

University of Georgia

Transplant mulched pepper and tomato response to Reflex applied preplant or directed.

Trial ID: Veg3-10

Study Dir.: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

Use 3 liters(s) per treatment mixture to spray 25 gal/ac

Plots: 6 by 40 feet

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. 1	By Rep 2	3
1	Non-treted control								101	206	307
2	Reflex	2	SL	12	oz/a	pre-tran	A	11.25 ml/mx	102	205	308
3	Reflex	2	SL	16	oz/a	pre-tran	A	15.0 ml/mx	103	204	309
4	Reflex	2	SL	20	oz/a	pre-tran	A	18.75 ml/mx	104	208	301
5	Reflex	2	SL	24	oz/a	pre-tran	A	22.5 ml/mx	105	209	303
6	Reflex	2	SL	32	oz/a	pre-tran	A	30.0 ml/mx	106	207	302
7	Reflex	2	SL	48	oz/a	pre-tran	A	45.0 ml/mx	107	203	306
8	Reflex Dual Magnum	2 7.64	SL EC	16 1	oz/a pt/a	pre-tran POST	A B	15.0 ml/mx 15.0 ml/mx	108	202	304
9	Devrinol Dual Magnum Dual Magnum	2 7.64 7.64	EC EC EC	1.5 6 10	lb ai/a oz/a oz/a	pre-tran pre-tran POST	A A B	89.99 ml/mx 5.624 ml/mx 9.374 ml/mx	109	201	305

Sort Order: Treatment

Trial Comments

COMMENTS: Determine tomato and pepper response to Reflex applied preplant under mulch.

VISUAL CROP INJURY:

1. Banana pepper injury (stunting) was at most 7% with all treatments, even with 48 oz/A of Reflex.
2. Tomato was more sensitive than pepper. At 3 wk after transplant, Reflex at 48 oz was causing 20% stunting with all other treatments causing 5% or less. By 4 wk after transplant, Reflex at 20 to 32 oz caused 5 to 8% stunting with Reflex at 48 oz stunting tomato 25%. No stunting from any treatment was noted by 7 wk after transplant.

VISUAL NUTSEDGE CONTROL:

1. By 3 wk after preplant treatments (4/8/10), less than 50% control was noted with Reflex at 20 oz/A or less; 53 to 57% control was noted with 24 to 32 oz, and 70% control was noted with 48 oz.
2. Reflex is not as effective applied under mulch as applied to bare soil; however, Reflex in combination with a fumigant system would likely be very effective in controlling nutsedge.

PLANT HEIGHTS:

1. Twenty pepper plants per plot were measured 3 times during the season. No height differences were noted.
2. Ten tomato plants per plot were measured 3 times during the season. Reflex at 48 oz did reduce tomato height 10% compared to the control just prior to harvest.

PEPPER YIELDS:

1. Jumbo pepper were harvested four times by a growers crew.
2. No treatment impacted yield. A trend for lower fruit were noted in the control which may have been a response to nutsedge, although populations were light enough a yield loss would not have been expected.

TOMATO YIELDS:

1. Tomato were harvested seven times as soon as they started turning. Each time fruit were graded according to USDA standards.
2. When comparing individual fruit sizes over the 7 harvest there were no losses in yield due to treatment.
3. Also when adding all fruit sizes and harvest dates, Reflex did not impact yield.

GENERAL COMMENTS:

1. Forty pepper plants per plot and 10 tomato plants per plot.
2. All plants were harvested each time.

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Transplant mulched pepper and tomato response to Reflex applied preplant or directed.

