University of Georgia

Vegetable response to Reflex carryover when applied bareground or under mulch.

Trial ID: Veg17-11 Study Dir.: Stanley Culpepper
Location: TVP Investigator: Stanley Culpepper

Use 3 liters(s) per treatment mixture to spray 25 gal/ac
Plots: 6 by 50 feet

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Amt Product to Measure	Plot No. By Rep 1	2	3	4	5
1	Plasticulture None						101	203	306	402	501
2	Plasticulture Reflex	2	L	1	pt/a	15.0 ml/mx	102	202	304	403	502
3	Plasticulture Reflex	2	L	2	pt/a	30.0 ml/mx	103	201	305	401	503
4	Bareground None						104	206	302	406	504
5	Bareground Reflex	2	L	1	pt/a	15.0 ml/mx	105	204	303	404	505
6	Bareground Reflex	2	L	2	pt/a	30.0 ml/mx	106	205	301	405	506

Sort Order: Treatment

Trial Comments

OBJECTIVE: Determine the potential for Reflex carryover when applied in bareground or mulched systems.

WATERMELON (CROP 1):
1. Watermelon was transplanted 5 weeks after treatment.
2. Reflex did not visually injure watermelon.
3. Watermelon were planted twice as thick as needed. On May 11, every other plant was harvested for biomass. Reflex had no impact at any rate or in either system.
4. Watermelon were harvested twice and separated into 3 weight categories (5-10 lb, 10-20 lb, >20 lb). Reflex did not impact yield
5. Melons produced on plastic grew faster, were ready to harvest earlier, and produced greater yields.

MAY PLANTED CABBAGE (84 d after Reflex application):
1. Greater than 90% injury from both rates of Reflex under plastic were noted by mid-June
2. Injury was not noted with 1 pt of Reflex on baregound and 16% was noted with Reflex at 2 pt in mid-June.
3. Plants could not survive July heat.

MAY PLANTEDCUCUMBER (84 d after Reflex application):
1. Cucumber injury 1 month after transplant ranged from 33 to 66% when planted into a Reflex mulch system.
2. Less than 3% injury was noted when planted in soil treated with Reflex at 1 pt/A on bareground.
3. Injury of 9 to 15% was noted when planted into soil treated with Reflex at 2 pt/A on bareground.
4. Plants could not survive July heat.

SEPT PLANTED BROCCOLI - CROP 2 (203 d after Reflex application).
1. Severe injury was noted with both rates of Reflex in a mulch system >50%.
2. Less than 7% injury was noted with either rate of Reflex in bareground system.
3. Stand loss was at least 74% with Reflex under mulch, no impact from Reflex bareground.
4.Reflex under mulch reduced plant heights throughout the season, Reflex bareground had no impact.
5. Reflex under mulch reduced the number of harvested fruit at least 70% and weight at least 88%. Reflex bareground had no negative impact.

SEPT PLANTED CABBAGE - CROP 2 (203 d after Reflex application).
1. Severe injury was noted with both rates of Reflex in a mulch system >45%.
2. Less than 7% injury was noted with either rate of Reflex in bareground system.

University of Georgia

3. Stand loss was at least 46% with Reflex under mulch, no impact from Reflex bareground.
4. Reflex under mulch reduced plant heights throughout the season, Reflex bareground had no impact.
5. Reflex under mulch reduced the number of harvested fruit at least 48% and weight at least 60%. Reflex bareground had no negative impact.

GENERAL COMMENTS:

16/2/11	21 GPA PIC CHLOR 60 IN MULCHED BEDS
	12 GPA TELONE II IN BAREGROUND BEDS
3/25/2011	A pollinator melon was planted on the end of each plot.

University of Georgia

Vegetable response to Reflex carryover when applied bareground or under mulch.

