Weed and cotton response to several Sequence formulations.

Trial ID: C5-06 Study Dir.: Stanley Culpepper Location: Attapulgus (pig fld) Investigator: Stanley Culpepper

Reps: 4 Plots: 12 by 25 feet

Spray vol: 14.8 gal/ac Mix size: 2 liters (min 1.5434)

Trt Treatment No. Name Form Form Conc Unit Form Type Rate Rate Unit Grow Appl Code to Measure Amt Product Plot No. By Rep to Measure 1 2 3 4 1 Non-treated 1 Non-treated 101 202 307 403 201 302 408 201 302 408 408 2 Sequence Touchdown Total Sequence 5.25 EW 2.5 PT/A PRE A 42.23 ml/mx 25.34 ml/mx 102 201 302 408 3 A13886 EW 2.5 PT/A PRE A 42.23 ml/mx 103 206 308 402	1
1 Non-treated 101 202 307 403 2 Sequence 5.25 EW 2.5 PT/A PRE A 42.23 ml/mx 102 201 302 408 Touchdown Total 4.17 L 24 OZ/A 3 lf B 25.34 ml/mx 25.34 ml/mx 25.34 ml/mx Sequence 5.25 EW 2.5 PT/A 8 lf C 42.23 ml/mx 42.23 ml/mx C	1
2 Sequence 5.25 EW 2.5 PT/A PRE A 42.23 ml/mx 102 201 302 408 Touchdown Total 4.17 L 24 OZ/A 3 lf B 25.34 ml/mx 25.34 ml/mx	1
Touchdown Total 4.17 L 24 OZ/A 3 If B 25.34 ml/mx Sequence 5.25 EW 2.5 PT/A 8 If C 42.23 ml/mx	
Sequence 5.25 EW 2.5 PT/A 8 lf C 42.23 ml/mx	
3 A13886 EW 2.5 PT/A PRE A 42.23 ml/mx 103 206 308 402	
Touchdown Total 4.17 L 24 OZ/A 3 If B 25.34 ml/mx	
A13886 EW 2.5 PT/A 8 lf C 42.23 ml/mx	
4 A14941 EW 2.5 PT/A PRE A 42.23 ml/mx 104 207 303 406	
Touchdown Total 4.17 L 24 OZ/A 3 If B 25.34 ml/mx	
A14941 EW 2.5 PT/A 8 lf C 42.23 ml/mx	
5 Touchdown Total 4.17 L 24 OZ/A 3 If B 25.34 ml/mx 105 204 306 401	
Touchdown Total 4.17 L 24 OZ/A 8 If C 25.34 ml/mx	
Touchdown Total 4.17 L 24 OZ/A 12 If D 25.34 ml/mx	
6 Sequence 5.25 EW 2.5 PT/A 3 If B 42.23 ml/mx 106 208 301 407	
Sequence 5.25 EW 2.5 PT/A 12 lf D 42.23 ml/mx	
7 A13886 EW 2.5 PT/A 3 If B 42.23 ml/mx 107 205 304 405	1
A13886 EW 2.5 PT/A 12 lf D 42.23 ml/mx	j
8 A14941 EW 2.5 PT/A 3 If B 42.23 ml/mx 108 203 305 404	İ
A14941 EW 2.5 PT/A 12 lf D 42.23 ml/mx	İ

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
211.126	ml	Sequence	5.25	EW	
190.034	ml	Touchdown Total	4.17	L	
211.126	ml	A13886		EW	
211.126	ml	A14941		EW	

^{* &#}x27;Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 2 liters (mix size basis).

Trial Comments

OBJECTIVE: Compare several formulations of glyphosate plus S-metolachlor.

COTTON RESPONSE:

- 1. At 18 DAT, PRE applications of Sequence, A14941, and A13866 caused 7 to 9%.
- 2. POST applications of Sequence, A13866, and A14941 injured cotton 15 to 19% at 9 DAT.
- 3. Cotton recovered quickly from all treatments.

