

# University of Georgia

**Nutsedge and pepper response to the UGA 3-WAY applied under LDPE or VIF mulch  
with and without herbicides during the fall in Georgia.**

Trial ID: Veg35-07

Protocol ID:

Location: Ponder Farm

Study Director: Stanley Culpepper

Investigator: Stanley Culpepper

Reps: 3

Plots: 3 by 25 feet

Spray vol: 25 gal/ac

Mix size: 3 liters (min .48882)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code	Amt to Measure	Product	Plot No. 1	Plot No. 2	Plot No. 3
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program									101	204	307
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command Dual Magnum	3 7.64	L L		1 1	QT/A PRE PT/A PRE	A A	30.0 ml/mx 15.0 ml/mx		102	203	308
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program									103	202	305
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command Dual Magnum	3 7.64	L L		1 1	QT/A PRE PT/A PRE	A A	30.0 ml/mx 15.0 ml/mx		104	201	306
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide									105	208	301
6	MB 50:50 @ 240 lb/A VIF Mulch Command Dual Magnum	3 7.64	L L		1 1	QT/A PRE PT/A PRE	A A	30.0 ml/mx 15.0 ml/mx		106	207	302
7	No Fumigant LDPE Mulch No Herbicide									107	206	303
8	No Fumigant LDPE Mulch Command Dual Magnum	3 7.64	L L		1 1	QT/A PRE PT/A PRE	A A	30.0 ml/mx 15.0 ml/mx		108	205	304

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
149.984	ml	Command	3	L	
74.992	ml	Dual Magnum	7.64	L	

\* 'Per area' calculations based on spray volume= 25 gal/ac, mix size= 3 liters (mix size basis).

\* Product amount calculations increased 25 % for overage adjustment.

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Protocol ID:

Location: Ponder Farm

Study Director: Stanley Culpepper

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### Trial Comments

OBJECTIVE: Determine the potential for using the UGA 3-WAY and MB 50:50 as a fall applications in Georgia.

#### VISUAL NUTSEDGE CONTROL:

1. At 19 d after treatment, control by the 3-way under LDPE mulch was less than 83%. The addition of the herbicide program did not improve control. Control by the same fumigant/herbicide treatment under VIF mulch provided 83 to 89% control. The MB mixture provided 98% control.
2. By 38 d after treatment, the 3-WAY under LDPE mulch provided only 50% control. Adding the herbicide program or using VIF mulch improved control only 10 to 18%. The 3-WAY plus herbicides under VIF mulch provided 80% control. MB 50:50 was still providing good control (92-96%).
3. At the beginning of harvest, only MB plus the herbicide program applied under VIF mulch provided 90% control.
4. The herbicide alone program provided very poor control.

#### CROP INJURY:

1. The herbicide program provided at most 7% pepper stunting. Stunting was similar with herbicide + fumigants systems except with the 3-WAY applied under VIF mulch which increased visual stunting by an additional 5%.

#### NUTSEDGE COUNTS:

1. At 17, 27, and 42 d after fumigating, nutsedge emerging through the mulch or plant hole were counted for the entire plot. Trends in nutsedge counts were identical to those noted with visual nutsedge control evaluations.

#### PEPPER HEIGHTS:

1. At 56 d after fumigating, five pepper plants in the left row and five plants in the right row were measured for height.
2. Generally, plots with the lower levels of nutsedge control had the tallest pepper plants. This is likely a response to the pepper trying to compete with the nutsedge for sunlight. This indicates there likely would be a significant delay in maturity.

#### PEPPER YIELD:

1. The entire pepper plot was harvested four times for Jumbo fruit (only fruit worth any value this fall).
2. When averaged over harvests 1 and 2 or over all four harvests: the number and weight of pepper fruit were significantly greater with MB treatments as compared to any 3-WAY system.
3. There were less fruit in the MB system with herbicides when compared to MB without herbicides. This response may have been due to minor early season stunting from the Dual Magnum.
4. Total yield from the 3-WAY under LDPE mulch was no greater than the herbicide program alone.
5. Compared to MB alone, the 3-WAY under LDPE and VIF mulch produced 68 and 42% less pepper weight.

#### CONCLUSION:

1. Applying the 3-WAY in Georgia during the fall is a disaster.
2. New herbicides are desperately needed for pepper.
3. MB 50:50 was far more effective than the 3-WAY in a fall application; however, control by the MB was not acceptable providing less than 90% control of nutsedge at harvest. MB 67:33 will be recommended in the future for fall applications.
4. DMDS and/or new herbicides will be required if growers are to replace MB 67:33 for fall applications in Georgia.