Trial ID: Veg17-11 Study Dir.: Stanley Culpepper
Location: TVP Investigator: Stanley Culpepper

Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	13	23	24	25	26
	Weed Code						AVG8 PLA	AVG8PLAN			
	Crop Code			CITLA	CITLA	CITLA	CITLA	CITLA		CITLA	CITLA
	Rating Data Type			INJURY	INJURY	INJURY	HEIGHTS	HEIGHTS		BIOMASS	BIOMASS
	Rating Unit			%	%	%	CM	CM		#	FRUIT #
	Rating Date			4/4/2011	4/13/2011	5/3/2011	4/8/2011	4/19/2011		5/11/2011	5/11/2011
	Crop Stage						AVERAGE	AVERAGE		#/PLOT	TOTAL FU
	Crop Stage Scale										
	Assessed By			JS	JS	JS					
	Trt-Eval Interval			47 DA-A	56 DA-A	76 DA-A	51 DA-A	62 DA-A		84 DA-A	84 DA-A
	ARM Action Codes						T1	T2			
1	Plasticulture None			0.0 b	0.0 a	0.0 a	14.9500 b	32.1500 a		4.0 a	4.2 a
2	Plasticulture Reflex	1	pt/a	0.8 a	0.0 a	0.0 a	14.3750 b	32.7000 a		3.6 a	2.6 a
3	Plasticulture Reflex	2	pt/a	1.2 a	2.4 a	0.0 a	14.0500 b	31.3250 a		3.6 a	4.0 a
4	Bareground None			0.0 b	0.0 a	0.0 a	16.5250 a	16.0500 b		3.8 a	0.0 b
5	Bareground Reflex	1	pt/a	0.0 b	0.0 a	0.0 a	16.8000 a	16.7500 b		3.8 a	0.0 b
6	Bareground Reflex	2	pt/a	0.0 b	0.0 a	0.0 a	16.6000 a	15.9500 b		4.0 a	0.0 b
	LSD (P=.05)			0.69	2.94	0.00	1.43533	4.06393	.	0.55	2.20
	Standard Deviation			0.52	2.19	0.00	1.07050	3.03096	.	0.41	1.64
	CV			154.92	547.72	0.0	6.88	12.55	.	10.74	91.15
	Bartlett's X2			0.0	0.0	0.0	6.82	22.34	.	0.31	0.835
	P(Bartlett's X2)			1.00	.	.	0.234	0.001*	.	0.958	0.659
	Replicate F			2.500	1.000	0.000	1.735	2.563		1.200	0.136
	Replicate Prob(F)			0.0839	0.4362	1.0000	0.1916	0.0785		0.3489	0.9665
	Treatment F			5.300	1.000	0.000	6.637	40.950		0.960	7.787
	Treatment Prob(F)			0.0046	0.4489	1.0000	0.0016	0.0001		0.4706	0.0007

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Trt No.	Treatment Name	Rate	Rate Unit	27	87	88	89	90	93	94	95
Weed Code					HAR1-2	HAR1-2	HAR1-2	HAR1-2	MayPlant	MayPlant	
Crop Code				CITLA	CITLA	CITLA	CITLA	CITLA	BRSOL	BRSOL	
Rating Data Type				BIOMASS	HARVEST	HARVEST	HARVEST	HARVEST	INJURY	INJURY	
Rating Unit				LBS	LBS	LBS	LBS	LBS	%	%	
Rating Date				5/11/2011	6/21/2011	6/21/2011	6/21/2011	6/21/2011	5/25/2011	6/14/2011	
Crop Stage				TOTAL WT	5-10 lb	10-20 lb	>20 lb	ALLMELON			
Crop Stage Scale											
Assessed By									JS	SC	
Trt-Eval Interval				84 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	98 DA-A	118 DA-A	
ARM Action Codes					T14	T15	T16	T17			
1	Plasticulture None			13.82 a	44.46 a	92.36 a	4.02 a	140.84 abc	0.0 d	0.0 b	
2	Plasticulture Reflex	1	pt/a	12.74 a	36.82 a	106.16 a	13.64 a	156.62 a	70.0 b	91.2 a	
3	Plasticulture Reflex	2	pt/a	12.72 a	46.68 a	96.78 a	4.02 a	147.48 ab	87.0 a	97.0 a	
4	Bareground None			1.54 b	37.28 a	80.08 a	0.00 a	117.36 d	0.0 d	0.0 b	
5	Bareground Reflex	1	pt/a	3.12 b	41.20 a	82.16 a	0.00 a	123.36 cd	9.0 cd	0.0 b	
6	Bareground Reflex	2	pt/a	2.56 b	38.64 a	89.56 a	0.00 a	128.20 bcd	22.0 c	16.4 b	
LSD (P=.05)				2.965	18.422	18.195	11.970	20.735	15.77	16.93	.
Standard Deviation				2.211	13.740	13.570	8.927	15.464	11.76	12.63	.
CV				28.53	33.64	14.88	247.07	11.4	37.54	37.03	.
Bartlett's X2				24.522	4.123	24.119	0.628	6.206	5.662	11.562	.
P(Bartlett's X2)				0.001*	0.532	0.001*	0.731	0.287	0.129	0.003*	.
Replicate F				0.812	0.733	0.753	0.013	0.609	0.160	0.136	
Replicate Prob(F)				0.5359	0.5828	0.5703	0.9996	0.6622	0.9557	0.9668	
Treatment F				35.459	0.429	2.521	1.757	4.799	51.639	69.118	
Treatment Prob(F)				0.0001	0.8217	0.0725	0.1789	0.0072	0.0001	0.0001	