Trial ID: Veg3-10
Location: Ponder Farm

Study Dir.: Stanley Culpepper
Investigator: Stanley Culpepper

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Crop Stage

Crop Stage Scale

ARM Action Codes

Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8	9	
1	Non-treted control			0.0	a 0.0 d	0.0	a 0.0	a 0.0	a 0.0	a 0.0	a 0.0	a 0.0	a
2	Reflex	12	oz/a	0.0	a 5.0 abc	3.3	a 0.0	a 1.7	a 6.7	a 0.0	a 0.0	a 0.0	a
3	Reflex	16	oz/a	0.0	a 3.3 bcd	1.7	a 0.0	a 0.0	a 1.7	a 0.0	a 0.0	a 0.0	a
4	Reflex	20	oz/a	1.7	a 5.0 abc	6.7	a 3.3	a 1.7	a 3.3	a 0.0	a 0.0	a 0.0	a
5	Reflex	24	oz/a	1.7	a 5.0 abc	3.3	a 3.3	a 0.0	a 1.7	a 0.0	a 0.0	a 0.0	a
6	Reflex	32	oz/a	1.7	a 5.0 abc	5.0	a 3.3	a 0.0	a 1.7	a 0.0	a 0.0	a 0.0	a
7	Reflex	48	oz/a	1.7	a 1.7 cd	1.7	a 3.3	a 0.0	a 1.7	a 0.0	a 0.0	a 0.0	a
8	Reflex	16	oz/a	1.7	a 6.7 ab	6.7	a 3.3	a 0.0	a 3.3	a 0.0	a 0.0	a 0.0	a
9	Dual Magnum	1	pt/a										
	Devrinol	1.5	lb ai/a	0.0	a 8.3 a	3.3	a 1.7	a 0.0	a 1.7	a 1.7	a 0.0	a 0.0	a
	Dual Magnum	6	oz/a										
	Dual Magnum	10	oz/a										
LSD (P=.05)				3.77	4.33	5.27	4.75	2.43	5.83	1.67	0.00	0.00	
Standard Deviation				2.18	2.50	3.04	2.74	1.40	3.37	0.96	0.00	0.00	
CV				235.27	56.25	86.48	134.65	378.73	139.9	519.62	0.0	0.0	
Bartlett's X2				0.0	1.072	2.77	2.502	0.0	2.027	0.0	0.0	0.0	
P(Bartlett's X2)				0.001*	0.899	0.837	0.776	1.00	0.958	.	.	.	
Replicate F				0.780	1.333	3.700	5.292	0.471	0.082	1.000	0.000	0.000	
Replicate Prob(F)				0.4749	0.2914	0.0478	0.0172	0.6330	0.9220	0.3897	1.0000	1.0000	
Treatment F				0.488	3.000	1.675	1.046	0.824	0.939	1.000	0.000	0.000	
Treatment Prob(F)				0.8474	0.0293	0.1807	0.4439	0.5940	0.5127	0.4726	1.0000	1.0000	

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

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Crop Stage

Crop Stage Scale

ARM Action Codes

	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY
	%	%	%	%	%	%	%	%	%
	3/26/2010	4/2/2010	4/8/2010	4/15/2010	4/22/2010	4/30/2010	5/6/2010	5/13/2010	6/21/2010

Trt No.	Treatment Name	Rate	Unit	11	12	13	14	15	16	17	18	19
1	Non-treted control			0.0	a 0.0	c 0.0	b 0.0	c 0.0	a 0.0	a 0.0	a 0.0	a
2	Reflex	12	oz/a	0.0	a 3.3	ab 0.0	b 1.7	c 1.7	a 0.0	a 0.0	a 0.0	a
3	Reflex	16	oz/a	0.0	a 3.3	ab 0.0	b 1.7	c 0.0	a 3.3	a 0.0	a 0.0	a
4	Reflex	20	oz/a	0.0	a 1.7	bc 5.0	b 5.0	bc 0.0	a 0.0	a 0.0	a 0.0	a
5	Reflex	24	oz/a	0.0	a 3.3	ab 3.3	b 5.0	bc 5.0	a 3.3	a 0.0	a 0.0	a
6	Reflex	32	oz/a	0.0	a 5.0	a 5.0	b 8.3	b 6.0	a 0.0	a 0.0	a 0.0	a
7	Reflex	48	oz/a	0.0	a 5.0	a 20.0	a 25.0	a 8.3	a 1.7	a 0.0	a 0.0	a
8	Reflex	16	oz/a	0.0	a 5.0	a 1.7	b 5.0	bc 0.0	a 5.0	a 0.0	a 0.0	a
	Dual Magnum	1	pt/a									
9	Devrinol	1.5	lb ai/a	0.0	a 5.0	a 1.7	b 5.0	bc 5.0	a 3.3	a 0.0	a 1.7	a
	Dual Magnum	6	oz/a									
	Dual Magnum	10	oz/a									
LSD (P=.05)				0.00	2.82	10.08	5.27	6.50	6.18	0.00	1.67	0.00
Standard Deviation				0.00	1.63	5.82	3.04	3.75	3.57	0.00	0.96	0.00
CV				0.0	46.37	142.94	48.33	129.9	192.68	0.0	519.62	0.0
Bartlett's X2				0.0	0.0	9.259	1.362	3.956	1.665	0.0	0.0	0.0
P(Bartlett's X2)				.	1.00	0.055	0.851	0.412	0.797	.	.	.
Replicate F				0.000	4.522	0.109	0.100	0.497	0.509	0.000	1.000	0.000
Replicate Prob(F)				1.0000	0.0278	0.8972	0.9054	0.6174	0.6105	1.0000	0.3897	1.0000
Treatment F				0.000	3.478	3.509	17.950	2.213	0.891	0.000	1.000	0.000
Treatment Prob(F)				1.0000	0.0162	0.0156	0.0001	0.0839	0.5456	1.0000	0.4726	1.0000

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Weed Code	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%	%	%
Rating Date	3/26/2010	4/2/2010	4/8/2010	4/15/2010	4/22/2010	4/30/2010	5/6/2010	5/13/2010
Crop Stage								
Crop Stage Scale								
ARM Action Codes								

Trt No.	Treatment Name	Rate	Unit	21		22		23		24		25		26		27		28	
1	Non-treted control			0.0	c	0.0	c	0.0	d	0.0	e	0.0	d	0.0	e	0.0	f	0.0	f
2	Reflex	12	oz/a	25.0	b	15.0	bc	26.7	c	40.0	d	30.0	c	31.7	d	31.7	e	25.0	e
3	Reflex	16	oz/a	30.0	b	31.7	a	45.0	b	51.7	bc	33.3	c	36.7	cd	38.3	cde	36.7	d
4	Reflex	20	oz/a	36.7	ab	30.0	ab	46.7	b	56.7	b	38.3	bc	43.3	bc	45.0	bcd	43.3	c
5	Reflex	24	oz/a	36.7	ab	31.7	a	56.7	ab	56.7	b	48.3	ab	43.3	bc	46.7	bc	43.3	c
6	Reflex	32	oz/a	43.3	a	40.0	a	53.3	ab	58.3	b	55.0	a	53.3	ab	50.0	b	51.7	b
7	Reflex	48	oz/a	46.7	a	40.0	a	70.0	a	80.0	a	53.3	a	55.0	a	65.0	a	61.7	a
8	Reflex	16	oz/a	30.0	b	30.0	ab	46.7	b	45.0	cd	38.3	bc	36.7	cd	36.7	de	35.0	d
9	Dual Magnum	1	pt/a																
	Devrinol	1.5	lb ai/a	26.7	b	6.7	c	3.3	d	6.7	e	5.0	d	5.0	e	6.7	f	5.0	f
	Dual Magnum	6	oz/a																
	Dual Magnum	10	oz/a																
LSD (P=.05)				12.74		16.06		17.57		8.83		12.81		10.60		8.59		6.26	
Standard Deviation				7.36		9.28		10.15		5.10		7.40		6.12		4.97		3.62	
CV				24.09		37.12		26.22		11.63		22.07		18.07		13.96		10.79	
Bartlett's X2				2.078		4.973		8.377		3.435		4.88		1.601		3.949		3.229	
P(Bartlett's X2)				0.912		0.547		0.301		0.753		0.559		0.901		0.786		0.78	
Replicate F				0.154		6.806		0.252		1.280		0.524		4.667		0.789		4.743	
Replicate Prob(F)				0.8587		0.0073		0.7805		0.3050		0.6018		0.0253		0.4713		0.0241	
Treatment F				10.231		7.185		16.661		75.280		21.023		30.056		51.887		95.646	
Treatment Prob(F)				0.0001		0.0004		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	

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Weed Code	AVG20PLA	AVG20PLA	AVG20PLA	HAR1-4	HAR1-4	AVG10PLA	AVG10PLA										
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	LYPES										
Part Rated				JUMBO	JUMBO												
Rating Data Type	HEIGHTS	HEIGHTS	HEIGHTS			HEIGHTS	HEIGHTS										
Rating Unit	CM	CM	CM	#/PLOT	LB/PLOT	CM	CM										
Rating Date	3/30/2010	4/14/2010	5/7/2010	6/24/2010	6/24/2010	3/30/2010	4/14/2010										
Crop Stage	20 PLANT	20PLANTS	20PLANTS			10PLANTS	10PLANTS										
Crop Stage Scale																	
ARM Action Codes	T1	T2	T3	T7	T8	T4	T5										
Trt	Treatment	Rate	Rate														
No.	Name		Unit	50	72	94	105	106	118	130							
1	Non-treted control			11.600	a	19.456142	a	46.600	a	687.7	a	123.900	a	12.70	a	25.03	a
2	Reflex	12	oz/a	11.717	a	19.736841	a	47.383	a	934.0	a	145.500	a	12.57	a	24.03	ab
3	Reflex	16	oz/a	11.800	a	19.947369	a	47.683	a	924.0	a	144.917	a	12.53	a	23.60	ab
4	Reflex	20	oz/a	13.500	a	20.842108	a	48.433	a	937.3	a	147.217	a	12.70	a	23.13	b
5	Reflex	24	oz/a	11.300	a	22.649121	a	46.417	a	952.0	a	147.333	a	12.63	a	22.93	b
6	Reflex	32	oz/a	11.767	a	19.491228	a	46.200	a	964.0	a	147.100	a	12.70	a	23.40	ab
7	Reflex	48	oz/a	11.617	a	19.771929	a	47.017	a	902.0	a	139.683	a	12.87	a	20.60	c
8	Reflex	16	oz/a	11.250	a	18.842106	a	45.050	a	907.0	a	134.600	a	15.83	a	22.40	bc
	Dual Magnum	1	pt/a														
9	Devrinol	1.5	lb ai/a	11.350	a	19.210526	a	45.383	a	985.3	a	149.667	a	12.43	a	24.23	ab
	Dual Magnum	6	oz/a														
	Dual Magnum	10	oz/a														
LSD (P=.05)				1.7485		3.0543245		2.3206		220.42		28.2336		3.460		1.883	
Standard Deviation				1.0101		1.7645134		1.3406		127.34		16.3108		1.999		1.088	
CV				8.58		8.83		2.87		13.99		11.47		15.38		4.68	
Bartlett's X2				3.23		15.941		7.287		3.464		17.819		38.462		9.742	
P(Bartlett's X2)				0.919		0.043*		0.506		0.902		0.023*		0.001*		0.284	
Replicate F				17.727		4.826		40.974		1.167		0.064		1.122		1.809	
Replicate Prob(F)				0.0001		0.0229		0.0001		0.3366		0.9387		0.3500		0.1957	
Treatment F				1.366		1.249		1.947		1.419		0.773		0.861		4.045	
Treatment Prob(F)				0.2827		0.3344		0.1221		0.2617		0.6316		0.5667		0.0084	

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

Weed Code				AVG10PLA	HAR 1-7	HAR 1-7	HAR 1-7	HAR 1-7	HAR 1-7	HAR 1-7	HAR 1-7	HAR 1-7							
Crop Code				LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES							
Part Rated																			
Rating Data Type				HEIGHTS															
Rating Unit				CM	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot						
Rating Date				5/7/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010						
Crop Stage				AVG10PLA	XL fruit	XL fruit	L fruit	L fruit	M fruit	M fruit	M fruit	M fruit	S fruit						
Crop Stage Scale																			
ARM Action Codes				T6	T9	T10	T11	T12	T13	T14	T15								
Trt No.	Treatment Name	Rate	Rate Unit	142	207	208	209	210	211	212	213								
1	Non-treted control			64.93	ab	292.0	a	158.730	a	39.7	a	13.310	a	18.7	a	4.570	a	25.67	a
2	Reflex	12	oz/a	66.63	a	302.3	a	165.603	a	42.3	a	15.507	a	19.7	a	5.150	a	33.53	a
3	Reflex	16	oz/a	64.47	ab	295.3	a	161.020	a	34.0	a	11.837	a	31.3	a	7.710	a	29.80	a
4	Reflex	20	oz/a	64.57	ab	286.3	a	156.590	a	40.7	a	14.187	a	15.0	a	4.027	a	20.33	a
5	Reflex	24	oz/a	65.13	ab	286.3	a	155.940	a	44.0	a	14.663	a	21.7	a	5.747	a	21.67	a
6	Reflex	32	oz/a	62.40	b	279.7	a	160.143	a	38.7	a	14.533	a	31.7	a	7.733	a	48.67	a
7	Reflex	48	oz/a	58.43	c	264.3	a	146.037	a	46.7	a	15.157	a	30.0	a	7.677	a	23.00	a
8	Reflex	16	oz/a	61.63	bc	292.3	a	161.557	a	24.0	a	8.390	a	16.3	a	4.280	a	18.67	a
9	Dual Magnum	1	pt/a																
	Devrinol	1.5	lb ai/a	62.27	b	253.7	a	145.987	a	40.3	a	13.397	a	24.7	a	6.663	a	22.33	a
	Dual Magnum	6	oz/a																
	Dual Magnum	10	oz/a																
LSD (P=.05)				3.695	49.15	21.1356	22.20	8.8889	23.96	5.3200	30.445								
Standard Deviation				2.135	28.39	12.2102	12.82	5.1352	13.84	3.0734	17.589								
CV				3.37	10.01	7.78	32.94	38.2	59.6	51.65	64.96								
Bartlett's X2				9.695	14.206	4.761	6.857	9.283	12.408	10.34	19.515								
P(Bartlett's X2)				0.287	0.077	0.783	0.552	0.319	0.134	0.242	0.012*								
Replicate F				1.181	3.427	6.132	1.215	0.794	0.369	0.330	0.533								
Replicate Prob(F)				0.3323	0.0577	0.0105	0.3228	0.4690	0.6968	0.7234	0.5968								
Treatment F				3.980	0.899	0.922	0.798	0.548	0.658	0.748	0.851								
Treatment Prob(F)				0.0090	0.5398	0.5243	0.6128	0.8037	0.7202	0.6506	0.5742								

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

Weed Code	HAR 1-7	HAR 1-7	HAR 1-7
Crop Code	LYPES	LYPES	LYPES
Part Rated			
Rating Data Type			
Rating Unit	lb/plot	#/plot	lb/plot
Rating Date	6/23/2010	6/23/2010	6/23/2010
Crop Stage	S fruit	ALLSIZES	ALLSIZES
Crop Stage Scale			
ARM Action Codes	T16	T17	T18

Trt No.	Treatment Name	Rate	Rate Unit	214	215	216	217
1	Non-treted control			3.430	a	376.00	a 180.040 a
2	Reflex	12	oz/a	4.450	a	397.87	a 190.710 a
3	Reflex	16	oz/a	4.330	a	390.47	a 184.897 a
4	Reflex	20	oz/a	3.477	a	362.33	a 178.280 a
5	Reflex	24	oz/a	3.417	a	373.67	a 179.767 a
6	Reflex	32	oz/a	7.280	a	398.67	a 189.690 a
7	Reflex	48	oz/a	3.573	a	364.00	a 172.443 a
8	Reflex	16	oz/a	3.293	a	351.33	a 177.520 a
	Dual Magnum	1	pt/a				
9	Devrinol	1.5	lb ai/a	3.200	a	341.00	a 169.247 a
	Dual Magnum	6	oz/a				
	Dual Magnum	10	oz/a				
LSD (P=.05)				4.3169	.	53.183	17.8016
Standard Deviation				2.4939	.	30.724	10.2842
CV				61.58	.	8.24	5.7
Bartlett's X2				18.413	.	4.807	3.618
P(Bartlett's X2)				0.018*	.	0.778	0.89
Replicate F				0.290		4.267	11.657
Replicate Prob(F)				0.7524		0.0327	0.0008
Treatment F				0.802		1.303	1.467
Treatment Prob(F)				0.6097		0.3095	0.2442

