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Cotton and weed response to Pyrimax and Staple applied PRE and POST.

Trial ID: C37-09 Study Dir.: Stanley Culpepper
Location: Ponder Farm Investigator: Stanley Culpepper

Use 2 liters(s) per treatment mixture to spray 14.8 gal/ac
Plots: 12 by 25 feet

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
1	Non-treated								101	218	302	414
2	PyriMax	3.2	L	0.65	oz/a	PRE	A	0.6862 ml/mx	102	204	309	417
3	Staple LX	3.2	L	0.65	oz/a	PRE	A	0.6862 ml/mx	103	207	315	413
4	PyriMax	3.2	L	1.3	oz/a	PRE	A	1.372 ml/mx	104	201	304	418
5	Staple LX	3.2	L	1.3	oz/a	PRE	A	1.372 ml/mx	105	217	301	406
6	PyriMax	3.2	L	2.1	oz/a	PRE	A	2.217 ml/mx	106	203	318	407
7	Staple LX	3.2	L	2.1	oz/a	PRE	A	2.217 ml/mx	107	210	314	415
8	PyriMax	3.2	L	2.1	oz/a	PRE	A	2.217 ml/mx	108	215	316	403
	PyriMax	3.2	L	3	oz/a	POST	B	3.167 ml/mx				
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
9	Staple LX	3.2	L	2.1	oz/a	PRE	A	2.217 ml/mx	109	216	303	412
	Staple LX	3.2	L	3	oz/a	POST	B	3.167 ml/mx				
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
10	PyriMax	3.2	L	0.8	oz/a	POST	B	0.8445 ml/mx	110	209	308	411
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
11	Staple LX	3.2	L	0.8	oz/a	POST	B	0.8445 ml/mx	111	213	312	405
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
12	PyriMax	3.2	L	1.3	oz/a	POST	B	1.372 ml/mx	112	206	313	401
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
13	Staple LX	3.2	L	1.3	oz/a	POST	B	1.372 ml/mx	113	202	311	404
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
14	PyriMax	3.2	L	2.6	oz/a	POST	B	2.745 ml/mx	114	208	310	408
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
15	Staple LX	3.2	L	2.6	oz/a	POST	B	2.745 ml/mx	115	214	306	402
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
16	PyriMax	3.2	L	3.8	oz/a	POST	B	4.011 ml/mx	116	212	305	410
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
17	Staple LX	3.2	L	3.8	oz/a	POST	B	4.011 ml/mx	117	211	317	416
	NIS		L	0.25	% v/v	POST	B	4.999 ml/mx				
	Roundup WeatherMax	4.5	L	22	oz/a	POST	B	23.22 ml/mx				
18	Non-treated								118	205	307	409

Sort Order: Treatment

University of Georgia

Cotton and weed response to Pyrimax and Staple applied PRE and POST.

Trial ID: C37-09 Study Dir.: Stanley Culpepper
Location: Ponder Farm Investigator: Stanley Culpepper

Trial Comments

OBJECTIVE: Compare Staple LX and PyriMax applied PRE and POST in cotton.

COTTON RESPONSE:
1. PRE applications caused less than 3% stunting throughout the season. No differences in PyriMax and Staple were noted.
2. Injury from POST applications was light and ranged from 2 to 8% at 5 DAT with no differences among treatments noted.

WEED RESPONSE:
Palmer amaranth:
1. Unknown at the time oftrial initiation, ALS-resistant Palmer amaranth was present at this location and did impact results.
2. PRE applications provided 80 to 87% control at 17 DAT. By 29 DAT, control by PRE's was less than 70% when products were applied at 1.3 oz/A orless and control ranged from 78 to 83% with 2.1 oz/A. No differences in Staple and PyriMax were noted throughout the study when comparing PRE options.
3. POST applications of Staple or PyriMax provided little to no control with control from thesesystems predominately coming from the PRE treatment. ALS-resistance was evident at this location but no differences in PyriMax and Staple were noted.
4. Combinations of glyphosate plus pyrithiobac provided at least 90% control of emerged Palmer amaranth at 5 DAT. No differences in pyrithiobac rate were noted at 5 d after POST; however, by 26 d after POST the rate of pyrithiobac was impacting control with greater control coming from the higher rates providing greater residual activity.

