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

Trial ID: C16-06

Study Dir.: Stanley Culpepper

Location: Small Jones Farm

Investigator: Stanley Culpepper

Reps: 4

Plots: 9 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min 1.1575)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Form Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	4
1	Prowl H20	3.8	EC	0.75	LB A/A	PRE	A	13.33 ml/mx	101	207	317	404
	Roundup WeatherMax	4.5	L	22	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				
2	Prowl 3.3 EC	3.3	EC	0.75	LB A/A	PRE	A	15.35 ml/mx	102	210	304	417
	Roundup WeatherMax	4.5	L	22	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				
3	Surflan	4	AS	1.0	LB A/A	PRE	A	16.89 ml/mx	103	212	316	412
	Roundup WeatherMax	4.5	L	22	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				
4	Dual Magnum	7.62	L	1	PT/A	PRE	A	8.445 ml/mx	104	211	303	401
	Roundup WeatherMax	4.5	L	22	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				
5	Non-treated								105	209	305	415
6	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	106	201	307	411
	Prowl H20	3.8	EC	0.75	LB A/A	1-2 lf	B	13.33 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
7	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	107	208	314	403
	Prowl 3.3	3.3	EC	0.75	LB A/A	1-2 lf	B	15.35 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
8	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	108	206	310	416
	Surflan	4	AS	1	LB A/A	1-2 lf	B	16.89 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
9	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	109	205	312	407
	Dual Magnum	7.62	L	1	PT/A	1-2 lf	B	8.445 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
10	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	110	213	318	408
	Prowl H20	3.8	EC	0.75	LB A/A	6-8 lf	C	13.33 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
11	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	111	214	306	410
	Prowl 3.3	3.3	EC	0.75	LB A/A	6-8 lf	C	15.35 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
12	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	112	217	313	409
	Surflan	4	AS	1	LB A/A	6-8 lf	C	16.89 ml/mx				
	Roundup WeatherMax	4.5	L	22	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	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	113	202	301	405
	Dual Magnum	7.62	L	1	PT/A	6-8 lf	C	8.445 ml/mx				
	Roundup WeatherMax	4.5	L	22	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				
14	Roundup WeatherMax	4.5	L	22	OZ/A	1-2 lf	B	11.61 ml/mx	114	218	315	406
	Roundup WeatherMax	4.5	L	22	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				
	Prowl H20	3.8	EC	0.75	LB A/A	12-14 lf	D	13.33 ml/mx				

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Reps: 4 Plots: 9 by 25 feet
 Spray vol: 14.8 gal/ac Mix size: 1 liters (min 1.1575)

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	Roundup WeatherMax	4.5	L	22	OZ/A	1-2	If B	11.61 ml/mx	115	216	302	418
	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx				
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				
	Prowl 3.3	3.3	EC	0.75	LB A/A	12-14	If D	15.35 ml/mx				
16	Roundup WeatherMax	4.5	L	22	OZ/A	1-2	If B	11.61 ml/mx	116	215	309	414
	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx				
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				
	Surflan	4	AS	1	LB A/A	12-14	If D	16.89 ml/mx				
17	Roundup WeatherMax	4.5	L	22	OZ/A	1-2	If B	11.61 ml/mx	117	204	311	413
	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx				
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				
	Dual Magnum	7.62	L	1	PT/A	12-14	If D	8.445 ml/mx				
18	Roundup WeatherMax	4.5	L	22	OZ/A	1-2	If B	11.61 ml/mx	118	203	308	402
	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx				
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				
	Direx	4	L	1.25	PT/A	12-14	If D	10.56 ml/mx				
19	Roundup WeatherMax	4.5	L	22	OZ/A	1-2	If B	11.61 ml/mx	119	219	319	419
	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx				
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				
20	Roundup WeatherMax	4.5	L	22	OZ/A	6-8	If C	11.61 ml/mx	120	220	320	420
	Roundup WeatherMax	4.5	L	22	OZ/A	12-14	If D	11.61 ml/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	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, or Surflan.

COTTON RESPONSE:

1. Soil applied herbicides did not injure cotton.
2. POST applications to 1-leaf cotton were more injurious with Prowl 3.3 or Surflan mixtures as compared to Dual or Prowl H20 mixtures. Similar trends were noted at other application timings.
3. Cotton recovered very quickly from injury noted with Prowl, Surflan or Dual mixtures.
4. Only the Direx treatment caused unacceptable injury, but even cotton treated with Direx recovered quickly.

WEED RESPONSE:

Palmer amaranth:

1. When comparing PRE herbicides prior to POST applications, control was less with Surflan than with other residual herbicides.

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2. Late-season control was less than 90% when 2 glyphosate applications were made.
3. When the residual herbicide was included at either the 6-8 leaf or 12-14 leaf application, control was excellent at late-season.