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

Transplant mulched pepper and tomato response to Reflex
applied preplant or directed.

Trial ID: Veg3-10

Study Dir.: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper	Title: EXT. WEED SCIENCE
Affiliation: UNIVERSITY OF GEORGIA	
Postal Code: 31794	
Investigator: Stanley Culpepper	Title: EXT. WEED SCIENCE
Affiliation: UNIVERSITY OF GEORGIA	
Postal Code: 31794	

TRIAL LOCATION

City: TY TY	Trial Status: COMPLETED
State/Prov.: GEORGIA	Trial Reliability: EXCELLENT
Postal Code: 31795	Initiation Date: 2/18/2010
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. CYPES NUTSEDGE		CYPERUS ESCULENTUS

Crop 1: CPSAN BANANA PEPPER	Variety: BUDAFEST
Planting Date: 3/16/2010	Planting Method: TRANSPLANT-HAND
Rate: 1 FT	Depth: 2 IN
Row Spacing: 15 IN	Spacing Within Row: 12 IN
Soil Temperature: 76 F	Soil Moisture: MOIST
	Seed Bed: RAISED-MULCH

Crop 2: LYPES TOMATO	Variety: BELLA ROSA
Planting Date: 3/16/2010	Planting Method: TRANSPLANT-HAND
Rate: 1 18 IN	Depth: 2 IN
Row Spacing: 6 FT	Spacing Within Row: 18 IN
Soil Temperature: 76 F	Soil Moisture: MOIST
	Seed Bed: RAISED-MULCH

SITE AND DESIGN

Plot Width, Unit: 6 FT	Plot Length, Unit: 40 FT	Reps: 3
Site Type: PONDER FARM		
Tillage Type: PLASTICULTURE	Study Design: RANDOMIZED COMPLETE BLOCK	

SOIL DESCRIPTION

% Sand: 90	% OM: 0.8	
% Silt: 4	pH: 6.5	Soil Name: TIFTON SANDY LOAM
% Clay: 6		

Overall Moisture Conditions: DRIP IRRIGATION**Closest Weather Station:** www.griffin.uga.edu/aemn/**Distance:** 100 **Unit:** yd

APPLICATION DESCRIPTION

	A	B
Application Date:	2/18/2010	3/20/2010
Time of Day:	10:30 AM	9:00 AM
Application Method:	BAND	BROADCAST
Application Timing:	PRE-PLANT	
Applic. Placement:	IN BED	OVERTOP
Air Temp., Unit:	54 F	60 F
% Relative Humidity:	49	65
Wind Velocity, Unit:	5 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Soil Temp., Unit:	45 F	
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CPSAN POST	CPSAN POST
Stage Scale:	PREPLANT	6 LEAF
Height, Unit:	0 IN	3 IN
Crop 2 Code, Stage:	LYPES POST	LYPES POST
Stage Scale:	PRELANT	4 LEAF
Height, Unit:	0 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CYPES PREPLANT	CYPES POST

Stage Scale:	none emer	2 LEAF
Density, Unit:	see data	see data

University of Georgia

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	SUPER BED	BACKPACK
Operating Pressure:	26 PSI	26 PSI
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	8 IN	18 IN
Nozzles/Row:	6	2
Boom Length, Unit:	4 FT	4.5 FT
Boom Height, Unit:	10 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	H2O	H2O
Spray Volume, Unit:	25 GPA	15 GPA
Propellant:	CO2	CO2
Tank Mix (Y/N):	Y	Y