WEED RESPONSE:

Carpetweed:

- 1. Excellent early and mid-season control was noted with all programs.
- 2. Late in the season, Sequence PRE and POST was more effective than A14941 PRE and POST. In total POST systems, Sequence was more effective than A13866 or A14941.

^{*} Product amount calculations increased 25 % for overage adjustment.

Florida beggarweed, Smallflower morningglory, and Palmer amaranth:

1. Excellent early, mid, and late-season control was noted with all programs.

Florida pusley:

- 1. Excellent early and mid-season control was noted with all programs.
- 2. Late in the season with total POST programs, Sequence was more effective than A13886 or A14941.

Texas panicum:

- 1. Excellent early and mid-season control was noted with all programs.
- 2. Late in the season with total POST programs, Sequence tended to be more effective than A14941.

Bristly Starbur:

- 1. Excellent early and mid-season control was noted with all programs.
- 2. Late in the season with total POST programs, Sequence was more effective than A14941.

COTTON YIELD:

1. With no differences in crop response and only minor differences in weed control, no yield differences were noted with comparing Sequence, A13886, and A14941.

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Weed and cotton response to several Sequence formulations.

Trial ID: C5-06 Study Dir.: Stanley Culpepper Location: Attapulgus (pig fld) Investigator: Stanley Culpepper

Eccasion mosapar	gub (pig		THYCDCI	Jacob Doc	anicy car	pepper			-
Weed Code						MOLVE	MOLVE	MOLVE	MOLVE
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI				
Rating Data Type		injury	injury		injury	control	control	control	control
Rating Unit		%	%	%	%	%	%	%	%
Rating Date		Jun-06-06		Jun-27-06			Jun-27-06		
Assessed By		SC	SC	AD	SC	SC	AD	SC	SC
Trt-Eval Interval		18 DA-A	27 DA-A	39 DA-A	52 DA-A	18 DA-A	39 DA-A	27 DA-A	52 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate								
No. Name	Rate Unit		2	3	4	5	6	7	8
1 Non-treated		0 b	0 b	0 c	0 c	0 b	0 c	0 b	0 e
2 Sequence	2.5 PT/A		3 b	7 ab	2 abc	99 a	100 a	99 a	99 a
Touchdown Total									
Sequence	2.5 PT/A	Λ.							
3 A13886	2.5 PT/A	8 a	2 b	11 a	2 abc	99 a	99 a	99 a	99 a
Touchdown Total									
A13886	2.5 PT/A	A.							
4 A14941	2.5 PT/A	9 a	4 b	5 abc	0 c	99 a	96 a	99 a	94 b
Touchdown Total									
A14941	2.5 PT/A	A.							
5 Touchdown Total	24 OZ/A	0 b	2 b	2 bc	0 c	0 b	100 a	99 a	99 a
Touchdown Total									
Touchdown Total	24 OZ/A	A							
6 Sequence	2.5 PT/A	0 b	19 a	4 bc	5 a	0 b	95 a	99 a	90 c
Sequence	2.5 PT/A	Λ.							
7 A13886	2.5 PT/A	0 b	15 a	4 bc	4 ab	0 b	88 b	99 a	83 d
A13886	2.5 PT/A								
8 A14941	2.5 PT/A	0 b	16 a	3 bc	1 bc	0 b	87 b	99 a	81 d
A14941	2.5 PT/A								
LSD (P=.05)		3.0	5.2	5.8	3.3	0.0	5.2	0.0	3.6
Standard Deviation		2.1	3.5	4.0	2.2	0.0	3.6	0.0	2.5
CV		68.72	46.94	90.37	141.65	0.0	4.29	0.0	3.07
Bartlett's X2		1.47	3.177	5.202	4.621	0.0	9.206	0.0	13.761
P(Bartlett's X2)		0.48	0.786		0.328		0.056		0.008*

