

University of Georgia

Evaluating placement depth of DMDS under LDPE and VIF mulch.

Trial ID: Veg64-06
 Location: Ponder farm

Protocol ID:
 Study Director: Stanley Culpepper
 Investigator: Stanley Culpepper

Reps: 4 Plots: 6 by 70 feet
 Spray vol: 14.8 gal/ac Mix size: 2 liters (min 2.1607)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Growth Unit	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	4
1	None LDPE								101	205	306	404
2	None VIF								102	206	305	403
3	DMDS 62 G 8 inch deep LDPE						A A A		103	202	301	406
4	DMDS 62 G 12 inch deep LDPE						A A A		104	201	304	402
5	DMDS 62 G 8 inch deep VIF						A A A		105	203	302	405
6	DMDS 62 G 12 inch deep VIF						A A A		106	204	303	401

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
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- * 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 2 liters (mix size basis).
- * Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine nutsedge and cucumber response to DMDS applied either 8 or 12 inches deep under LDPE or VIF mulch.

NUTSEDGE RESPONSE:

1. Under LDPE mulch, control by DMDS was 12 to 19% greater when applied at 8 inches as compared to 12 inches.
2. Under VIF mulch, early season control showed no differences but by late-season control was 6% greater when applied at 8 inches as compared to 12 inches.
3. Control was greater under VIF than LDPE mulch, although 90% control was noted with DMDS applied 8 inches under LDPE mulch.

NUTSEDGE EMERGENCE (entire plot was counted each time):

1. Emergence counts followed trends identical to those noted with visual weed control.

SOIL TEMPERATURES:

1. Early in the mornings, soil temperatures under the grey VIF were 1 to 2 degrees warmer than those under the white mulch.
2. By early afternoon, soil temps under the grey VIF were 4 to 11 degrees warmer than under the LDPE white mulch.
3. Generally, the more nutsedge in a treatment the cooler the soil temperature.

CROP RESPONSE:

Cucumber Runner Lengths:

1. Cucumber lengths were generally greater when grown in the treated white mulch systems, followed by treated grey mulch system, and then the non-treated systems.

Cucumber Yields (Harvested 7 times by a hired experienced labor crew):

1. Trends in yield were similar when comparing harvest averaged over the first 3 harvest or all 7 harvest.

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2. Greatest yields were generally noted with cucumber grown in the treated white mulch systems, followed by treated grey mulch system, and then the non-treated systems.

CONCLUSIONS

1. DMDS should be applied 8 inches deep.
2. VIF mulch is more effective reducing fumigant loss from the soil.
3. Grey or dark mulches should not be used for fall Georgia crops because of impacts on soil temperature.

GENERAL COMMENTS:

1. July 18: fumigants applied, beds were formed and mulch was laid. Soil and air reached 92 at 4 inches and 88 at 8 inches by early afternoon, moisture was ideal. DMDS was applied with super bedder plastic layer injecting the fumigant either 8 or 12 inches deep with 3 knives on a 32 inch bedtop.
2. Transplant holes were poked and cucumber was planted on August 4.
3. Plot size was actually 50 feet long with one row per plot. The entire plot was used to make all measurements including harvest which was done by a hired experienced labor crew.