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Trt No.	Treatment Name	Rate	Rate Unit	96	97	98	99	100	101	102	103	104	105
Weed Code				MayPlant	MayPlant								
Crop Code				CUMSA	CUMSA			BRSOK	BRSOK	BRSOK	BRSOK	BRSOK	
Rating Data Type				INJURY	INJURY			INJURY	INJURY	INJURY	INJURY	INJURY	
Rating Unit				%	%			%	%	%	%	%	
Rating Date				5/25/2011	6/14/2011			9/22/2011	9/28/2011	6/13/2011	10/20/2011	10/28/2011	
Crop Stage													
Crop Stage Scale													
Assessed By				JS	SC			JS	JS	JS	SC	JS	
Trt-Eval Interval				98 DA-A	118 DA-A			218 DA-A	224 DA-A	117 DA-A	246 DA-A	254 DA-A	
ARM Action Codes													
1	Plasticulture None			0.0 c	0.0 c			0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	
2	Plasticulture Reflex	1	pt/a	33.0 b	39.8 b			64.0 b	51.4 b	71.0 b	74.0 b	63.4 b	
3	Plasticulture Reflex	2	pt/a	66.0 a	55.8 a			89.6 a	79.2 a	84.2 a	89.6 a	81.8 a	
4	Bareground None			0.0 c	0.0 c			0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	
5	Bareground Reflex	1	pt/a	2.0 c	2.4 c			0.0 c	0.0 c	0.0 c	3.0 c	0.0 c	
6	Bareground Reflex	2	pt/a	15.0 c	9.0 c			0.0 c	0.0 c	0.0 c	6.0 c	0.0 c	
LSD (P=.05)				16.69	12.55	.	.	4.87	7.52	7.52	7.42	5.54	.
Standard Deviation				12.45	9.36	.	.	3.64	5.61	5.61	5.53	4.13	.
CV				64.4	52.47	.	.	14.2	25.76	21.69	19.24	17.07	.
Bartlett's X2				11.465	3.144	.	.	0.833	1.605	0.122	1.738	0.003	.
P(Bartlett's X2)				0.009*	0.37	.	.	0.361	0.205	0.726	0.628	0.954	.
Replicate F				1.000	0.921			2.211	1.460	1.512	2.918	1.940	
Replicate Prob(F)				0.4362	0.4757			0.1139	0.2606	0.2457	0.0547	0.1527	
Treatment F				22.138	32.856			619.823	193.167	257.723	280.219	421.697	
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)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code															
Crop Code			BRSOK		AVG10PLA BRSOK		AVG10PLA BRSOK		AVG10PLA BRSOK		Plastic BRSOK	Plastic BRSOK		Baregrou BRSOK	
Rating Data Type			STAND CT		HEIGHTS		HEIGHTS		HEIGHTS		HARVEST	HARVEST		HARVEST	
Rating Unit			#/PLOT		CM		CM		CM		#	LB		#	
Rating Date			10/4/2011		9/26/2011		10/4/2011		10/27/2011		11/18/2011	11/18/2011		12/1/2011	
Crop Stage					AVERAGE		AVERAGE		AVERAGE		15 PLANT	TOTAL WT		15 PLANT	
Crop Stage Scale															
Assessed By															
Trt-Eval Interval			230 DA-A		222 DA-A		230 DA-A		230 DA-A		275 DA-A	275 DA-A		288 DA-A	
ARM Action Codes					T9		T11		T12						
Trt No.	Treatment Name	Rate	Rate Unit												
				106		118		130		142		145	146		147	
1	Plasticulture None			27.6	a	16.50	a	21.90	a	48.90	a	12.2	a 18.54	a	0.0	b
2	Plasticulture Reflex	1	pt/a	7.0	b	8.30	b	7.04	c	25.02	c	3.8	b 2.26	b	0.0	b
3	Plasticulture Reflex	2	pt/a	2.8	c	5.56	b	4.70	c	12.94	d	1.6	b 1.00	b	0.0	b
4	Bareground None			27.8	a	13.24	a	15.16	b	31.32	bc	0.0	b 0.00	b	15.0	a
5	Bareground Reflex	1	pt/a	28.2	a	14.46	a	16.26	b	34.66	b	0.0	b 0.00	b	15.0	a
6	Bareground Reflex	2	pt/a	27.4	a	14.42	a	16.46	b	33.08	bc	0.0	b 0.00	b	15.0	a
LSD (P=.05)				2.19		4.158		3.863		9.312		4.27	2.754		0.00	
Standard Deviation				1.63		3.101		2.881		6.945		3.19	2.054		0.00	
CV				8.11		25.67		21.21		22.41		108.61	56.53		0.0	
Bartlett's X2				8.371		7.644		6.739		6.564		7.733	3.87		0.0	
P(Bartlett's X2)				0.137		0.177		0.241		0.255		0.021*	0.144		.	
Replicate F				2.763		1.794		1.363		0.960		0.300	0.381		0.000	
Replicate Prob(F)				0.0640		0.1795		0.2905		0.4559		0.8733	0.8192		1.0000	
Treatment F				264.500		9.235		25.155		14.516		11.253	64.152		0.000	
Treatment Prob(F)				0.0001		0.0003		0.0001		0.0001		0.0001	0.0001		1.0000	

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

	148	149	150	151	152	153	154	155	156
Weed Code	Baregrou								
Crop Code	BRSOK			BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	
Rating Data Type	HARVEST			INJURY	INJURY	INJURY	INJURY	INJURY	
Rating Unit	LB			%	%	%	%	%	
Rating Date	12/1/2011			9/22/2011	9/28/2011	10/13/2011	10/20/2011	10/28/2011	
Crop Stage	TOTAL WT								
Crop Stage Scale									
Assessed By				JS	JS	JS	SC	JS	
Trt-Eval Interval	288 DA-A			218 DA-A	224 DA-A	239 DA-A	246 DA-A	254 DA-A	
ARM Action Codes									

Trt No.	Treatment Name	Rate	Rate Unit	148	149	150	151	152	153	154	155	156
1	Plasticulture None			0.00 b			0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	
2	Plasticulture Reflex	1	pt/a	0.00 b			76.4 b	64.0 b	55.0 b	53.0 b	46.0 b	
3	Plasticulture Reflex	2	pt/a	0.00 b			85.8 a	79.2 a	76.4 a	82.0 a	75.2 a	
4	Bareground None			12.10 a			0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	
5	Bareground Reflex	1	pt/a	12.74 a			0.0 c	0.0 c	0.0 c	3.0 c	0.0 c	
6	Bareground Reflex	2	pt/a	14.20 a			0.0 c	0.0 c	0.0 c	6.0 c	0.0 c	
LSD (P=.05)				2.373	.	.	5.30	5.31	5.70	7.77	4.65	.
Standard Deviation				1.770	.	.	3.96	3.96	4.25	5.79	3.47	.
CV				27.21	.	.	14.63	16.6	19.42	24.13	17.17	.
Bartlett's X2				4.042	.	.	3.282	0.006	2.351	1.23	1.197	.
P(Bartlett's X2)				0.133	.	.	0.07	0.936	0.125	0.746	0.274	.
Replicate F				0.250			1.546	2.481	2.209	0.832	3.119	
Replicate Prob(F)				0.9057			0.2364	0.0855	0.1141	0.5241	0.0447	
Treatment F				81.808			563.182	442.735	330.777	182.519	442.338	
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 separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code				AVG10PLA	AVG10PLA	AVG10PLA		Plastic	Plastic	Baregrou
Crop Code			BRSOL	BRSOL	BRSOL	BRSOL		BRSOL	BRSOL	BRSOL
Rating Data Type			STAND CT	HEIGHTS	HEIGHTS	HEIGHTS		HARVEST	HARVEST	HARVEST
Rating Unit			#/PLOT	CM	CM	CM		#	LB	#
Rating Date			10/4/2011	9/26/2011	10/4/2011	10/27/2011		12/8/2011	12/8/2011	12/19/2011
Crop Stage				AVERAGE	AVERAGE	AVERAGE		#/PLOT	TOTAL WT	#/PLOT
Crop Stage Scale										
Assessed By										
Trt-Eval Interval			230 DA-A	222 DA-A	230 DA-A	253 DA-A		295 DA-A	295 DA-A	306 DA-A
ARM Action Codes				T10	T13	T18				
Trt No.	Treatment Name	Rate	Rate Unit	157	169	181	193	194	195	196	197
1	Plasticulture None			25.6 a	13.24 a	19.32 a	39.28 a		15.0 a	43.44 a	0.0 b
2	Plasticulture Reflex	1	pt/a	14.0 b	10.68 a	10.28 c	13.78 c		7.8 b	16.70 b	0.0 b
3	Plasticulture Reflex	2	pt/a	2.8 c	4.76 b	5.44 d	8.48 d		2.2 c	5.24 c	0.0 b
4	Bareground None			27.0 a	12.90 a	14.14 b	23.20 b		0.0 d	0.00 d	14.6 a
5	Bareground Reflex	1	pt/a	27.6 a	13.24 a	14.38 b	25.54 b		0.0 d	0.00 d	14.6 a
6	Bareground Reflex	2	pt/a	27.2 a	12.96 a	14.30 b	25.32 b		0.0 d	0.00 d	15.0 a
LSD (P=.05)				3.69	3.520	3.652	3.984	.	1.41	4.699	0.41
Standard Deviation				2.75	2.625	2.724	2.971	.	1.05	3.504	0.30
CV				13.3	23.24	20.99	13.15	.	25.17	32.16	4.11
Bartlett's X2				5.599	35.329	14.626	9.574	.	8.558	6.376	0.0
P(Bartlett's X2)				0.347	0.001*	0.012*	0.088	.	0.003*	0.041*	1.00
Replicate F				0.675	1.185	1.063	2.535		1.136	1.388	1.273
Replicate Prob(F)				0.6192	0.3547	0.4066	0.0808		0.3747	0.2823	0.3215
Treatment F				68.421	8.125	14.743	64.767		169.558	120.590	3553.237
Treatment Prob(F)				0.0001	0.0006	0.0001	0.0001		0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code	Baregrou
Crop Code	BRSOL
Rating Data Type	HARVEST
Rating Unit	LB
Rating Date	12/19/2011
Crop Stage	TOTAL WT
Crop Stage Scale	
Assessed By	
Trt-Eval Interval	306 DA-A
ARM Action Codes	

Trt No.	Treatment Name	Rate	Rate Unit	198	
1	Plasticulture None			0.00	b
2	Plasticulture Reflex	1	pt/a	0.00	b
3	Plasticulture Reflex	2	pt/a	0.00	b
4	Bareground None			30.28	a
5	Bareground Reflex	1	pt/a	33.32	a
6	Bareground Reflex	2	pt/a	33.92	a

LSD (P=.05)	4.572
Standard Deviation	3.410
CV	20.98
Bartlett's X2	5.837
P(Bartlett's X2)	0.054
Replicate F	1.101
Replicate Prob(F)	0.3898
Treatment F	136.981
Treatment Prob(F)	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Vegetable response to Reflex carryover when applied bareground or under mulch.

Trial ID: Veg17-11 Study Dir.: Stanley Culpepper
Location: TVP Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: TIFTON **Trial Status:** completed
State/Prov.: GEORGIA **Trial Reliability:** excellent
Postal Code: 31794 **Initiation Date:** 2/16/2011
Country: USA

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

Crop 1: CITLA WATERMELON (SEEDLESS) **Variety:** MELODY
Planting Date: 3/25/2011 **Planting Method:** TRANSPLANT, HAND
Rate: 1 3 FT **Depth:** 2 IN
Row Spacing: 6 FT **Spacing Within Row:** 36 IN **Seed Bed:** mulch or baregrd
Soil Temperature: 78 F **Soil Moisture:** MOIST

Crop 2: BRSOL CABBAGE **Variety:** REGENCY
Planting Date: 5/11/2011 **Planting Method:** TRANSPLANT, HAND
Rate: 1 FOOT **Depth:** 2 IN
Row Spacing: 6 FT **Spacing Within Row:** 12 IN **Seed Bed:** mulch or baregrd
Soil Temperature: 73 F **Soil Moisture:** MOIST

Crop 3: CUMSA CUCUMBER **Variety:** THUNDER
Planting Date: 5/11/2011 **Planting Method:** TRANSPLANT, HAND
Rate: 1 FOOT **Depth:** 2 IN
Row Spacing: 6 FT **Spacing Within Row:** 12 IN **Seed Bed:** mulch or baregrd
Soil Temperature: 73 F **Soil Moisture:** MOIST

Crop 4: BRSOL CABBAGE **Variety:** CHEERS
Planting Date: 9/7/2011 **Planting Method:** TRANSPLANT, HAND
Rate: 1 FOOT **Depth:** 2 IN
Row Spacing: 15 IN **Spacing Within Row:** 12 IN **Seed Bed:** mulch or baregrd
Soil Temperature: 69 F **Soil Moisture:** MOIST

Crop 5: BRSOK BROCCOLI **Variety:** EMERALD CROWN
Planting Date: 9/7/2011 **Planting Method:** TRANSPLANT, HAND
Rate: 1 FOOT **Depth:** 2 IN
Row Spacing: 15 IN **Spacing Within Row:** 12 IN **Seed Bed:** mulch or baregrd
Soil Temperature: 69 F **Soil Moisture:** MOIST

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 50 FT **Reps:** 5
Site Type: TVP
Tillage Type: Conventional **Study Design:** SPLIT-PLOT

SOIL DESCRIPTION

% Sand: 90 **% OM:** 1 **Texture:** sandy loam
% Silt: 8 **pH:** 6.3
% Clay: 2

Overall Moisture Conditions: drip irrigation for both systems
Closest Weather Station: on site **Distance:** 300 **Unit:** yd

APPLICATION DESCRIPTION

	A
Application Date:	2/16/2011
Time of Day:	6:00 PM
Application Method:	BROADCAST
Application Timing:	PREPLANT
Applic. Placement:	ON SOIL
Air Temp., Unit:	68 F
% Relative Humidity:	60
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	63 F

Soil Moisture: MOIST
% Cloud Cover: 0

University of Georgia

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CITLA
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 2 Code, Stage:	BRSOL
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 3 Code, Stage:	CUMSA
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 4 Code, Stage:	BRSOL
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 5 Code, Stage:	BRSOK
Stage Scale:	preplant
Height, Unit:	0 inch

APPLICATION EQUIPMENT

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