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

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							<u> </u>			
We	ed Code		DEDTO	DEDTO	DEDTO	DEDTO	IAQTA	IAQTA	IAQTA	IAQTA
Cro	p Code									
Rati	ng Data Type		control	control	control	control	control	control	control	control
	ing Unit		%	%	%	%	%	%	%	%
	ng Date		Jun-06-06			Aug-02-06				Jul-10-06
	essed By		SC	SC	AD	AD	SC	SC	AD	SC
	Eval Interval		18 DA-A	27 DA-A	39 DA-A	75 DA-A	18 DA-A	27 DA-A	39 DA-A	52 DA-A
	M Action Codes									
# Sı	ubsamples, Dec.									
Trt	Treatment	Rate								
No.	Name	Rate Unit	9	10	11	12	13	14	15	16
1	Non-treated		0 c	0 b	0 c	0 b	0 c	0 d	0 b	0 d
2	Sequence	2.5 PT/A	85 a	99 a	100 a	100 a	58 ab	96 a	100 a	99 a
	Touchdown Total	24 OZ/A								
	Sequence	2.5 PT/A								
3	A13886	2.5 PT/A	91 a	99 a	100 a	100 a	60 a	99 a	100 a	99 a
	Touchdown Total	24 OZ/A								
	A13886	2.5 PT/A								
4	A14941	2.5 PT/A	71 b	99 a	100 a	99 a	46 b	99 a	100 a	97 ab
	Touchdown Total	24 OZ/A								
	A14941	2.5 PT/A								
5	Touchdown Total	24 OZ/A	0 с	99 a	100 a	100 a	0 с	96 a	100 a	99 a
	Touchdown Total	24 OZ/A								
	Touchdown Total	24 OZ/A								
6	Sequence	2.5 PT/A	0 с	99 a	99 b	97 a	0 с	91 b	100 a	93 с
	Sequence	2.5 PT/A								
7	A13886	2.5 PT/A		99 a	100 a	100 a	0 с	88 bc	100 a	94 bc
	A13886	2.5 PT/A		00 4	.00 u	.00 a	0 0	00 00	.00 a	0.20
8	A14941	2.5 PT/A		99 a	100 a	100 a	0 с	86 c	100 a	91 c
Ĭ	A14941	2.5 PT/A		00 u	100 a	.σσ α	0 0	00 0	100 a	0.0
LSE) (P=.05)		9.2	0.0	0.5	3.0	11.3	4.0	0.5	3.7
	ndard Deviation		6.2	0.0	0.3	2.1	7.7	2.7	0.3	2.5
CV	idaid Deviation		20.18	0.0	0.39	2.37	37.66		0.4	2.97
	lett's X2		0.804	0.0	0.0	25.34	1.93		0.0	7.621
	artlett's X2)		0.669	3.0	5.0	0.001*	0.381	0.576	3.0	0.106
. \5			0.000	•		0.001	0.001	0.070	•	0.100

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

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	ed Code			IAQTA	RCHSC	RCHSC	RCHSC	RCHSC	RCHSC	AMAPA	AMAPA
	p Code										
Rati	ng Data Type			control	control	control	control	control	control	control	control
Rat	ing Unit			%	%	%	%	%	%		%
	ng Date			Aug-02-06			Jun-27-06		Aug-02-06	Jun-27-06	
Ass	essed By			AD	SC	SC	AD	SC	AD	AD	SC
Trt-l	Eval Interval			75 DA-A	18 DA-A	27 DA-A	39 DA-A	52 DA-A	75 DA-A	39 DA-A	52 DA-A
ARN	Action Codes										
# Sı	ubsamples, Dec.										
Trt	Treatment		Rate								
No.	Name	Rate	Unit	17	18	19	20	21	22	23	24
1	Non-treated			0 b	0 b	0 d	0 с	0 d	0 e	0 b	0 c
2	Sequence	2.5	PT/A	92 a	98 a	96 a	100 a	99 a	100 a	100 a	99 a
	Touchdown Total	24	OZ/A								
	Sequence	2.5	PT/A								
3	A13886	2.5	PT/A	94 a	99 a	99 a	100 a	99 a	100 a	100 a	99 a
	Touchdown Total	24	OZ/A								
	A13886	2.5	PT/A								
4	A14941	2.5	PT/A	91 a	99 a	99 a	100 a	98 a	100 a	100 a	98 ab
	Touchdown Total		OZ/A								
	A14941	2.5	PT/A								
5	Touchdown Total	24	OZ/A	98 a	0 b	94 a	99 a	99 a	99 a	100 a	99 a
	Touchdown Total		OZ/A		0.2	٥. ۵	00 0	00 4	٥٥ ۵	.00 a	00 G
	Touchdown Total		OZ/A								
- 6	Sequence		PT/A	96 a	0 b	88 b	96 a	88 b	88 b	100 a	99 a
U	Sequence		PT/A	30 a	0 5	00 0	30 a	00 0	00 5	100 a	33 a
	A13886		PT/A	93 a	0 h	83 c	96 a	80 c	79 c	100 0	98 ab
′	A13886		PT/A	93 a	0 b	63 C	96 a	80 C	79 0	100 a	96 ab
_				0.4	0.1		07.	7.4	·	400	05.1
8	A14941		PT/A	91 a	0 b	83 c	87 b	74 c	53 d	100 a	95 b
<u> </u>	A14941	2.5	PT/A								
	(P=.05)			7.5	1.0	5.1	5.0	6.1	6.8	0.7	2.7
	ndard Deviation			5.1	0.7	3.5	3.4	4.1	4.6	0.5	1.8
CV				6.28	1.9		3.98	5.18	6.02	0.52	2.13
	lett's X2			10.991	4.43		5.129	23.887	4.577	1.642	7.905
P(B	artlett's X2)			0.089	0.035*	0.952	0.163	0.001*	0.205	0.44	0.048*

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

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Rating Data Type Rating Unit	Weed Code	AMAPA	PANTE	PANTE	ACHNI	ACHNI	Seed YLD	Seed YLD
Rating Unit Rating Date Aug-02-06 Au	Crop Code							
Rating Date Aug-02-06 Au								
Assessed By Trt-Eval Interval ARM Action Codes # Subsamples, Dec. Trt Treatment No. Name Rate No. Name Rate Unit 25 26 27 28 29 30 31 1 Non-treated 2 Sequence 2.5 PT/A 3 A13886 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A 5 Touchdown Total 24 OZ/A A14941 2.5 PT/A 5 Touchdown Total 24 OZ/A A14986 2.5 PT/A 5 Touchdown Total 24 OZ/A A14986 2.5 PT/A 5 Touchdown Total 24 OZ/A A14986 2.5 PT/A 5 Touchdown Total 24 OZ/A A14986 25 PT/A 5 Touchdown Total 24 OZ/A A14986 C25 PT/A 5 Touchdown Total 24 OZ/A A14986 C25 PT/A 5 Double Sequence C25 PT/A C26 PT/A C27 C27 C27 C28 C29 C29 C29 C29 C29 C29 C29 C20 C29 C20 C20 C20 C21 C21 C21 C21 C22 C22 C23 C30 C30 C31 C30 C31 C30 C31 C30 C30 C30 C30 C30 C30 C30 C30 C30 C30		, ,	, -	, -	, -	, -		
Trt-Eval Interval ARM Action Codes # Subsamples, Dec. Trt Treatment No. Name Rate Unit 25 26 27 28 29 30 31 1 Non-treated 0 b 0 e 0 b 0 b 0 e 0 b 122.0 b 2 Sequence 2.5 PT/A Touchdown Total 24 OZ/A A13886 2.5 PT/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A A14941 2.5 PT/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A A18886 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A Touchdown Total 24 OZ/A Touch		~					Oct-24-06	Oct-24-06
ARM Action Codes # Subsamples, Dec. Trt Treatment								
# Subsamples, Dec. Trt Treatment No. Name Rate Unit 25 26 27 28 29 30 31 1 Non-treated 0 b 0 e 0 b 0 b 0 e 0 b 122.0 b 2 Sequence 2.5 PT/A Touchdown Total 24 OZ/A Sequence 2.5 PT/A Touchdown Total 24 OZ/A A13886 2.5 PT/A 4 A14941 2.5 PT/A 100 a 99 a 99 a 100 a 99 a 11 a 3233.6 a 100 a 99 a 11 a 3233.6 a 100 a 99 a 100 a 99 a 12 a 3580.6 a 100		75 DA-A	52 DA-A	75 DA-A	52 DA-A	75 DA-A		77.44
Trit Treatment No. Name Rate Unit 25 26 27 28 29 30 31 1 Non-treated 0 b 0 e 0 b 0 b 0 e 0 b 0 e 0 b 0 e 0 b 0 e 0 b 0 e 0 b 0 e 0 b 0 e 0 b 0 e 0 e 0 e								IY1
No. Name Rate Unit 25 26 27 28 29 30 31 1 Non-treated 0 b 0 b 0 e 0 b 0 e 0 b 0 e 0 b 122.0 b 2 Sequence Touchdown Total 24 OZ/A Sequence 2.5 PT/A 24 OZ/A 99 ab 99 a 100 a 99 ab 11 a 3319.3 a 3 A13886 2.5 PT/A Touchdown Total 24 OZ/A A Touchdown Total 24 OZ/A A A14941 2.5 PT/A 100 a 99 a 85 a 100 a 97 abc 11 a 3233.6 a 5 Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 25 PT/A 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 5 Sequence 2.5 PT/A A 100 a 94 cd 98 a 100 a 94 cd 12 a 3628.5 a 6 Sequence 2.5 PT/A A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a 7 A13886 2.5 PT/A A 100 a 94 cd 98 a 100 a 93 d 11 a 3126.2 a 8 A14941 2.5 PT/A A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) 0.0 2.9 PT/A 100 a 93 d 10 a 93 d 11 a 3126.2								1
1 Non-treated 0 b 0 e 0 b 0 e 0 b 0 e 0 b 122.0 b 2 Sequence 2.5 PT/A Touchdown Total 24 OZ/A Sequence 2.5 PT/A 100 a 99 a 100 a 99 ab 11 a 3319.3 a 3 A13886 Sequence 2.5 PT/A Touchdown Total 24 OZ/A AT Sequence 2.5 PT/A 100 a 99 a 100 a 99 a 11 a 3068.1 a 4 A14941 Sequence 2.5 PT/A Touchdown Total 24 OZ/A AT Sequence 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a 5 Touchdown Total 24 OZ/A AT Sequence 2.5 PT/A 100 a 99 a 99 a 100 a 99 a 12 a 3580.6 a 6 Sequence Sequence 2.5 PT/A Sequence 2.5 PT/A Sequence 2.5 PT/A Sequence 99 a 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 6 Sequence Sequence 2.5 PT/A Sequence 2.5 PT/A Sequence 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a								
2 Sequence 2.5 PT/A 100 a 99 ab 99 a 100 a 99 ab 11 a 3319.3 a 3 A13886 2.5 PT/A 100 a 99 a 98 a 100 a 99 a 11 a 3068.1 a 4 A13886 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3068.1 a 4 A14941 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a 5 Touchdown Total 24 OZ/A 100 a 99 a 99 a 100 a 99 a 12 a 3580.6 a 5 Touchdown Total 24 OZ/A 100 a 99 a 99 a 100 a 99 a 12 a 3628.5 a 6 Sequence 2.5 PT/A 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 7 A13886 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a BCP (P=.05) 0.0 2.9 13.4	No. Name Rate U			27		29		
Touchdown Total 24 OZ/A Sequence 2.5 PT/A 100 a 99 a 98 a 100 a 99 a 11 a 3068.1 a Touchdown Total 24 OZ/A A13886 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a Touchdown Total 24 OZ/A A14941 2.5 PT/A 100 a 99 a 99 a 100 a 99 a 12 a 3580.6 a Touchdown Total 24 OZ/A Touchdown Total 24 OZ	1 Non-treated	0 b	0 e	0 b	0 b	8	0 b	
Sequence 2.5 PT/A 100 a 99 a 98 a 100 a 99 a 11 a 3068.1 a 3 A13886 2.5 PT/A 100 a 99 a 98 a 100 a 99 a 11 a 3068.1 a 4 A14941 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a 5 Touchdown Total 24 OZ/A A Touchdown Total 24 OZ/A 100 a 99 a 99 a 100 a 99 a 12 a 3580.6 a 6 Sequence 2.5 PT/A 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 8 A14941 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3628.5 a 8 A14941 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a LSD (P=.05) 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 2.31 10.91 0.0 2.31	•		99 ab	99 a	100 a	99 ab	11 a	3319.3 a
3 A13886								
Touchdown Total 24 OZ/A A13886 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a Touchdown Total 24 OZ/A A14941 2.5 PT/A 100 a 99 a 99 a 100 a 99 a 12 a 3580.6 a Touchdown Total 24 OZ/A 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a Sequence 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a A13886 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) Standard Deviation 0.0 1.9 9.1 0.0 1.9 1.3 389.62 CV 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251	Sequence 2.5 P	/A						
A13886 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a Touchdown Total 24 OZ/A A14941 2.5 PT/A 100 a 99 a 100 a 99 a 12 a 3580.6 a Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A 100 a 99 bc 99 a 100 a 96 bc 12 a 3628.5 a Sequence 2.5 PT/A Sequence 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a A13886 2.5 PT/A A13886 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a A14941 2.5 PT/A A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251			99 a	98 a	100 a	99 a	11 a	3068.1 a
4 A14941 2.5 PT/A Touchdown Total 24 OZ/A A14941 2.5 PT/A 100 a 97 abc 85 a 100 a 97 abc 11 a 3233.6 a 5 Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 24 OZ/A Touchdown Total 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 5 Sequence 2.5 PT/A Sequence 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a 7 A13886 2.5 PT/A A13886 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a 8 A14941 2.5 PT/A A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251 <td>Touchdown Total 24 O</td> <td>Z/A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Touchdown Total 24 O	Z /A						
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Touchdown Total 24 OZ/A Description	A14941 2.5 P	/A						
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Touchdown Total 24 OZ/A 99 a 100 a 96 bc 12 a 3628.5 a 6 Sequence 2.5 PT/A 100 a 96 bc 99 a 100 a 96 bc 12 a 3628.5 a 7 A13886 2.5 PT/A 100 a 94 cd 98 a 100 a 94 cd 12 a 3436.9 a 8 A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 1.9 9.1 0.0 1.9 1.3 389.62 CV 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251	Touchdown Total 24 O	Z /A						
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8 A14941 2.5 PT/A 100 a 93 d 89 a 100 a 93 d 11 a 3126.2 a LSD (P=.05) 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 1.9 9.1 0.0 1.9 1.3 389.62 CV 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251			3+ Ca	30 a	100 a	3+ 0a	12 0	0400.5 a
A14941 2.5 PT/A 0.0 2.9 13.4 0.0 2.9 2.0 573.05 Standard Deviation 0.0 1.9 9.1 0.0 1.9 1.3 389.62 CV 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251			93 Y	80 a	100 a	93 Y	11 2	3126.2 2
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Standard Deviation 0.0 1.9 9.1 0.0 1.9 1.3 389.62 CV 0.0 2.31 10.91 0.0 2.31 13.26 13.26 Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251			2.9	13.4	0.0	2.9	2.0	573.05
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Bartlett's X2 0.0 5.757 35.21 0.0 5.757 20.251 20.251								
. ,	P(Bartlett's X2)		0.218			0.218	0.005*	0.005*

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

Column 31: TY1 = 290.4*[30]

Weed and cotto	on response to several Sequence formulations.
Trial ID: C5-06	Study Dir.: Stanley Culpepper
Location: Attapulgus (pig fld)	Investigator: Stanley Culpepper
GENERAL TF	RIAL 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
TRIA	AL LOCATION
Altitude of LL Corner: Unit Directions: COOPERA Cooperator: Org: Address 1: Address 2:	Phone No: Fax No:
City: State/Prov: Postal Code: Conducted Under GLP (Y/N): N Guidelines: Objective: Conclusions:	
CEOR AND IS	WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	MOLVE	carpetweed	
2.	DEDTO	Florida beggarweed	
3.	IAQTA	smallflower morningglory	
4.	RCHSC	Florida beggarweed	
5.	AMAPA	Palmer amaranth	
6.	PANTE	Texas panicum	
7.	ACHNI	bristly starbur	

Variety: WR 485 Flex Soil Temperature: 85 F Soil Moisture: irrigated Emergence Date: May-24-06 SITE AND DESIGN

Plot Width, Unit: 12 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: Attapulgus Research Station

Tillage Type: conventional Study Design: RANDOMIZED COMPLETE BLOCK

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 84	4 % OM:	1.3	Texture:	loamy sand
% Silt: 8	pH:	6.0	Soil Name:	
% Clay: 8	CEC:		Fert. Level:	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall 1	Moisture	Conditions:		
Closest 1	Weather S	Station:	Distance:	Unit:

APPLICATION DESCRIPTION

	A	В	C	D
Application Date:	May-19-06	Jun-06-06	Jun-22-06	Jul-07-06
Time of Day:	10 am	2 pm	3 pm	10 am
Application Method:	broadcast	broadcast	broadcast	broadcast
Application Timing:	PRE	3 leaf	8 leaf	12 leaf
Applic. Placement:	on soil	overtop	overtop	overtop
Air Temp., Unit:	81 F	86 F	99 F	88 F
% Relative Humidity:	49	49	39	69
Wind Velocity, Unit:	2 mph	4 mph	3 mph	3 mph
Dew Presence (Y/N):	n	n	n	n
Water Hardness:				
Soil Temp., Unit:	85 F	92 F	101 F	97 F
Soil Moisture:	fair	moist	moist	moist
% Cloud Cover:	0	0	0	0

CROP STAGE AT EACH APPLICATION

	A	В	С	D
Crop 1 Code, Stage:	GOSHI PRE	GOSHI 3 leaf	GOSHI 8 leaf	GOSHI 12 leaf
Stage Scale:	not up	3 leaf	8 leaf	12 leaf
Height, Unit:	0 inch	3.5 inch	12 inch	22 inch

WEED STAGE AT EACH APPLICATION

	A	В	C	D
Weed 1 Code, Stage:	MOLVE PRE	MOLVE 3 leaf	MOLVE 8 leaf	MOLVE 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	8 ydsq	8 ydsq	8 ydsq
Weed 2 Code, Stage:	DEDTO PRE	DEDTO 3 leaf	DEDTO 8 leaf	DEDTO 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	1 ydsq	1 ydsq	1 ydsq
Weed 3 Code, Stage:	IAQTA PRE	IAQTA 3 leaf	IAQTA 8 leaf	IAQTA 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	2 ydsq	2 ydsq	2 ydsq
Weed 4 Code, Stage:	RCHSC PRE	RCHSC 3 leaf	RCHSC 8 leaf	RCHSC 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	5 ydsq	5 ydsq	5 ydsq
Weed 5 Code, Stage:	AMAPA PRE	AMAPA 3 leaf	AMAPA 8 leaf	AMAPA 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	2 ydsq	2 ydsq	2 ydsq
Weed 6 Code, Stage:	PANTE PRE	PANTE 3 leaf	PANTE 8 leaf	PANTE 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	8 ydsq	8 ydsq	8 ydsq
Weed 7 Code, Stage:	ACHNI PRE	ACHNI 3 leaf	ACHNI 8 leaf	ACHNI 12 leaf
Stage Scale:	not up	2-3 inch	3 inch	< 4 inch
Density, Unit:	0 ydsq	2 ydsq	2 ydsq	2 ydsq

APPLICATION EQUIPMENT

	A	В	С	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:	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
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