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Trial ID: Veg64-06
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Pest Code	CYPZZ	CYPZZ	CYPZZ	CYPZZ	CYPZZ	CYPZZ	CYPZZ	CYPZZ	
Crop Code					CUMSA	CUMSA	CUMSA	CUMSA	
BBCH Scale					BVVT	BVVT	BVVT	BVVT	
Part Rated									
Rating Date	Aug-04-06	Aug-15-06	Aug-24-06	Sep-30-06	Jul-26-06	Aug-02-06	Aug-08-06	Aug-24-06	
Rating Data Type	control	control	control	control	per plot	per plot	per plot	per plot	
Rating Unit	%	%	%	%	#	#	#	#	
Assessed By	SC	SC	AD	SC					
Days After First/Last Applic.	17	28	37	74	8	15	21	37	
Trt-Eval Interval	17 DA-A	28 DA-A	37 DA-A	74 DA-A	8 DA-A	15 DA-A	21 DA-A	37 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		1	2	3	4	5	6	7	
		8							
1	None LDPE	0 d	0 e	0 c	0 e	87 a	212 a	198 a	277 a
2	None VIF	31 c	50 d	52 b	43 d	54 b	137 b	115 b	233 a
3	DMDS 62 G 8 inch deep LDPE	95 a	93 b	92 a	90 b	1 c	6 c	11 c	24 c
4	DMDS 62 G 12 inch deep LDPE	83 b	75 c	76 ab	71 c	18 c	43 c	68 b	127 b
5	DMDS 62 G 8 inch deep VIF	99 a	99 a	100 a	99 a	0 c	0 c	0 c	3 c
6	DMDS 62 G 12 inch deep VIF	98 a	98 a	99 a	93 b	0 c	0 c	0 c	4 c
LSD (P=.05)		4.8	4.6	24.3	5.3	28.3	49.2	52.0	45.5
Standard Deviation		3.2	3.1	16.1	3.5	18.8	32.7	34.5	30.2
CV		4.73	4.44	23.06	5.32	70.77	49.3	52.89	27.13
Bartlett's X2		3.825	4.201	22.096	4.386	12.069	30.57	27.375	15.585
P(Bartlett's X2)		0.281	0.241	0.001*	0.223	0.007*	0.001*	0.001*	0.008*

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

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Pest Code	CYPZZ	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	plant 1	plant 2	plant 3
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Part Rated			12:00p	7:50am	2:30pm				
Rating Date	Sep-25-06	Jul-26-06	Jul-28-06	Aug-02-06	Aug-02-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06
Rating Data Type	per plot	soil temp	soil temp	soil temp	soil temp	ht	ht	ht	ht
Rating Unit	#	F	F	F	F	cm	cm	cm	cm
Assessed By		8 am	12 pm	8 am	2:30 pm				
Days After First/Last Applic.	69	8	10	15	15	35	35	35	35
Trt-Eval Interval	69 DA-A	8 DA-A	10 DA-A	15 DA-A	15 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
		9	10	11	12	13	14	15	16
1	None LDPE	260 a	81 b	96 d	81 b	101 d	21 bc	22 ab	19 a
2	None VIF	215 b	82 a	101 b	82 a	109 b	17 c	15 b	17 a
3	DMDS 62 G 8 inch deep LDPE	59 d	81 b	98 c	80 c	105 c	31 a	26 a	23 a
4	DMDS 62 G 12 inch deep LDPE	151 c	81 b	97 cd	80 bc	104 c	25 b	23 a	23 a
5	DMDS 62 G 8 inch deep VIF	2 e	82 a	103 a	82 a	113 a	21 bc	19 ab	21 a
6	DMDS 62 G 12 inch deep VIF	21 de	82 a	103 a	81 a	111 ab	22 bc	20 ab	21 a
LSD (P=.05)		43.8	0.4	2.2	0.6	2.7	5.6	6.8	8.8
Standard Deviation		29.1	0.3	1.5	0.4	1.8	3.7	4.5	5.8
CV		24.65	0.32	1.48	0.46	1.68	16.17	21.8	28.07
Bartlett's X2		16.611	2.312	2.273	2.435	2.492	6.889	2.781	13.258
P(Bartlett's X2)		0.005*	0.805	0.81	0.786	0.778	0.229	0.734	0.021*

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

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Pest Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Part Rated								
Rating Date	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Assessed By								
Days After First/Last Applic.	35	35	35	35	35	35	35	35
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
ARM Action Codes								
Trt No.	17	18	19	20	21	22	23	24
Treatment Name								
Rate								
Unit								
1 None LDPE	18 ab	19 c	20 ab	20 ab	18 cd	23 a	23 ab	20 a
2 None VIF	16 b	17 c	16 b	15 b	15 d	15 b	16 b	19 a
3 DMDS 62 G 8 inch deep LDPE	24 a	25 ab	25 a	26 a	27 a	25 a	23 ab	23 a
4 DMDS 62 G 12 inch deep LDPE	23 a	27 a	24 a	23 a	24 ab	21 ab	24 a	24 a
5 DMDS 62 G 8 inch deep VIF	20 ab	21 bc	20 ab	21 ab	21 bc	22 a	21 ab	23 a
6 DMDS 62 G 12 inch deep VIF	19 ab	19 bc	19 ab	15 b	20 bcd	21 ab	21 ab	18 a
LSD (P=.05)	6.0	5.9	7.7	5.9	5.1	5.8	6.9	7.3
Standard Deviation	4.0	3.9	5.1	3.9	3.4	3.8	4.6	4.9
CV	19.81	18.42	24.82	19.53	16.59	18.39	21.67	23.28
Bartlett's X2	3.56	5.772	4.234	2.105	4.868	7.341	4.184	6.331
P(Bartlett's X2)	0.614	0.329	0.516	0.834	0.432	0.196	0.523	0.275

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

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Pest Code	plant 12	plant 13	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Part Rated								
Rating Date	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06	Aug-22-06
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Assessed By								
Days After First/Last Applic.	35	35	35	35	35	35	35	35
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
ARM Action Codes								
Trt No.	25	26	27	28	29	30	31	32
Treatment Name								
Rate								
Rate Unit								
1 None LDPE	17 bc	20 ab	17 c	23 ab	21 bc	21 ab	19 a	22 ab
2 None VIF	16 c	16 b	17 c	14 c	15 d	15 b	18 a	17 b
3 DMDS 62 G 8 inch deep LDPE	25 a	24 a	29 a	24 ab	28 a	24 a	23 a	25 a
4 DMDS 62 G 12 inch deep LDPE	22 abc	25 a	26 ab	26 a	25 ab	25 a	24 a	22 ab
5 DMDS 62 G 8 inch deep VIF	23 ab	20 ab	22 bc	22 ab	21 bc	20 ab	23 a	22 ab
6 DMDS 62 G 12 inch deep VIF	21 abc	19 ab	21 bc	18 bc	18 cd	17 ab	19 a	21 ab
LSD (P=.05)	5.6	6.4	5.1	5.8	5.6	7.8	7.1	6.2
Standard Deviation	3.7	4.2	3.4	3.9	3.7	5.2	4.7	4.1
CV	18.1	20.57	15.64	18.41	17.63	25.35	22.76	19.3
Bartlett's X2	7.799	6.776	5.625	4.293	7.339	4.586	3.33	8.278
P(Bartlett's X2)	0.168	0.238	0.344	0.508	0.197	0.469	0.649	0.142

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

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Pest Code	plant 20	Avg20pla	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	
Part Rated									
Rating Date	Aug-22-06	Aug-22-06	Sep-06-06	Sep-06-06	Sep-08-06	Sep-08-06	Sep-11-06	Sep-11-06	
Rating Data Type	ht	ht	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	cm	cm	fruit #	fruit wt	fruit #	fruit wt	fruit #	fruit wt	
Assessed By									
Days After First/Last Applic.	35	35	50	50	52	52	55	55	
Trt-Eval Interval	35 DA-A	35 DA-A	50 DA-A	50 DA-A	52 DA-A	52 DA-A	55 DA-A	55 DA-A	
ARM Action Codes		T1							
Trt Treatment	Rate								
No. Name	Rate Unit	33	34	35	36	37	38	39	40
1 None LDPE		19 a	20 c	5 d	2 d	25 a	14 ab	42 a	26 a
2 None VIF		18 a	16 d	8 d	4 d	20 a	11 b	53 a	30 a
3 DMDS 62 G 8 inch deep LDPE		25 a	25 a	50 a	31 a	26 a	15 ab	51 a	35 a
4 DMDS 62 G 12 inch deep LDPE		22 a	24 ab	37 b	22 b	34 a	19 a	60 a	39 a
5 DMDS 62 G 8 inch deep VIF		23 a	21 bc	24 c	14 c	24 a	14 ab	53 a	33 a
6 DMDS 62 G 12 inch deep VIF		20 a	19 cd	31 bc	18 bc	32 a	19 a	50 a	32 a
LSD (P=.05)		7.0	3.3	11.4	7.2	14.1	7.7	25.7	16.7
Standard Deviation		4.6	2.2	7.6	4.8	9.3	5.1	17.1	11.0
CV		22.23	10.45	29.63	31.45	34.82	33.47	33.02	33.98
Bartlett's X2		3.574	5.314	9.787	9.14	6.996	6.134	3.454	3.415
P(Bartlett's X2)		0.612	0.379	0.081	0.104	0.221	0.293	0.63	0.636

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

Column 34: T1 = @AVG([C14],[C33])

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Pest Code	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	harv 7	harv 7	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT	
Part Rated									
Rating Date	Sep-14-06	Sep-14-06	Sep-16-06	Sep-16-06	Sep-18-06	Sep-18-06	Sep-20-06	Sep-20-06	
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	fruit #	fruit wt	fruit #	fruit wt	fruit #	fruit wt	fruit #	fruit wt	
Assessed By									
Days After First/Last Applic.	58	58	60	60	62	62	64	64	
Trt-Eval Interval	58 DA-A	58 DA-A	60 DA-A	60 DA-A	62 DA-A	62 DA-A	64 DA-A	64 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
41									
42									
43									
44									
45									
46									
47									
48									
1	None LDPE	28 ab	18 ab	9 b	6 b	37 b	20 c	29 ab	15 bc
2	None VIF	16 b	11 b	18 ab	11 ab	59 ab	24 bc	34 a	17 abc
3	DMDS 62 G 8 inch deep LDPE	36 a	28 a	24 ab	15 ab	49 ab	29 abc	51 a	27 a
4	DMDS 62 G 12 inch deep LDPE	22 ab	19 ab	21 ab	13 ab	49 ab	28 abc	45 a	24 ab
5	DMDS 62 G 8 inch deep VIF	28 ab	20 ab	24 ab	15 ab	59 ab	34 ab	34 a	18 ab
6	DMDS 62 G 12 inch deep VIF	21 ab	16 ab	32 a	19 a	74 a	40 a	11 b	6 c
LSD (P=.05)		15.1	13.7	15.4	9.3	26.4	12.0	20.4	10.8
Standard Deviation		10.0	9.1	10.2	6.2	17.6	8.0	13.5	7.2
CV		39.9	49.01	48.29	47.18	32.35	27.51	39.8	40.42
Bartlett's X2		4.786	10.648	8.646	7.915	2.737	1.508	18.952	14.557
P(Bartlett's X2)		0.443	0.059	0.124	0.161	0.74	0.912	0.002*	0.012*

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

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Pest Code	Har1-3	Har1-3	Har1-7	Har1-7
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT
Part Rated				
Rating Date	Sep-20-06	Sep-20-06	Sep-20-06	Sep-20-06
Rating Data Type	#/plot	#/plot	#/plot	#/plot
Rating Unit	fruit #	fruit wt	fruit #	fruit wt
Assessed By				
Days After First/Last Applic.	64	64	64	64
Trt-Eval Interval	64 DA-A	64 DA-A	64 DA-A	64 DA-A
ARM Action Codes	T2	T3	T4	T5
Trt No.	49	50	51	52
Treatment Name				
Rate				
Rate Unit				
1 None LDPE	72 d	42 c	174 c	100 c
2 None VIF	81 cd	44 c	207 c	106 c
3 DMDS 62 G 8 inch deep LDPE	127 a	81 a	287 a	179 a
4 DMDS 62 G 12 inch deep LDPE	131 a	80 ab	268 ab	164 ab
5 DMDS 62 G 8 inch deep VIF	101 bc	62 b	245 b	149 b
6 DMDS 62 G 12 inch deep VIF	113 ab	70 ab	249 b	151 b
LSD (P=.05)	23.8	17.4	33.7	23.4
Standard Deviation	15.8	11.5	22.4	15.5
CV	15.18	18.3	9.38	10.98
Bartlett's X2	11.733	16.042	2.288	1.151
P(Bartlett's X2)	0.039*	0.007*	0.808	0.95

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

Column 49: T2 = [C35]+[C37]+[C39]

Column 50: T3 = [C36]+[C38]+[C40]

Column 51: T4 = [C35]+[C37]+[C39]+[C41]+[C43]+[C45]+[C47]

Column 52: T5 = [C36]+[C38]+[C40]+[C42]+[C44]+[C46]+[C48]

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Evaluating placement depth of DMDS under LDPE and VIF mulch.

Trial ID: Veg64-06	Protocol ID:
Location: Ponder farm	Study Director: Stanley Culpepper
	Investigator: Stanley Culpepper

General Trial Information

Study Director: Stanley Culpepper	Title: Ext. Weed Science
Affiliation: Univ. of Georgia	
Postal Code: 31794	E-mail: _____
Investigator: Stanley Culpepper	Title: Ext. Weed Science
Affiliation: Univ. of Georgia	
Postal Code: 31794	E-mail: _____

Keywords:

Trial Location

City: TyTy	Trial Status: completed
State/Prov.: GA	Trial Reliability: excellent
Postal Code: 31794	Initiation Date: Jul-18-06
Country: USA	Planned Completion Date: _____
-Latitude of LL Corner °: _____	-Longitude of LL Corner °: _____
Altitude of LL Corner: _____ Unit: _____	Angle y-axis to North °: _____
Map Reference: _____	
Directions:	

Conducted Under GLP: _	Official Trial Code: _____
Conducted Under GEP: _	Other Trial Code: _____

	Guideline	Description
1.		

Objectives:

Conclusions:

Cooperator/Landowner

Cooperator: _____	Country: _____
Organization: _____	Phone No: _____
Address 1: _____	Fax No: _____
Address 2: _____	
City: _____	
State/Prov: _____	
Postal Code: _____	E-mail: _____

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Crop Description			
Crop 1: CUMSA Cucumis sativus		Cucumber	
Variety: Thunder	Description: _____		
BBCH Scale: BVVT	Planting Date: Aug-04-06		
Planting Method: transplant	Rate, Unit: 1 ft		
Depth, Unit: 1 in	Perennial Age, Unit: _____		
Row Spacing, Unit: 6 ft	Spacing Within Row, Unit: 12 inch		
Seed Bed: bed/mulch	Soil Temperature, Unit: 104 F		
Soil Moisture: moist	Emergence Date: _____		
Harvest Date: _____	Harvest Equipment: _____		
Harvested Width, Unit: _____	Harvested Length, Unit: _____		
% Standard Moisture: _____	Moisture Meter: _____		
Weighing Equipment: _____			

Pest Description	
Pest 1 Type: W	Code: . _____
Common Name: _____	
Description: CYPZZ: mix of yellow and purple nutsedge	

Site and Design			
Plot Width, Unit: 6	FT	Site Type:	Reserach Station
Plot Length, Unit: 70	FT	Tillage Type:	Conventional
Replications: 4		Study Design:	Randomized Complete Block
% Slope: _____		Soil Drainage: _	_____

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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

Comment:

Field Prep./Maintenance:

Soil Description			
Description Name: _____			
% Sand: 94	% OM: 1.3	Texture:	sand
% Silt: 2	pH: 6	Soil Name:	Tifton sandy loam
% Clay: 4	CEC: _____	Fert. Level:	_____
Analyzed By: _____			

Additional Measured Elements		
Element	Quantity	Unit

Moisture Conditions		
Overall Moisture Conditions: Drip irrigation		
Closest Weather Station: _____	Distance: _____	Unit: _____

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	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Application Description

	A
Application Date:	Jul-18-06
Time of Day:	6 pm
Application Method:	in bed
Application Timing:	preplant
Application Placement:	see trt
Applied By:	
Air Temperature, Unit:	96 F
% Relative Humidity:	48
Wind Velocity, Unit:	3 mph
Wind Direction:	
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temperature, Unit:	94 F
Soil Moisture:	moist
% Cloud Cover:	20
Next Rain Occurred On:	

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	CUMSA BVVT
Stage Scale Used:	BBCH
Stage Majority, Percent:	not plan 100
Stage Minimum, Percent:	not plan 100
Stage Maximum, Percent:	not plan 100
Diameter, Unit:	
Height, Unit:	
Height Minimum, Maximum:	

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	W .
Stage Majority, Percent:	not up 100
Stage Minimum, Percent:	not up 100
Stage Maximum, Percent:	not up 100
Diameter, Unit:	0 in
Height, Unit:	0 in
Height Minimum, Maximum:	
Density, Unit:	0. .
Coverage, Unit:	

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Application Equipment

	A
Appl. Equipment:	see
Operating Pressure, Unit:	comments PSI
Nozzle Type:	
Nozzle Size:	
Nozzle Spacing, Unit:	
Nozzles/Row:	
Nozzle Calibration, Unit:	
Band Width, Unit:	
Boom ID:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	
Spray Volume, Unit:	
Mix Size, Unit:	
Spray pH:	
Propellant:	
Tank Mix (Y/N):	

Equipment Comment:

Trt No Treatment Application Comment

Date By Notes

Date By Deviations

Reasons: