

University of Georgia

Weed Management Systems in RR Flex Cotton.

Trial ID: C18-05
 Location: Ponder (5118)

Study Dir.: Culpepper
 Investigator: Stanley Culpepper

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 Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep			
										1	2	3	4
1	Untreated									101	213	306	412
2	Untreated									102	212	309	401
3	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	103	210	313	402
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
4	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	104	203	316	411
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-3	D	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
5	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	105	216	312	416
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Dual Magnum	7.62	L	1.3	pt/a	POST-2	C	21.96	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
6	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	106	209	315	408
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
	Dual Magnum	7.62	L	1.3	pt/a	POST-4	E	21.96	ml/mx				
7	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	107	204	305	415
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Envoke	75	DF	0.1	oz/a	POST-2	C	0.1012	g/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
8	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	108	205	301	406
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
	Envoke	75	DF	0.1	oz/a	POST-4	E	0.1012	g/mx				
9	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	109	215	303	410
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Staple	85	DF	0.8	oz/a	POST-2	C	0.8096	g/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
10	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	110	214	304	413
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
	Staple	85	DF	0.8	oz/a	POST-4	E	0.8096	g/mx				
11	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx	111	206	311	403
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Staple	85	DF	0.8	oz/a	POST-2	C	0.8096	g/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
	Dual Magnum	7.62	L	1.3	pt/a	POST-4	E	21.96	ml/mx				
12	Prowl	3.3	L	2.4	pt/a	PRE	A	40.54	ml/mx	112	201	307	405
	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
13	Prowl	3.3	L	2.4	pt/a	PRE	A	40.54	ml/mx	113	211	308	404
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				
14	Prowl	3.3	L	2.4	pt/a	PRE	A	40.54	ml/mx	114	207	314	407
	Cotoran	4	L	2	pt/a	PRE	A	33.78	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98	ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98	ml/mx				

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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 Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	4
15	Prowl	3.3	L	2.4	pt/a	PRE	A	40.54 ml/mx	115	202	310	414
	Staple	85	DF	0.8	oz/a	PRE	A	0.8096 g/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98 ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-4	E	29.98 ml/mx				
16	Roundup WeatherMax	4.5	L	21.3	fl oz/a	POST-1	B	22.49 ml/mx	116	208	302	409
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-2	C	29.98 ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	POST-3	D	29.98 ml/mx				
	Roundup WeatherMax	4.5	L	28.4	fl oz/a	PDIR	E	29.98 ml/mx				
	Valor SX	51	DF	1.0	oz/a	PDIR	E	1.012 g/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
1,433.571	ml	Roundup WeatherMax 4.5 L	
82.339	ml	Dual Magnum 7.62 L	
0.253	g	Envoke 75 DF	
4.048	g	Staple 85 DF	
202.681	ml	Prowl 3.3 L	
42.225	ml	Cotoran 4 L	
1.265	g	Valor SX 51 DF	

* '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: Evaluate Roundup Ready Flex systems and determine the need for the layby application to be directed instead of applied topically.

CROP RESPONSE:

- Initial injury from glyphosate + Envoke was severe (41%) when applied to 5-leaf cotton, cotton did visually recover by 21 DAT.
- Glyphosate + Envoke applied to 12 leaf cotton did not visually injure cotton.
- Initial injury from glyphosate + Staple or Dual Magnum applied to 5-leaf cotton was typical ranging from 7 to 15%. Injury was short lived. No injury was noted when applied to 12-leaf cotton.

WEED RESPONSE:

Palmer amaranth:

- All programs provided excellent early season control, good mid-season control, and excellent late-season control.

Texas panicum:

- All programs provided excellent early season control, good mid-season control, and excellent late-season control.

Pitted morningglory:

- Most systems provided good early to mid-season control and excellent control at 14 d after the layby application. However, morningglory continued to emerge late into the season and those programs with Staple, Envoke, or Valor applied at layby tended to be the most effective programs.
- The Cotoran PRE program also provided excellent late-season control even when followed POST by only 2 glyphosate applications.

Florida pusley, Sicklepod, and Florida beggarweed:

- All programs provided excellent control.

SEED YIELD PER ACRE:

- Yield was similar among all treatments with a CV of only 12.82.

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GENERAL COMMENTS:

1. June 2: weeds were less than 4 inches if Roundup was previously applied but up to 24 inches if Roundup had not been applied.