Crowfootgrass:

1. When comparing PRE herbicides prior to POST applications, control was similar among residual herbicides.
2. Late-season control was generally better with programs including residual herbicides mixed with glyphosate at the 6 to 8 or 10 to 12 leaf applications and these programs were more effective than 2 or 3 glyphosate only applications.

Florida pusley:

1. All programs provided excellent control of pusley with little late-season emergence.

SEED YIELD:

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Weed Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	AMAPA	AMAPA
Crop Code			injury	injury	injury	injury	injury	control	control
Rating Data Type			%	%	%	%	%	%	%
Rating Unit									
Rating Date			May-25-06	Jun-03-06	Jun-10-06	Jul-01-06	Aug-03-06	May-25-06	Jun-10-06
Assessed By			SC	SC	SC	SC	SC	SC	SC
Trt-Eval Interval			28 DA-A	37 DA-A	44 DA-A	65 DA-A	98 DA-A	28 DA-A	44 DA-A
Trt No.	Treatment Name	Rate	1	2	3	4	5	6	7
		Unit							
14	Roundup WeatherMax	22 OZ/A	0 d	0 c	0 a	0 d	0 a	91 bc	96 ab
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Prowl H20	0.75 LB A/A							
15	Roundup WeatherMax	22 OZ/A	0 d	0 c	0 a	12 b	0 a	90 bc	99 a
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Prowl 3.3	0.75 LB A/A							
16	Roundup WeatherMax	22 OZ/A	0 d	0 c	0 a	14 b	0 a	90 bc	99 a
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Surflan	1 LB A/A							
17	Roundup WeatherMax	22 OZ/A	0 d	0 c	0 a	4 c	0 a	92 b	99 a
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Dual Magnum	1 PT/A							
18	Roundup WeatherMax	22 OZ/A	0 d	2 c	0 a	28 a	0 a	90 bc	97 ab
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Direx	1.25 PT/A							
19	Roundup WeatherMax	22 OZ/A	0 d	0 c	1 a	0 d	0 a	90 bc	99 a
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
20	Roundup WeatherMax	22 OZ/A	0 d	0 c	0 a	0 d	0 a	0 e	95 b
	Roundup WeatherMax	22 OZ/A							
LSD (P=.05)			1.9	2.9	1.3	2.9	0.0	4.3	2.8
Standard Deviation			1.3	2.0	1.0	2.0	0.0	3.0	2.0
CV			94.22	79.37	380.58	65.31	0.0	3.68	2.15
Bartlett's X2			6.333	21.434	6.031	14.805	0.0	23.212	7.466
P(Bartlett's X2)			0.387	0.003*	0.303	0.039*	.	0.026*	0.28

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

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Weed Code			AMAPA	AMAPA	RCHSC	RCHSC	DTTAE	DTTAE	DTTAE
Crop Code									
Rating Data Type			control	control	control	control	control	control	control
Rating Unit			%	%	%	%	%	%	%
Rating Date			Jul-06-06	Aug-03-06	May-25-06	Aug-03-06	May-25-06	Jun-10-06	Jul-06-06
Assessed By			AD	SC	SC	SC	SC	SC	AD
Trt-Eval Interval			70 DA-A	98 DA-A	28 DA-A	98 DA-A	28 DA-A	44 DA-A	70 DA-A
Trt No.	Treatment Name	Rate	8	9	10	11	12	13	14
		Unit							
1	Prowl H20	0.75 LB A/A	98 b	89 a-d	92 bcd	93 abc	83 f	96 a	91 c
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
2	Prowl 3.3 EC	0.75 LB A/A	100 ab	86 cd	92 bcd	91 bc	85 ef	98 a	99 a
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
3	Surflan	1.0 LB A/A	100 ab	89 a-d	95 abc	97 ab	86 def	99 a	97 ab
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
4	Dual Magnum	1 PT/A	100 a	89 bcd	89 d	93 abc	88 c-f	98 a	96 abc
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
5	Non-treated		0 c	0 e	0 e	0 d	0 g	0 c	0 d
6	Roundup WeatherMax	22 OZ/A	99 ab	89 a-d	92 bcd	95 abc	92 a-d	97 a	96 abc
	Prowl H20	0.75 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
7	Roundup WeatherMax	22 OZ/A	100 a	85 cd	98 a	92 abc	97 a	98 a	94 bc
	Prowl 3.3	0.75 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
8	Roundup WeatherMax	22 OZ/A	100 a	92 a-d	97 a	90 c	95 ab	95 a	97 ab
	Surflan	1 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
9	Roundup WeatherMax	22 OZ/A	100 a	94 abc	96 ab	94 abc	95 ab	97 a	97 ab
	Dual Magnum	1 PT/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
10	Roundup WeatherMax	22 OZ/A	100 a	94 abc	91 cd	96 abc	91 b-e	96 a	98 ab
	Prowl H20	0.75 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
11	Roundup WeatherMax	22 OZ/A	100 a	92 a-d	92 bcd	92 abc	93 abc	98 a	98 ab
	Prowl 3.3	0.75 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
12	Roundup WeatherMax	22 OZ/A	100 a	97 ab	92 bcd	98 a	92 a-d	98 a	98 ab
	Surflan	1 LB A/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
13	Roundup WeatherMax	22 OZ/A	100 a	92 a-d	89 d	96 abc	90 b-e	98 a	98 ab
	Dual Magnum	1 PT/A							
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
14	Roundup WeatherMax	22 OZ/A	100 a	97 ab	92 bcd	97 abc	91 a-d	95 a	96 abc
	Roundup WeatherMax	22 OZ/A							
	Roundup WeatherMax	22 OZ/A							
	Prowl H20	0.75 LB A/A							

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Weed Code	AMAPA	AMAPA	RCHSC	RCHSC	DTTAE	DTTAE	DTTAE			
Crop Code										
Rating Data Type	control	control	control	control	control	control	control			
Rating Unit	%	%	%	%	%	%	%			
Rating Date	Jul-06-06	Aug-03-06	May-25-06	Aug-03-06	May-25-06	Jun-10-06	Jul-06-06			
Assessed By	AD	SC	SC	SC	SC	SC	AD			
Trt-Eval Interval	70 DA-A	98 DA-A	28 DA-A	98 DA-A	28 DA-A	44 DA-A	70 DA-A			
Trt No.	Treatment Name	Rate	Unit	8	9	10	11	12	13	14
15	Roundup WeatherMax	22	OZ/A	100 a	98 ab	90 d	98 a	90 b-e	96 a	94 abc
	Roundup WeatherMax	22	OZ/A							
	Roundup WeatherMax	22	OZ/A							
	Prowl 3.3	0.75	LB A/A							
16	Roundup WeatherMax	22	OZ/A	100 a	97 ab	89 d	98 a	89 b-e	95 a	97 ab
	Roundup WeatherMax	22	OZ/A							
	Roundup WeatherMax	22	OZ/A							
	Surflan	1	LB A/A							
17	Roundup WeatherMax	22	OZ/A	100 a	98 ab	92 bcd	97 abc	92 a-d	96 a	96 abc
	Roundup WeatherMax	22	OZ/A							
	Roundup WeatherMax	22	OZ/A							
	Dual Magnum	1	PT/A							
18	Roundup WeatherMax	22	OZ/A	100 a	98 a	90 d	98 ab	90 b-e	94 a	96 abc
	Roundup WeatherMax	22	OZ/A							
	Roundup WeatherMax	22	OZ/A							
	Direx	1.25	PT/A							
19	Roundup WeatherMax	22	OZ/A	100 a	96 ab	90 d	96 abc	89 c-f	88 b	96 abc
	Roundup WeatherMax	22	OZ/A							
	Roundup WeatherMax	22	OZ/A							
20	Roundup WeatherMax	22	OZ/A	100 ab	85 d	0 e	92 abc	0 g	95 a	98 ab
	Roundup WeatherMax	22	OZ/A							
LSD (P=.05)		1.8		1.8	7.9	3.9	5.2	5.1	4.6	4.3
Standard Deviation		1.3		1.3	5.6	2.7	3.7	3.6	3.3	3.0
CV		1.38		1.38	6.36	3.3	4.12	4.4	3.58	3.3
Bartlett's X2		13.353		13.353	65.438	38.757	47.852	29.921	21.619	20.241
P(Bartlett's X2)		0.01*		0.01*	0.001*	0.001*	0.001*	0.008*	0.20	0.319

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

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Weed Code			DTTAE
Crop Code			
Rating Data Type			control
Rating Unit			%
Rating Date			Aug-03-06
Assessed By			SC
Trt-Eval Interval			98 DA-A
Trt No.	Treatment Name	Rate	Unit
			15
1	Prowl H20	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
2	Prowl 3.3 EC	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
3	Surflan	1.0	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
4	Dual Magnum	1	PT/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
5	Non-treated		
			0 f
6	Roundup WeatherMax	22	OZ/A
	Prowl H20	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
7	Roundup WeatherMax	22	OZ/A
	Prowl 3.3	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
8	Roundup WeatherMax	22	OZ/A
	Surflan	1	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
9	Roundup WeatherMax	22	OZ/A
	Dual Magnum	1	PT/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
10	Roundup WeatherMax	22	OZ/A
	Prowl H20	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
11	Roundup WeatherMax	22	OZ/A
	Prowl 3.3	0.75	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
12	Roundup WeatherMax	22	OZ/A
	Surflan	1	LB A/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
13	Roundup WeatherMax	22	OZ/A
	Dual Magnum	1	PT/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
14	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
	Roundup WeatherMax	22	OZ/A
	Prowl H20	0.75	LB A/A