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Trial ID: Veg35-07

Protocol ID:

Location: Ponder Farm

Study Director: Stanley Culpepper

Investigator: Stanley Culpepper

Pest Code	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	CPSAN	CPSAN			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
BBCH Scale	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO			
Part Rated										
Rating Date	Aug-05-07	Aug-10-07	Aug-24-07	Sep-07-07	Oct-02-07	Aug-24-07	Sep-07-07			
Rating Data Type	control	control	control	control	control	injury	injury			
Rating Unit	%	%	%	%	percent	%	%			
Assessed By	SC	SC	SC	SC	SC					
Days After First/Last Applic.	19	24	38	52	77	38	52			
Trt-Eval Interval	19 DA-A	24 DA-A	38 DA-A	52 DA-A	77 DA-A	38 DA-A	52 DA-A			
ARM Action Codes										
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program			79 c	68 c	50 e	47 d	48 d	0 a	0 b
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command Dual Magnum	1 QT/A 1 PT/A		81 bc	72 c	60 d	60 c	60 c	0 a	3 ab
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program			83 bc	77 b	68 c	62 c	65 c	0 a	0 b
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command Dual Magnum	1 QT/A 1 PT/A		89 b	81 b	80 b	77 b	83 b	0 a	12 a
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide			98 a	97 a	93 a	85 ab	85 ab	0 a	0 b
6	MB 50:50 @ 240 lb/A VIF Mulch Command Dual Magnum	1 QT/A 1 PT/A		98 a	96 a	97 a	90 a	89 a	0 a	7 ab
7	No Fumigant LDPE Mulch No Herbicide			3 d	0 e	0 g	0 e	0 f	0 a	0 b
8	No Fumigant LDPE Mulch Command Dual Magnum	1 QT/A 1 PT/A		10 d	23 d	17 f	8 e	7 e	0 a	7 ab
LSD (P=.05)				8.1	4.9	6.8	11.1	5.9	0.0	8.0
Standard Deviation				4.6	2.8	3.9	6.4	3.4	0.0	4.6
CV				6.87	4.38	6.69	11.86	6.14	0.0	125.33
Bartlett's X2				11.867	4.394	7.072	1.396	5.174	0.0	1.129
P(Bartlett's X2)				0.105	0.494	0.132	0.925	0.522	.	0.569

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

# University of Georgia

Pest Code	CYPRO	CYPRO	CYPRO	plant 1	plant 2	plant 3	plant 4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
BBCH Scale	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	
Part Rated				left	left	left	left	
Rating Date	Aug-03-07	Aug-13-07	Aug-28-07	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07	
Rating Data Type	#	#	#	ht	ht	ht	ht	
Rating Unit	per plot	per plot	per plot	cm	cm	cm	cm	
Assessed By								
Days After First/Last Applic.	17	27	42	56	56	56	56	
Trt-Eval Interval	17 DA-A	27 DA-A	42 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	
		8	9	10	11	12	13	14
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program	45 b	158 b	388 b	37 a	35 a	34 ab	30 ab
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	42 b	119 bc	302 bc	23 cd	26 c	20 e	29 b
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program	26 b	83 bc	188 cd	27 bcd	29 bc	28 cd	28 bc
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	14 b	60 bc	149 de	21 d	18 d	21 e	20 d
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide	3 b	8 c	29 e	30 abc	30 bc	29 bc	28 b
6	MB 50:50 @ 240 lb/A VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	2 b	8 c	20 e	25 bcd	25 c	24 de	22 cd
7	No Fumigant LDPE Mulch No Herbicide	471 a	555 a	693 a	32 ab	29 bc	34 ab	36 a
8	No Fumigant LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	391 a	481 a	619 a	32 ab	31 ab	35 a	36 a
LSD (P=.05)		106.1	110.1	145.0	7.3	4.7	5.1	5.8
Standard Deviation		60.6	62.9	82.8	4.2	2.7	2.9	3.3
CV		48.73	34.14	27.74	14.79	9.54	10.36	11.45
Bartlett's X2		43.207	26.699	15.902	4.322	3.417	2.217	9.898
P(Bartlett's X2)		0.001*	0.001*	0.026*	0.742	0.844	0.947	0.194