Wild Radish:
1. PRE applications of pyrithiobac provided at least 90% control for 29 d. By 37 d, 0.65 oz was less effective than other rates; although higher rates continued to provide excellent control through 50 d (although shading from Palmerwas dominating the few emerged plants).
2. Glyphosate plus pyrithiobac provided excellent control of emerged plants and provided residual control lasting through the study.
3. No differences in Staple or PyriMax were noted.
4. Palmer amaranth was so dominating, the last rating could not be made.

Pitted Morningglory:
1. For PRE applications, a rate response was very evident with control ranging from 74 to 94% at 17 DAT. No differences in Staple or PyriMax were noted.
2. PRE followed by POST applications provided greater than 94% control at 13 d after POST applications.
3. POST applications of glyphosate + Staple or PyriMax provided excellent control. No impact of rate or pyrithiobac formulation was noted.
4. Palmer amaranth was so dominating, the last rating could not be made.

Large Crabgrass:
1. For PRE applications, a rate response was evident with control ranging from 59 to 86% at 17 DAT; however, control dropped rapidly withcontrol less than 54% by 29 d. No differences in Staple or PyriMax were noted.
2. PRE followed by POST applications provided less than 60% control at 13 d after POST applications.
3. POST applications of glyphosate + Staple or PyriMax provided excellent control of emerged plants and with the lack of Palmer control later emerging plants did not occur. No impact of rate or pyrithiobac formulation was noted.
4. Later ratings were not possible because of Palmer amaranth dominating most plots.

COMMENTS:
1. At time of POST applications, weeds in the PRE followed by POST systems were less than 4 inches in height.

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Cotton and weed response to Pyrimax and Staple applied PRE and POST.

Trial ID: C37-09 Study Dir.: Stanley Culpepper
Location: Ponder Farm Investigator: Stanley Culpepper

Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8	9
Weed Code				GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		AMAPA	AMAPA	AMAPA
Crop Code												
Rating Data Type				injury	injury	injury	injury	injury		control	control	control
Rating Unit				%	%	%	%	%		%	%	%
Rating Date				5/22/2009	5/31/2009	6/12/2009	6/20/2009	7/3/2009		5/31/2009	6/12/2009	6/20/2009
Trt-Eval Interval				8 DA-A	17 DA-A	5 DA-B	13 DA-B	26 DA-B		17 DA-A	5 DA-B	13 DA-B
1	Non-treated			0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		0.0 c	0.0 e	0.0 e
2	PyriMax	0.65	oz/a	0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		80.8 b	65.0 d	40.0 d
3	Staple LX	0.65	oz/a	0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		80.8 b	62.5 d	38.8 d
4	PyriMax	1.3	oz/a	0.0 a	0.0 a	0.8 e	0.0 a	0.0 a		81.3 ab	64.5 d	43.8 cd
5	Staple LX	1.3	oz/a	0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		86.8 ab	68.8 d	36.3 d
6	PyriMax	2.1	oz/a	0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		84.0 ab	77.5 c	55.0 bc
7	Staple LX	2.1	oz/a	0.0 a	0.0 a	2.5 cde	0.0 a	0.0 a		86.8 ab	83.0 c	55.8 bc
8	PyriMax	2.1	oz/a	0.0 a	0.0 a	8.8 a	0.0 a	0.0 a		84.8 ab	81.5 c	58.5 b
	PyriMax	3	oz/a									
	NIS	0.25	% v/v									
9	Staple LX	2.1	oz/a	0.0 a	0.0 a	5.8 abc	0.0 a	0.0 a		87.5 a	81.3 c	58.8 b
	Staple LX	3	oz/a									
	NIS	0.25	% v/v									
10	PyriMax	0.8	oz/a	0.0 a	0.0 a	5.0 bcd	0.0 a	0.0 a		0.0 c	90.0 b	81.3 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
11	Staple LX	0.8	oz/a	0.0 a	0.0 a	3.0 cde	0.0 a	0.0 a		0.0 c	92.0 ab	83.5 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
12	PyriMax	1.3	oz/a	0.0 a	0.0 a	1.8 de	0.0 a	0.0 a		0.0 c	92.5 ab	83.5 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
13	Staple LX	1.3	oz/a	0.0 a	0.0 a	2.5 cde	0.0 a	0.0 a		0.0 c	92.5 ab	80.3 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
14	PyriMax	2.6	oz/a	0.0 a	0.0 a	2.3 cde	0.0 a	0.0 a		0.0 c	95.0 ab	89.0 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
15	Staple LX	2.6	oz/a	0.0 a	0.0 a	2.3 cde	0.0 a	0.0 a		0.0 c	95.0 ab	91.3 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
16	PyriMax	3.8	oz/a	0.0 a	0.0 a	7.8 ab	0.0 a	0.0 a		0.0 c	97.3 a	91.0 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
17	Staple LX	3.8	oz/a	0.0 a	0.0 a	5.5 abc	0.0 a	0.0 a		0.0 c	95.8 ab	90.3 a
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
18	Non-treated			0.0 a	0.0 a	0.0 e	0.0 a	0.0 a		0.0 c	0.0 e	0.0 e
LSD (P=.05)				0.00	0.00	3.61	0.00	0.00 .		6.64	6.38	13.16
Standard Deviation				0.00	0.00	2.55	0.00	0.00 .		4.70	4.51	9.31
CV				0.0	0.0	96.24	0.0	0.0 .		12.57	6.09	15.56
Bartlett's X2				0.0	0.0	7.75	0.0	0.0 .		6.001	26.832	23.607
P(Bartlett's X2)				.	.	0.736	.	. .		0.54	0.013*	0.072
Replicate F				0.000	0.000	1.627	0.000	0.000		1.252	1.049	2.185
Replicate Prob(F)				1.0000	1.0000	0.1946	1.0000	1.0000		0.3007	0.3789	0.1011
Treatment F				0.000	0.000	4.820	0.000	0.000		335.708	169.162	39.634
Treatment Prob(F)				1.0000	1.0000	0.0001	1.0000	1.0000		0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Trt No.	Treatment Name	Rate	Rate Unit	10	11	12	13	14	15	16	17	18
Weed Code				AMAPA	AMAPA		RAPRA	RAPRA	RAPRA	RAPRA		IPOLA
Crop Code												
Rating Data Type				control	control		control	control	control	control		control
Rating Unit				%	%		%	%	%	%		%
Rating Date				7/3/2009	7/21/2009		5/31/2009	6/12/2009	6/20/2009	7/3/2009		5/31/2009
Trt-Eval Interval				26 DA-B	44 DA-B		17 DA-A	5 DA-B	13 DA-B	26 DA-B		17 DA-A
1	Non-treated			0.0 e	0.0 f		0.0 c	0.0 c	0.0 c	0.0 d		0.0 d
2	PyriMax	0.65	oz/a	25.0 d	0.0 f		92.0 b	90.8 b	89.0 b	83.5 c		76.3 c
3	Staple LX	0.65	oz/a	27.5 d	0.0 f		95.5 ab	94.5 ab	89.8 b	84.0 c		73.8 c
4	PyriMax	1.3	oz/a	27.5 d	0.0 f		99.0 a	94.5 ab	99.0 a	95.5 ab		83.8 b
5	Staple LX	1.3	oz/a	31.5 d	0.0 f		99.0 a	97.0 a	98.0 a	94.3 b		84.8 b
6	PyriMax	2.1	oz/a	37.5 d	0.0 f		99.0 a	95.3 ab	99.0 a	94.0 b		93.0 a
7	Staple LX	2.1	oz/a	36.3 d	0.0 f		94.3 b	95.8 ab	98.0 a	97.5 ab		93.8 a
8	PyriMax	2.1	oz/a	53.3 c	20.0 e		98.8 a	98.0 a	99.0 a	98.0 ab		92.8 a
	PyriMax	3	oz/a									
	NIS	0.25	% v/v									
9	Staple LX	2.1	oz/a	54.0 c	25.0 e		98.8 a	99.0 a	99.0 a	97.5 ab		93.3 a
	Staple LX	3	oz/a									
	NIS	0.25	% v/v									
10	PyriMax	0.8	oz/a	63.5 bc	25.0 e		0.0 c	96.0 ab	99.0 a	97.5 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