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Weed Code			DTTAE
Crop Code			
Rating Data Type			control
Rating Unit			%
Rating Date			Aug-03-06
Assessed By			SC
Trt-Eval Interval			98 DA-A
Trt No.	Treatment Name	Rate Rate Unit	
			15
15	Roundup WeatherMax	22 OZ/A	94 a-d
	Roundup WeatherMax	22 OZ/A	
	Roundup WeatherMax	22 OZ/A	
	Prowl 3.3	0.75 LB A/A	
16	Roundup WeatherMax	22 OZ/A	96 a
	Roundup WeatherMax	22 OZ/A	
	Roundup WeatherMax	22 OZ/A	
	Surflan	1 LB A/A	
17	Roundup WeatherMax	22 OZ/A	96 a
	Roundup WeatherMax	22 OZ/A	
	Roundup WeatherMax	22 OZ/A	
	Dual Magnum	1 PT/A	
18	Roundup WeatherMax	22 OZ/A	93 a-d
	Roundup WeatherMax	22 OZ/A	
	Roundup WeatherMax	22 OZ/A	
	Direx	1.25 PT/A	
19	Roundup WeatherMax	22 OZ/A	83 cde
	Roundup WeatherMax	22 OZ/A	
	Roundup WeatherMax	22 OZ/A	
20	Roundup WeatherMax	22 OZ/A	83 de
	Roundup WeatherMax	22 OZ/A	
LSD (P=.05)			10.0
Standard Deviation			7.1
CV			8.27
Bartlett's X2			44.854
P(Bartlett's X2)			0.001*

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

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

Trial ID: C16-06

Study Dir.: Stanley Culpepper

Location: Small Jones Farm

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: Tifton **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** fair
Postal Code: 31794 **Initiation Date:** Apr-27-05
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.	AMAPA	Palmer amaranth	
2.	DATE	crowfootgrass	
3.	RCHSC	Florida pusley	

Crop 1: GOSHI cotton **Variety:** RR Flex from Monsanto
Planting Date: Apr-19-05 **Planting Method:** hill drop
Rate: 2 8 in **Depth:** 0.5 in **Perennial Age:** ____ ____
Row Spacing: 36 inch **Spacing Within Row:** ____ ____ **Seed Bed:** flat
Soil Temperature: 74 F **Soil Moisture:** moist **Emergence Date:** Apr-25-05

SITE AND DESIGN

Plot Width, Unit: 9 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: Jones farm
Tillage Type: Conservation tillage **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 95	% OM: 0.67	Texture: sand	
% Silt: 2	pH: 5.8	Soil Name: Tifton sandy loam	
% Clay: 3	CEC: _____	Fert. Level: _____	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	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:	Apr-27-06	May-12-06	May-30-06	Jun-14-06
Time of Day:	7 pm	10 am	8 am	7 pm
Application Method:	broadcast	broadcast	broadcast	broadcast
Application Timing:	PRE	1-2 lf	6-8 lf	12-14 lf
Applic. Placement:	soil/cove	overtop	overtop	overtop
Air Temp., Unit:	77 F	70 F	75 F	78 F
% Relative Humidity:	41	31	65	48
Wind Velocity, Unit:	2 mph	0 mph	2 mph	0 mph
Dew Presence (Y/N):	n	n	n	n
Water Hardness:				
Soil Temp., Unit:	77 F	71 F	76 F	82 F
Soil Moisture:	moist	wet	dry	fair
% Cloud Cover:	0	0	0	0

CROP STAGE AT EACH APPLICATION

	A	B	C	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	12 leaf
Height, Unit:	0 inch	1.5 inch	7 inch	16 inch

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WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMAPA PRE	AMAPA 1-2 lf	AMAPA 6-8 lf	AMAPA 11-12 lf
Stage Scale:	not up	<1.5 in	< 10 in	< 8 in
Density, Unit:	0 ydsq	5 ydsq	5 ydsq	3 ydsq
Weed 2 Code, Stage:	DATTE PRE	DATTE 1-2 lf	DATTE 6-8 lf	DATTE 11-12 lf
Stage Scale:	not up	<1.5 in	< 5 in	< 8 in
Density, Unit:	0 ydsq	5 ydsq	10 ydsq	3 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	< 3 in	< 3 in
Density, Unit:	0 ydsq	5 ydsq	4 ydsq	2 ydsq

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	backpack	backpack	backpack	backpack
Operating Pressure:	23	23	23	23
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	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	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