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Weed Code					AMAPA cotton control percent	AMAPA cotton control percent	AMAPA cotton control percent	AMAPA cotton control percent	
Crop Code									
Rating Data Type									
Rating Unit									
Rating Date									
Trt-Eval Interval									
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	Unit						
				1	2	3	4	5	
1	Untreated			0	0	0	0	0	0
2	Untreated			0	0	0	0	0	0
3	Roundup WeatherMax	21.3	fl oz/a	0	0	0	0	88	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
4	Roundup WeatherMax	21.3	fl oz/a	0	0	0	0	90	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
5	Roundup WeatherMax	21.3	fl oz/a	0	15	0	0	89	99
	Roundup WeatherMax	28.4	fl oz/a						
	Dual Magnum	1.3	pt/a						
	Roundup WeatherMax	28.4	fl oz/a						
6	Roundup WeatherMax	21.3	fl oz/a	0	0	0	0	88	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Dual Magnum	1.3	pt/a						
7	Roundup WeatherMax	21.3	fl oz/a	0	41	0	0	90	99
	Roundup WeatherMax	28.4	fl oz/a						
	Envoke	0.1	oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
8	Roundup WeatherMax	21.3	fl oz/a	0	0	0	0	90	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Envoke	0.1	oz/a						
9	Roundup WeatherMax	21.3	fl oz/a	0	7	0	0	90	99
	Roundup WeatherMax	28.4	fl oz/a						
	Staple	0.8	oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
10	Roundup WeatherMax	21.3	fl oz/a	0	0	0	0	90	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Staple	0.8	oz/a						
11	Roundup WeatherMax	21.3	fl oz/a	0	12	0	0	88	99
	Roundup WeatherMax	28.4	fl oz/a						
	Staple	0.8	oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Dual Magnum	1.3	pt/a						
12	Prowl	2.4	pt/a	0	0	0	0	92	99
	Roundup WeatherMax	21.3	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						
13	Prowl	2.4	pt/a	0	0	0	0	51	99
	Roundup WeatherMax	28.4	fl oz/a						
	Roundup WeatherMax	28.4	fl oz/a						

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Weed Code			GOSHI	GOSHI	GOSHI	GOSHI	AMAPA	AMAPA	AMAPA	AMAPA
Crop Code			injury	injury	injury	injury	cotton	cotton	cotton	cotton
Rating Data Type			percent	percent	percent	percent	control	control	control	control
Rating Unit							percent	percent	percent	percent
Rating Date			May-31-05	Jun-07-05	Jun-23-05	Jul-02-05	May-31-05	Jun-07-05	Jun-23-05	Jul-08-05
Trt-Eval Interval			33 DA-A	40 DA-A	56 DA-A		33 DA-A	40 DA-A	56 DA-A	71 DA-A
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate Unit	1	2	3	4	5	6	7	8
14	Prowl	2.4 pt/a	0	0	0	0	65	99	85	99
	Cotoran	2 pt/a								
	Roundup WeatherMax	28.4 fl oz/a								
	Roundup WeatherMax	28.4 fl oz/a								
15	Prowl	2.4 pt/a	0	0	0	0	83	99	83	99
	Staple	0.8 oz/a								
	Roundup WeatherMax	28.4 fl oz/a								
	Roundup WeatherMax	28.4 fl oz/a								
16	Roundup WeatherMax	21.3 fl oz/a	0	0	0	0	90	99	78	99
	Roundup WeatherMax	28.4 fl oz/a								
	Roundup WeatherMax	28.4 fl oz/a								
	Roundup WeatherMax	28.4 fl oz/a								
	Valor SX	1.0 oz/a								
LSD (P=.05)			0.0	3.7	0.0	0.0	6.6	0.0	6.3	0.0
Standard Deviation			0.0	2.6	0.0	0.0	4.6	0.0	4.4	0.0
CV			0.0	55.33	0.0	0.0	6.27	0.0	6.08	0.0

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

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Weed Code			AMAPA	PANTE	PANTE	PANTE	PANTE	PANTE	IPOLA
Crop Code			cotton	cotton	cotton	cotton	cotton	cotton	cotton
Rating Data Type			control	control	control	control	control	control	control
Rating Unit			percent	percent	percent	percent	percent	percent	percent
Rating Date			Sep-07-05	May-31-05	Jun-07-05	Jun-23-05	Jul-08-05	Sep-07-05	May-31-05
Trt-Eval Interval			132 DA-A	33 DA-A	40 DA-A	56 DA-A	71 DA-A	132 DA-A	33 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	9	10	11	12	13	14	15
		Unit							
1	Untreated		0	0	0	0	0	0	0
2	Untreated		0	0	0	0	0	0	0
3	Roundup WeatherMax	21.3 fl oz/a	99	90	99	80	97	97	90
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
4	Roundup WeatherMax	21.3 fl oz/a	99	90	99	81	99	92	90
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
5	Roundup WeatherMax	21.3 fl oz/a	99	90	99	89	98	93	90
	Roundup WeatherMax	28.4 fl oz/a							
	Dual Magnum	1.3 pt/a							
	Roundup WeatherMax	28.4 fl oz/a							
6	Roundup WeatherMax	21.3 fl oz/a	97	90	99	86	99	97	86
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Dual Magnum	1.3 pt/a							
7	Roundup WeatherMax	21.3 fl oz/a	94	90	99	90	99	94	90
	Roundup WeatherMax	28.4 fl oz/a							
	Envoke	0.1 oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
8	Roundup WeatherMax	21.3 fl oz/a	99	90	99	80	99	96	90
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Envoke	0.1 oz/a							
9	Roundup WeatherMax	21.3 fl oz/a	99	90	99	81	99	94	90
	Roundup WeatherMax	28.4 fl oz/a							
	Staple	0.8 oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
10	Roundup WeatherMax	21.3 fl oz/a	99	90	99	85	99	97	90
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Staple	0.8 oz/a							
11	Roundup WeatherMax	21.3 fl oz/a	99	90	99	83	99	95	90
	Roundup WeatherMax	28.4 fl oz/a							
	Staple	0.8 oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Dual Magnum	1.3 pt/a							
12	Prowl	2.4 pt/a	99	90	99	84	99	97	90
	Roundup WeatherMax	21.3 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
13	Prowl	2.4 pt/a	99	66	99	84	99	97	39
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							
14	Prowl	2.4 pt/a	98	75	99	87	99	94	78
	Cotoran	2 pt/a							
	Roundup WeatherMax	28.4 fl oz/a							
	Roundup WeatherMax	28.4 fl oz/a							

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Weed Code		AMAPA	PANTE	PANTE	PANTE	PANTE	PANTE	IPOLA
Crop Code		cotton	cotton	cotton	cotton	cotton	cotton	cotton
Rating Data Type		control	control	control	control	control	control	control
Rating Unit		percent	percent	percent	percent	percent	percent	percent
Rating Date		Sep-07-05	May-31-05	Jun-07-05	Jun-23-05	Jul-08-05	Sep-07-05	May-31-05
Trt-Eval Interval		132 DA-A	33 DA-A	40 DA-A	56 DA-A	71 DA-A	132 DA-A	33 DA-A
ARM Action Codes								
# Subsamples, Dec.								
Trt Treatment	Rate							
No. Name	Rate Unit	9	10	11	12	13	14	15
15 Prowl	2.4 pt/a	99	80	99	84	99	96	88
Staple	0.8 oz/a							
Roundup WeatherMax	28.4 fl oz/a							
Roundup WeatherMax	28.4 fl oz/a							
16 Roundup WeatherMax	21.3 fl oz/a	97	90	99	80	99	98	90
Roundup WeatherMax	28.4 fl oz/a							
Roundup WeatherMax	28.4 fl oz/a							
Roundup WeatherMax	28.4 fl oz/a							
Valor SX	1.0 oz/a							
LSD (P=.05)		3.6	7.9	0.4	5.8	1.9	6.0	8.1
Standard Deviation		2.5	5.5	0.3	4.1	1.3	4.2	5.7
CV		2.95	7.28	0.29	5.54	1.52	4.98	7.66

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

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Weed Code	IPOLA	IPOLA	IPOLA	RCHSC	RCHSC	CASOB	CASOB	DEDTO
Crop Code	cotton	cotton	cotton	cotton	cotton	cotton	cotton	cotton
Rating Data Type	control	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent
Rating Date	Jun-23-05	Jul-08-05	Sep-07-05	Jul-08-05	Sep-07-05	Jun-23-05	Sep-07-04	Jun-23-05
Trt-Eval Interval	56 DA-A	71 DA-A	132 DA-A	71 DA-A	132 DA-A	56 DA-A	-233 DA-	56 DA-A
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	16	17	18	19	20	21	22	23
Treatment Name								
Rate								
Unit								
15 Prowl	86	97	84	98	97	99	99	99
Staple								
Roundup WeatherMax								
Roundup WeatherMax								
16 Roundup WeatherMax	88	98	98	99	99	99	99	99
Roundup WeatherMax								
Roundup WeatherMax								
Roundup WeatherMax								
Valor SX								
LSD (P=.05)	9.4	2.3	8.2	1.8	4.8	0.0	1.6	0.0
Standard Deviation	6.6	1.6	5.7	1.3	3.4	0.0	1.1	0.0
CV	8.54	1.89	7.25	1.46	3.93	0.0	1.3	0.0

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

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Weed Code			DEDTO	Seed Yld	Seed Yld	
Crop Code			cotton	GOSHI	GOSHI	
Rating Data Type			control	lbs	lbs	
Rating Unit			percent	plot	acre	
Rating Date			Sep-07-05	Sep-28-05	Sep-28-05	
Trt-Eval Interval			132 DA-A	153 DA-A	153 DA-A	
ARM Action Codes					TY1	
# Subsamples, Dec.					1	
Trt No.	Treatment Name	Rate	Unit	24	25	26
1	Untreated			0	0	0.0
2	Untreated			0	0	0.0
3	Roundup WeatherMax	21.3	fl oz/a	95	11	3204.6
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
4	Roundup WeatherMax	21.3	fl oz/a	96	10	3017.3
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
5	Roundup WeatherMax	21.3	fl oz/a	97	9	2744.3
	Roundup WeatherMax	28.4	fl oz/a			
	Dual Magnum	1.3	pt/a			
	Roundup WeatherMax	28.4	fl oz/a			
6	Roundup WeatherMax	21.3	fl oz/a	97	11	3056.5
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Dual Magnum	1.3	pt/a			
7	Roundup WeatherMax	21.3	fl oz/a	99	10	2825.6
	Roundup WeatherMax	28.4	fl oz/a			
	Envoke	0.1	oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
8	Roundup WeatherMax	21.3	fl oz/a	99	10	2995.5
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Envoke	0.1	oz/a			
9	Roundup WeatherMax	21.3	fl oz/a	94	9	2706.5
	Roundup WeatherMax	28.4	fl oz/a			
	Staple	0.8	oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
10	Roundup WeatherMax	21.3	fl oz/a	93	10	2973.7
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Staple	0.8	oz/a			
11	Roundup WeatherMax	21.3	fl oz/a	96	10	2904.0
	Roundup WeatherMax	28.4	fl oz/a			
	Staple	0.8	oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Dual Magnum	1.3	pt/a			
12	Prowl	2.4	pt/a	99	11	3066.6
	Roundup WeatherMax	21.3	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
13	Prowl	2.4	pt/a	99	11	3071.0
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			
14	Prowl	2.4	pt/a	93	10	2837.2
	Cotoran	2	pt/a			
	Roundup WeatherMax	28.4	fl oz/a			
	Roundup WeatherMax	28.4	fl oz/a			

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Weed Code	DEDTO	Seed Yld	Seed Yld
Crop Code	cotton	GOSHI	GOSHI
Rating Data Type	control	lbs	lbs
Rating Unit	percent	plot	acre
Rating Date	Sep-07-05	Sep-28-05	Sep-28-05
Trt-Eval Interval	132 DA-A	153 DA-A	153 DA-A
ARM Action Codes			TY1
# Subsamples, Dec.			1
Trt Treatment	Rate		
No. Name	Rate Unit	24	25
15 Prowl	2.4 pt/a	93	10
Staple	0.8 oz/a		
Roundup WeatherMax	28.4 fl oz/a		
Roundup WeatherMax	28.4 fl oz/a		
16 Roundup WeatherMax	21.3 fl oz/a	99	10
Roundup WeatherMax	28.4 fl oz/a		
Roundup WeatherMax	28.4 fl oz/a		
Roundup WeatherMax	28.4 fl oz/a		
Valor SX	1.0 oz/a		
LSD (P=.05)	6.3	1.6	471.91
Standard Deviation	4.4	1.1	330.23
CV	5.19	12.82	12.82

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

Column 26: TY1 = 290.4*[C25]

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	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 94	% OM: 1.3	Texture: sand	
% Silt: 2	pH: 5.9	Soil Name: Tifton sandy loam	
% Clay: 4	CEC: _____	Fert. Level: _____	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: excellent moisture throughout season

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A	B	C	D	E
Application Date:	Apr-28-05	May-17-05	Jun-02-05	Jun-13-05	Jun-23-05
Time of Day:	3 pm	9 am	8 am	8 am	8 am
Application Method:	broadcast	broadcast	broadcast	broadcast	broadcast
Application Timing:	PRE	1-2 leaf	5-6 leaf	10 leaf	14lf/pdir
Applic. Placement:	PRE	POST1	POST2	POST3	POST4/PDI
Air Temp., Unit:	78 F	78 F	80 F	82 F	71 F
% Relative Humidity:	46	60	76	64	64
Wind Velocity, Unit:	3 mph	0 mph	2 mph	2 mph	2 mph
Dew Presence (Y/N):	n	n	n	n	n
Water Hardness:					
Soil Temp., Unit:	72 F	75 F	75 F	80 F	72 F
Soil Moisture:	moist	moist	wet	wet	moist
% Cloud Cover:	25	0	100	40	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	GOSHI PRE	GOSHI POST 1	GOSHI POST 2	GOSHI POST 3	GOSHI POST4/PDI
Stage Scale:	not up	1-2 leaf	5-6 leaf	10 leaf	12 leaf
Height, Unit:	0 inch	3.5 inch	10 inch	16 inch	22 inch

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WEED STAGE AT EACH APPLICATION

	A	B	C	D	E
Weed 1 Code, Stage:	AMAPA PRE	AMAPA POST 1	AMAPA POST 2	AMAPA POST 3	AMAPA POST4/PDI
Stage Scale:	not up	up to 5in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	15 ydsq	. .	. .	. .
Weed 2 Code, Stage:	PANTE PRE	PANTE POST 1	PANTE POST 2	PANTE POST 3	PANTE POST4/PDI
Stage Scale:	not up	up to 2in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	15 ydsq	. .	. .	. .
Weed 3 Code, Stage:	IPOLA PRE	IPOLA POST 1	IPOLA POST 2	IPOLA POST 3	IPOLA POST4/PDI
Stage Scale:	not up	up to 3in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	2 ydsq	. .	. .	. .
Weed 4 Code, Stage:	RCHSC PRE	RCHSC POST 1	RCHSC POST 2	RCHSC POST 3	RCHSC POST4/PDI
Stage Scale:	not up	up to 3in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	2 ydsq	. .	. .	. .
Weed 5 Code, Stage:	CASOB PRE	CASOB POST 1	CASOB POST 2	CASOB POST 3	CASOB POST4/PDI
Stage Scale:	not up	up to 3in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	0.5 ydsq	. .	. .	. .
Weed 6 Code, Stage:	DEDTO PRE	DEDTO POST 1	DEDTO POST 2	DEDTO POST 3	DEDTO POST4/PDI
Stage Scale:	not up	up to 3in	see comme	up to 3in	up to 8in
Density, Unit:	0 ydsq	0.5 ydsq	. .	. .	. .

APPLICATION EQUIPMENT

	A	B	C	D	E
Appl. Equipment:	backpack	backpack	backpack	backpack	backpack
Operating Pressure:	23	23	23	23	varies
Nozzle Type:	flat fan	flat fan	flat fan	flat fan	flat fan
Nozzle Size:	11002	11002	11002	11002	11002
Nozzle Spacing, Unit:	18 inch	18 inch	18 inch	18 inch	
Nozzles/Row:	2	2	2	2	
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	3 mph
Incorporation Equip.:					
Hours to Incorp.:					
Incorp. Depth, Unit:					
Carrier:	water	water	water	water	water
Spray Volume, Unit:	14.8 GPA	14.8 GPA	14.8 GPA	14.8 GPA	14.8 GPA
Spray pH:					
Propellant:	CO2	CO2	CO2	CO2	CO2
Tank Mix (Y/N):	Y	Y	Y	Y	Y

Trt No	Treatment Application Comment