11	Staple LX	0.8	oz/a	62.0 bc	26.3 e		0.0 c	96.0 ab	99.0 a	97.5 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
12	PyriMax	1.3	oz/a	72.8 ab	42.5 d		0.0 c	97.0 a	99.0 a	97.5 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
13	Staple LX	1.3	oz/a	75.5 ab	47.5 cd		0.0 c	96.0 ab	99.0 a	97.5 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
14	PyriMax	2.6	oz/a	84.0 a	55.0 bc		0.0 c	95.0 ab	99.0 a	97.0 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
15	Staple LX	2.6	oz/a	81.8 a	57.5 b		0.0 c	93.8 ab	99.0 a	98.5 a		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
16	PyriMax	3.8	oz/a	85.8 a	68.8 a		0.0 c	95.0 ab	98.0 a	98.5 a		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
17	Staple LX	3.8	oz/a	83.5 a	66.3 a		0.0 c	93.8 ab	99.0 a	97.5 ab		0.0 d
	NIS	0.25	% v/v									
	Roundup WeatherMax	22	oz/a									
18	Non-treated			0.0 e	0.0 f		0.0 c	0.0 c	0.0 c	0.0 d		0.0 d
LSD (P=.05)				13.95	8.57	.	4.34	5.50	5.09	4.08	.	7.31
Standard Deviation				9.86	6.06	.	3.07	3.89	3.60	2.89	.	5.17
CV				19.69	25.16	.	7.11	4.59	4.15	3.4	.	13.45
Bartlett's X2				25.163	6.438	.	28.263	32.522	18.21	37.393	.	30.36
P(Bartlett's X2)				0.048*	0.695	.	0.001*	0.001*	0.001*	0.001*	.	0.001*
Replicate F				6.360	1.420		0.607	6.108	1.773	8.374		2.345
Replicate Prob(F)				0.0010	0.2476		0.6133	0.0012	0.1641	0.0001		0.0838
Treatment F				32.448	72.950		1047.229	252.549	310.861	466.333		296.512
Treatment Prob(F)				0.0001	0.0001		0.0001	0.0001	0.0001	0.0001		0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)
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Trt No.	Treatment Name	Rate	Rate Unit													
Weed Code				IPOLA		IPOLA		IPOLA			DIGSA		DIGSA		DIGSA	
Crop Code											GOSHI		GOSHI		GOSHI	
Rating Data Type				control		control		control			control		control		control	
Rating Unit				%		%		%			%		%		%	
Rating Date				6/12/2009		6/20/2009		7/3/2009			5/31/2009		6/12/2009		6/20/2009	
Trt-Eval Interval				5 DA-B		13 DA-B		26 DA-B			17 DA-A		5 DA-B		13 DA-B	
				19		20		21		22	23		24		25	
1	Non-treated			0.0	f	0.0	g	0.0	f		0.0	f	0.0	f	0.0	f
2	PyriMax	0.65	oz/a	77.5	cd	70.0	f	65.0	e		58.8	e	35.0	e	26.3	e
3	Staple LX	0.65	oz/a	81.3	c	72.5	ef	67.5	de		65.0	d	40.0	de	35.0	de
4	PyriMax	1.3	oz/a	83.8	bc	75.0	def	66.3	de		72.5	c	36.3	e	40.0	cd
5	Staple LX	1.3	oz/a	82.5	c	77.5	de	70.0	cde		74.0	c	39.8	de	35.0	de
6	PyriMax	2.1	oz/a	91.3	ab	80.0	cd	76.3	cd		82.5	b	46.3	cd	46.3	bcd
7	Staple LX	2.1	oz/a	94.3	a	85.0	bc	80.0	bc		86.3	ab	53.8	bc	48.8	bc
8	PyriMax	2.1	oz/a	98.0	a	94.8	a	88.5	ab		88.8	a	55.0	bc	57.5	b
	PyriMax	3	oz/a													
	NIS	0.25	% v/v													
9	Staple LX	2.1	oz/a	98.0	a	93.8	a	91.5	a		86.0	ab	57.5	b	55.0	b
	Staple LX	3	oz/a													
	NIS	0.25	% v/v													
10	PyriMax	0.8	oz/a	64.5	e	89.8	ab	93.0	a		0.0	f	99.0	a	97.5	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
11	Staple LX	0.8	oz/a	69.5	de	91.5	a	96.5	a		0.0	f	99.0	a	97.8	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
12	PyriMax	1.3	oz/a	72.0	de	91.8	a	97.0	a		0.0	f	99.0	a	98.3	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
13	Staple LX	1.3	oz/a	69.5	de	90.8	ab	94.8	a		0.0	f	98.0	a	97.8	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
14	PyriMax	2.6	oz/a	67.5	e	91.5	a	96.0	a		0.0	f	99.0	a	97.8	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
15	Staple LX	2.6	oz/a	65.0	e	90.0	ab	98.0	a		0.0	f	99.0	a	98.5	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
16	PyriMax	3.8	oz/a	70.0	de	93.3	a	98.0	a		0.0	f	99.0	a	98.5	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
17	Staple LX	3.8	oz/a	66.3	e	93.8	a	98.3	a		0.0	f	99.0	a	98.0	a
	NIS	0.25	% v/v													
	Roundup WeatherMax	22	oz/a													
18	Non-treated			0.0	f	0.0	g	0.0	f		0.0	f	0.0	f	0.0	f
LSD (P=.05)				8.40		6.21		10.33		.	6.08		9.52		12.41	
Standard Deviation				5.94		4.39		7.31		.	4.30		6.73		8.78	
CV				8.55		5.73		9.55		.	12.6		10.5		14.01	
Bartlett's X2				29.591		22.046		58.024		.	12.359		15.591		71.732	
P(Bartlett's X2)				0.013*		0.107		0.001*		.	0.089		0.049*		0.001*	
Replicate F				5.246		3.150		2.362			0.512		4.196		1.763	
Replicate Prob(F)				0.0031		0.0328		0.0822			0.6757		0.0099		0.1659	
Treatment F				86.803		174.278		68.974			343.989		110.198		66.456	
Treatment Prob(F)				0.0001		0.0001		0.0001			0.0001		0.0001		0.0001	

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Cotton and weed response to Pyrimax and Staple applied PRE and POST.

Trial ID: C37-09 Study Dir.: Stanley Culpepper
Location: Ponder Farm Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31795
Investigator: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31795

TRIAL LOCATION

City: Ty Ty **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: 31795 **Initiation Date:** 5/14/2009
Country: USA

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND WEED DESCRIPTION

	Weed Code	Common Name	Scientific Name
1.	AMAPA	Amaranth, Palmer	Amaranthus palmeri
2.	IPOLA	Morningglory, pitted	Ipomoea lacunosa
3.	RAPRA	Wild radish	Raphanus raphanistrum
4.	DIGSA	Large crabgrass	Digitaria sanguinalis

Crop 1: GOSHI COTTON, SHORT STAPLE **Variety:** PHY 375 WRF
Planting Date: 5/14/2009 **Planting Method:** seeded
Rate: 3 foot **Depth:** 0.5 in
Row Spacing: 36 in **Spacing Within Row:** 4 in **Seed Bed:** raised, bedded
Soil Temperature: 85 F **Soil Moisture:** moist **Emergence Date:** 5/19/2009

SITE AND DESIGN

Plot Width, Unit: 12 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: Ponder research farm
Tillage Type: conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 90 **% OM:** 1 **Texture:** sand
% Silt: 4 **pH:** 6.4
% Clay: 6

Overall Moisture Conditions: moist
Closest Weather Station: on site **Distance:** 200 **Unit:** yd

APPLICATION DESCRIPTION

	A	B
Application Date:	5/14/2009	6/7/2009
Time of Day:	2:00 pm	8:00 am
Application Method:	broadcast	broadcast
Application Timing:	PRE	POST
Applic. Placement:	on soil	overtop
Air Temp., Unit:	85 F	78 F
% Relative Humidity:	50	86
Wind Velocity, Unit:	0 mph	0 mph
Dew Presence (Y/N):	N	Y
Soil Temp., Unit:	85 F	82 F
Soil Moisture:	moist	wet
% Cloud Cover:	50	100

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GOSHI PRE	GOSHI POST
Stage Scale:	not up	4 leaf
Height, Unit:	0 in	6 in

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA PRE	AMAPA POST
Stage Scale:	not up	up to 8"
Density, Unit:	. .	12 ydsq
Weed 2 Code, Stage:	IPOLA PRE	IPOLA POST
Stage Scale:	not up	up to 6"
Density, Unit:	. .	4 ydsq
Weed 3 Code, Stage:	RAPRA PRE	RAPRA POST
Stage Scale:	not up	up to 4"
Density, Unit:	. .	2 ydsq
Weed 4 Code, Stage:	DIGSA PRE	DIGSA POST
Stage Scale:	not up	up to 4"
Density, Unit:	. .	4 ydsq

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	backpack	backpack
Operating Pressure:	psi	psi
Nozzle Type:	flat fan	flat fan
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	18 in	18 in
Nozzles/Row:	2	2
Boom Length, Unit:	4.5 ft	4.5 ft
Boom Height, Unit:	15 in	15 in
Ground Speed, Unit:	3 mph	3 mph
Carrier:	water	water
Spray Volume, Unit:	15 GPA	15 GPA
Propellant:	CO2	CO2
Tank Mix (Y/N):	Y	Y