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

# University of Georgia

Pest Code	plant 5	Avg5Plan	plant 1	plant 2	plant 3	plant 4	plant 5	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
BBCH Scale	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	
Part Rated	left	left	right	right	right	right	right	
Rating Date	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Assessed By								
Days After First/Last Applic.	56	56	56	56	56	56	56	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes		T1						
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	
		15	16	17	18	19	20	
							21	
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program	34 a	34 a	35 a	33 a	34 a	33 a	30 abc
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	140 a	48 a	25 cd	26 bcd	25 bc	28 a	34 a
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program	31 a	28 a	30 abc	27 bc	28 abc	28 a	28 bc
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	21 a	20 a	22 d	21 d	20 c	18 b	22 d
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide	27 a	29 a	27 bcd	26 bcd	26 abc	24 ab	27 c
6	MB 50:50 @ 240 lb/A VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	25 a	24 a	25 bcd	25 cd	25 abc	27 ab	27 c
7	No Fumigant LDPE Mulch No Herbicide	34 a	33 a	31 ab	29 abc	30 ab	29 a	33 ab
8	No Fumigant LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	35 a	34 a	36 a	31 ab	33 ab	32 a	33 ab
LSD (P=.05)		127.2	27.2	6.0	5.1	8.0	8.8	4.9
Standard Deviation		72.6	15.5	3.4	2.9	4.6	5.0	2.8
CV		168.35	49.75	11.88	10.7	16.49	18.32	9.55
Bartlett's X2		67.694	43.809	3.122	3.242	6.09	8.75	2.663
P(Bartlett's X2)		0.001*	0.001*	0.873	0.862	0.529	0.271	0.914

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

Column 16: T1 = @AVG([C11].[C15])

## University of Georgia

Pest Code	Avg5Plan	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4		
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
BBCH Scale	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO	BVSO		
Part Rated	right	fruit	fruit	fruit	fruit	fruit	fruit	fruit		
Rating Date	Sep-11-07	Oct-17-07	Oct-17-07	Oct-25-07	Oct-25-07	Oct-30-07	Oct-30-07	Nov-06-07		
Rating Data Type	ht	#	wt/ lb	#	wt/ lb	#	wt/ lb	#		
Rating Unit	cm	per plot	per plot	per plot	per plot	per plot	per plot	per plot		
Assessed By										
Days After First/Last Applic.	56	92	92	100	100	105	105	112		
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	100 DA-A	100 DA-A	100 DA-A		
ARM Action Codes	T2									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program		33 a	19 de	9 cd	15 cd	6 cd	3 cd	1 cd	7 ab
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command Dual Magnum	1 QT/A 1 PT/A	28 b	16 ef	8 cd	14 cd	6 cd	3 cd	1 d	6 b
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program		28 b	29 cd	15 bc	21 bc	9 bc	9 abc	3 a-d	12 ab
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command Dual Magnum	1 QT/A 1 PT/A	20 c	40 bc	20 ab	31 b	13 b	9 abc	4 abc	11 ab
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide		26 b	55 a	27 a	52 a	21 a	15 a	6 a	14 a
6	MB 50:50 @ 240 lb/A VIF Mulch Command Dual Magnum	1 QT/A 1 PT/A	26 b	47 ab	26 a	46 a	19 a	12 ab	4 ab	12 ab
7	No Fumigant LDPE Mulch No Herbicide		30 ab	6 f	3 d	7 d	3 d	2 d	1 d	4 b
8	No Fumigant LDPE Mulch Command Dual Magnum	1 QT/A 1 PT/A	33 a	6 f	3 d	14 cd	6 cd	5 bcd	2 bcd	6 b
LSD (P=.05)			4.5	11.7	8.0	11.5	5.1	6.2	2.8	7.2
Standard Deviation			2.6	6.7	4.6	6.6	2.9	3.6	1.6	4.1
CV			9.09	24.39	32.94	26.25	28.26	48.63	55.96	46.42
Bartlett's X2			10.866	9.494	14.793	9.571	2.419	13.033	24.509	2.727
P(Bartlett's X2)			0.145	0.219	0.039*	0.214	0.933	0.071	0.001*	0.909

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

Column 22: T2 = @AVG([C17].[C21])

## University of Georgia

Pest Code	harv 4	harv 1-2	harv 1-2	harv 1-4	harv 1-4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
BBCH Scale	BVSO	BVSO	BVSO	BVSO	BVSO	
Part Rated	fruit	fruit	fruit	fruit	fruit	
Rating Date	Nov-06-07					
Rating Data Type	wt/ lb	#	wt/ lb	#	wt/ lb	
Rating Unit	per plot	per plot	per plot	per plot	per plot	
Assessed By						
Days After First/Last Applic.	112					
Trt-Eval Interval	100 DA-A	112 DA-A	112 DA-A			
ARM Action Codes		T3	T4	T5	T6	
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	
30						
31						
32						
33						
34						
1	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch No Herbicide Program	3 b	34 cd	16 cd	44 e	20 c
2	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	2 b	30 cd	14 cd	39 ef	17 c
3	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch No Herbicide Program	5 ab	51 bc	23 bc	72 d	32 b
4	Pic Chlor 60 @ 21 GPA Vapam @ 75 GPA VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	5 ab	71 b	32 b	90 c	41 b
5	MB 50:50 @ 240 lb/A VIF Mulch No Herbicide	7 a	107 a	48 a	136 a	61 a
6	MB 50:50 @ 240 lb/A VIF Mulch Command 1 QT/A Dual Magnum 1 PT/A	5 ab	93 a	45 a	117 b	55 a
7	No Fumigant LDPE Mulch No Herbicide	2 b	13 d	6 d	20 f	9 c
8	No Fumigant LDPE Mulch Command 1 QT/A Dual Magnum 1 PT/A	3 b	21 d	9 d	32 ef	14 c
LSD (P=.05)		3.3	20.1	10.6	18.6	10.3
Standard Deviation		1.9	11.4	6.0	10.6	5.9
CV		48.09	21.86	24.88	15.46	18.99
Bartlett's X2		4.005	6.477	5.226	7.579	7.446
P(Bartlett's X2)		0.779	0.485	0.632	0.371	0.384

