating Date	Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Oct-21-05	Oct-21-05			
Trt-Eval Interval	61 DA-A	61 DA-A	61 DA-A	61 DA-A					
ARM Action Codes				T2		TY3			
# Subsamples, Dec.				1		1			
Trt No.	Treatment Name	Rate	Unit	24	25	26	27	28	29
1	Roundup WeatherMax	22	oz/a	75	75	75	76.6	11	3329.9
	Prowl H20	0.75	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
2	Roundup WeatherMax	22	oz/a	65	69	71	70.2	9	2491.6
	Prowl 3.3	0.75	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
3	Roundup WeatherMax	22	oz/a	70	67	72	70.6	10	2967.9
	Surflan	1	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
4	Roundup WeatherMax	22	oz/a	83	80	76	81.0	11	3310.6
	Dual Magnum	1	pt/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
5	Roundup WeatherMax	22	oz/a	79	79	79	81.7	11	3115.0
	Prowl H20	0.75	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
6	Roundup WeatherMax	22	oz/a	71	68	69	73.8	9	2540.0
	Prowl 3.3	0.75	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
7	Roundup WeatherMax	22	oz/a	74	70	70	73.6	10	2884.6
	Surflan	1	lb ai/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
8	Roundup WeatherMax	22	oz/a	79	80	84	80.7	10	2996.9
	Dual Magnum	1	pt/a						
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
9	Roundup WeatherMax	22	oz/a	78	83	77	81.8	11	3165.4
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
	Prowl H20	0.75	lb ai/a						
10	Roundup WeatherMax	22	oz/a	82	82	84	83.6	11	3273.8
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
	Prowl 3.3	0.75	lb ai/a						
11	Roundup WeatherMax	22	oz/a	79	85	83	82.3	10	2957.2
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
	Surflan	1	lb ai/a						
12	Roundup WeatherMax	22	oz/a	77	80	77	79.0	11	3099.5
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
	Dual Magnum	1	pt/a						

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Weed Code		plant 8	plant 9	plant 10	Avg10pla				
Crop Code						GOSHI	GOSHI		
Rating Data Type		ht	ht	ht	ht	seed yld	YIELD		
Rating Unit		cm	cm	cm	cm	lb/plot	LB		
Rating Date		Aug-16-05	Aug-16-05	Aug-16-05	Aug-16-05	Oct-21-05	Oct-21-05		
Trt-Eval Interval		61 DA-A	61 DA-A	61 DA-A	61 DA-A				
ARM Action Codes					T2		TY3		
# Subsamples, Dec.					1		1		
Trt No.	Treatment Name	Rate	Unit	24	25	26	27	28	29
13	Roundup WeatherMax	22	oz/a	80	77	78	79.8	11	3080.2
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
14	Roundup WeatherMax	22	oz/a	70	65	65	68.4	10	2764.6
	Roundup WeatherMax	22	oz/a						
	Roundup WeatherMax	22	oz/a						
LSD (P=.05)		11.8	13.1	11.2	11.04	1.6	453.91		
Standard Deviation		7.0	7.8	6.7	6.58	0.9	270.39		
CV		9.29	10.29	8.85	8.5	9.02	9.02		

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

Column 27: T2 = @AVG([C17].[C26])

Column 29: TY3 = 290.4*[28]

University of Georgia

**RR cotton response to WeatherMax mixed with Prowl 3.3, Prowl H20, Surflan,
or Dual Magnum.**

Trial ID: C50-05

Study Dir.: Culpepper

Location: Attapulgus

Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper
Affiliation: Univ. of Georgia
Postal Code: 31794

Title: Ext. Weed Science

Investigator: Stanley Culpepper
Affiliation: Univ. of Georgia
Postal Code: 31794

Title: Ext. Weed Science

TRIAL LOCATION

City: TyTy **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: 31794 **Initiation Date:** Jun-06-05
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:** DP 555 B/RR
Planting Date: Jun-06-05 **Planting Method:** conventional
Rate: 3 ft **Depth:** 0.5 in **Perennial Age:** _____
Row Spacing: 36 inch **Spacing Within Row:** 4 in **Seed Bed:** flat
Soil Temperature: 72 F **Soil Moisture:** irrigated **Emergence Date:** Jun-10-05

SITE AND DESIGN

Plot Width, Unit: 9 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: Attapulgus research station
Tillage Type: conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 84 % OM: 1.3 Texture: loamy sand
 % Silt: 8 pH: 5.9 Soil Name: _____
 % Clay: 8 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: irrigated

Closest Weather Station: _____ Distance: _____ Unit: __

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	Jun-16-05	Jun-23-05	Jul-07-05	Jul-18-05
Time of Day:	9 m	8 pm	11 am	8 am
Application Method:	broadcast	broadcast	broadcast	broadcast
Application Timing:	1-2 leaf	5 leaf	12-14lf	LPD
Applic. Placement:	overtop	overtop	overtop	directed
Air Temp., Unit:	79 F	92 F	88 F	84 F
% Relative Humidity:	44	56	50	61
Wind Velocity, Unit:	0 mph	2 mph	3 mph	2 mph
Dew Presence (Y/N):	n	n	n	y
Water Hardness:				
Soil Temp., Unit:	77 F	88 F	87 F	84 F
Soil Moisture:	moist	moist	moist	moist
% Cloud Cover:	0	0	25	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GOSHI 1-2 leaf	GOSHI 5 leaf	GOSHI 12-14lf	GOSHI LPD
Stage Scale:	1 leaf	3-4 leaf	11 leaf	14 leaf
Height, Unit:	1 in	3 inch	14 inch	21 inch

WEED STAGE AT EACH APPLICATION

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

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APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	backpack	backpack	backpack	backpack
Operating Pressure:	23	23	23	18
Nozzle Type:	flat fan	flat fan	flat fan	flat fan
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	18 inch	18 inch	18 inch	12 inch
Nozzles/Row:	2	2	2	3
Band Width, Unit:				
Boom Length, Unit:	4.5 feet	4.5 feet	4.5 feet	2 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	water	water	water
Spray Volume, Unit:	14.8 GPA	14.8 GPA	14.8 GPA	14.8 GPA
Spray pH:				
Propellant:	CO2	CO2	CO2	CO2
Tank Mix (Y/N):	Y	Y	Y	Y

Trt No	Treatment Application Comment