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

Column 31: T3 = ([C23]+[C25])

Column 32: T4 = ([C24]+[C26])

Column 33: T5 = ([C31]+[C27]+[C29])

Column 34: T6 = ([C32]+[C28]+[C30])

# University of Georgia

Nutsedge and pepper response to the UGA 3-WAY applied under LDPE or VIF mulch  
with and without herbicides during the fall in Georgia.

Trial ID: Veg35-07

Protocol ID:

Location: Ponder Farm

Study Director: Stanley Culpepper

Investigator: Stanley Culpepper

### General Trial Information

Study Director: Stanley Culpepper

Title: Ext. Weed Scientist

Affiliation: University of Georgia

Postal Code: 31794

E-mail: \_\_\_\_\_

Investigator: Stanley Culpepper

Title: Ext. Weed Scientist

Affiliation: University of Georgia

Postal Code: 31794

E-mail: \_\_\_\_\_

Keywords:

### Trial Location

City: TyTy

Trial Status: Completed

State/Prov.: GA

Trial Reliability: Excellent

Postal Code: 31795

Initiation Date: Jul-17-07

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: \_\_\_\_\_



# University of Georgia

Crop Description	
Crop 1: CPSAN Capsicum annuum	Bell pepper
Variety: Hertiage	Description: _____
BBCH Scale: BVSO	Planting Date: Aug-13-07
Planting Method: transplant	Rate, Unit: 1 12 inch
Depth, Unit: 1.5 in	Perennial Age, Unit: _____
Row Spacing, Unit: 6 foot	Spacing Within Row, Unit: 12 inch
Seed Bed: mulched	Soil Temperature, Unit: 98 F
Soil Moisture: drip	Emergence Date: _____
Harvest Date: _____	Harvest Equipment: _____
Harvested Width, Unit: _____	Harvested Length, Unit: _____
% Standard Moisture: _____	Moisture Meter: _____
Weighing Equipment: _____	

Pest Description	
Pest 1 Type: _ Code: .	_____
Common Name: _____	
Description: _____	

Site and Design			
Plot Width, Unit: 3	FT	Site Type: Research Farm	
Plot Length, Unit: 25	FT	Tillage Type: Mulched	
Replications: 3		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: 6.4	Texture: Sand	
% Silt: 2	pH: 1.3	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: Ponder Farm	Distance: 0.5	Unit: MI

# University of Georgia

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

### Application Description

	A
Application Date:	Jul-17-07
Time of Day:	10:00 am
Application Method:	band
Application Timing:	preplant
Application Placement:	injected
Applied By:	Culpepper
Air Temperature, Unit:	90 F
% Relative Humidity:	45
Wind Velocity, Unit:	4 mph
Wind Direction:	
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temperature, Unit:	88 F
Soil Moisture:	moist
% Cloud Cover:	10
Next Rain Occurred On:	

### Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	CPSAN BVSO
Stage Scale Used:	BBCH
Stage Majority, Percent:	.
Stage Minimum, Percent:	
Stage Maximum, Percent:	
Diameter, Unit:	
Height, Unit:	
Height Minimum, Maximum:	

### Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	.
Stage Majority, Percent:	.
Stage Minimum, Percent:	
Stage Maximum, Percent:	
Diameter, Unit:	
Height, Unit:	
Height Minimum, Maximum:	
Density, Unit:	0. .
Coverage, Unit:	

# University of Georgia

## Application Equipment

	A
Appl. Equipment:	superbede
Operating Pressure, Unit:	26      psi
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	12      inch
Nozzles/Row:	6
Nozzle Calibration, Unit:	
Band Width, Unit:	
Boom ID:	
Boom Length, Unit:	6      feet
Boom Height, Unit:	12      inch
Ground Speed, Unit:	3      mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	25      GAL/AC
Mix Size, Unit:	
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Equipment Comment:

Trt No    Treatment Application Comment

\_\_\_\_\_

Date                      By                      Notes

\_\_\_\_\_

Date                      By                      Deviations

\_\_\_\_\_

Reasons: