

University of Georgia

Nutsedge response to Pic Chlor 60 applied under three mulches.

Trial ID: Veg7-08

Study Dir.: Edwards, Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

Weed Code	CPSAN	CPSAN	CPSAN	CYPRO	CYPRO	CYPRO	CYPRO	plant 1	
Crop Code								CPSAN	
Part Rated								left	
Rating Data Type	injury	injury	injury	#	#	#	#	ht	
Rating Unit	%			per plot	per plot	per plot	per plot	cm	
Rating Date	Mar-14-08	Mar-28-08	Apr-15-08	Mar-14-08	Mar-26-08	Apr-08-08	Apr-30-08	Apr-16-08	
Trt-Eval Interval	24 DA-A	38 DA-A	56 DA-A	24 DA-A	36 DA-A	49 DA-A	71 DA-A	57 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	LDPE 1.25 mil Pic Chlor 60 @ 21G	0 a	0 a	0 a	2 a	14 a	22 a	39 a	15 b
2	Blockade 1.25 mil Pic Chlor 60 @ 21G	0 a	0 a	0 a	4 a	12 a	12 b	19 b	14 b
3	Guardian 1.3 mil Pic Chlor 60 @ 21G	0 a	0 a	0 a	1 a	3 a	3 b	10 b	17 a
LSD (P=.05)		0.0	0.0	0.0	10.3	12.6	9.6	9.0	1.5
Standard Deviation		0.0	0.0	0.0	4.5	5.6	4.2	4.0	0.7
CV		0.0	0.0	0.0	204.3	57.05	33.88	17.44	4.29
Bartlett's X2		0.0	0.0	0.0	4.771	0.381	1.857	1.453	1.486
P(Bartlett's X2)		.	.	.	0.092	0.827	0.395	0.484	0.476

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

University of Georgia

Weed Code	plant 2	plant 3	plant 4	plant 5	plant av	plant 1	plant 2	plant 3	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	left	left	left	left	left	right	right	right	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	
ARM Action Codes					T2				
Trt Treatment	Rate								
No. Name	Rate Unit	9	10	11	12	13	14	15	16
1 LDPE 1.25 mil Pic Chlor 60 @ 21G		15 a	17 a	15 a	15 a	15 a	15 a	15 a	16 a
2 Blockade 1.25 mil Pic Chlor 60 @ 21G		16 a	16 a	15 a	16 a	16 a	16 a	15 a	16 a
3 Guardian 1.3 mil Pic Chlor 60 @ 21G		15 a	16 a	16 a	16 a	16 a	16 a	15 a	14 a
LSD (P=.05)		3.7	3.1	4.0	2.7	1.7	1.3	3.5	1.5
Standard Deviation		1.6	1.4	1.8	1.2	0.7	0.6	1.6	0.7
CV		10.65	8.29	11.34	7.78	4.69	3.69	10.5	4.38
Bartlett's X2		1.526	3.066	0.873	1.486	2.359	1.486	0.592	0.0
P(Bartlett's X2)		0.217	0.08	0.646	0.476	0.307	0.476	0.744	0.001*

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

Column 13: T2 = @AVG([C8],[C12])

University of Georgia

Weed Code	plant 4 CPSAN	plant 5 CPSAN	plant av CPSAN	AVG10PLA CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 2 CPSAN	harv 2 CPSAN		
Crop Code	right	right	right		fruit	fruit	fruit	fruit		
Part Rated	ht	ht	ht	ht	#	wt/lb	#	wt/lb		
Rating Data Type	cm	cm	cm	cm	per plot	per plot	per plot	per plot		
Rating Unit	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Jun-02-08	Jun-02-08	Jun-10-08	Jun-10-08		
Rating Date	57 DA-A	57 DA-A	57 DA-A	57 DA-A	104 DA-A	104 DA-A	112 DA-A	112 DA-A		
Trt-Eval Interval			T1	T5						
ARM Action Codes										
Trt Treatment	Rate									
No. Name	Rate	Unit	17	18	19	20	21	22	23	24
1 LDPE 1.25 mil Pic Chlor 60 @ 21G	14	a	15 b	15 a	15 a	26 a	10 a	123 a	47 a	
2 Blockade 1.25 mil Pic Chlor 60 @ 21G	17	a	14 b	15 a	16 a	11 a	4 a	112 a	44 a	
3 Guardian 1.3 mil Pic Chlor 60 @ 21G	17	a	17 a	16 a	16 a	19 a	7 a	91 a	35 a	
LSD (P=.05)	4.3		1.5	1.3	1.3	17.6	6.8	54.7	19.9	
Standard Deviation	1.9		0.7	0.6	0.6	7.8	3.0	24.1	8.8	
CV	11.97		4.29	3.81	3.56	41.9	41.18	22.23	20.85	
Bartlett's X2	0.824		0.824	1.021	7.594	0.966	0.773	2.078	3.602	
P(Bartlett's X2)	0.364		0.364	0.60	0.022*	0.617	0.679	0.354	0.165	

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

Column 19: T1 = @AVG([C14].[C18])

Column 20: T5 = ([C13]+[C19])/2

University of Georgia

Weed Code	harv 3	harv 3	harv1- 3	harv1- 3	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt/lb	#	wt/lb	
Rating Unit	per plot	per plot	per plot	per plot	
Rating Date	Jun-17-08	Jun-17-08			
Trt-Eval Interval	119 DA-A	119 DA-A			
ARM Action Codes			T3	T4	
Trt Treatment	Rate				
No. Name	Rate Unit	25	26	27	28
1 LDPE 1.25 mil Pic Chlor 60 @ 21G		123 a	42 a	272 a	99 a
2 Blockade 1.25 mil Pic Chlor 60 @ 21G		91 a	37 a	214 a	85 a
3 Guardian 1.3 mil Pic Chlor 60 @ 21G		137 a	49 a	247 a	91 a
LSD (P=.05)		52.6	16.8	65.4	21.6
Standard Deviation		23.2	7.4	28.8	9.5
CV		19.82	17.31	11.81	10.37
Bartlett's X2		0.291	0.287	5.036	8.122
P(Bartlett's X2)		0.864	0.866	0.081	0.017*

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

Column 27: T3 = ([C21]+[C23]+[C25])

Column 28: T4 = ([C22]+[C24]+[C26])

University of Georgia

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

SOIL DESCRIPTION

% Sand: 88 % OM: 6.4 Texture: sandy loam
 % Silt: 8 pH: 1.0 Soil Name: Tifton sandy loam
 % Clay: 4 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Feb-19-08
Time of Day:	10 am
Application Method:	shank
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	65 F
% Relative Humidity:	45
Wind Velocity, Unit:	5 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	58 F
Soil Moisture:	moist
% Cloud Cover:	20

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CPSAN preplant
Stage Scale:	not up
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CYPRO preplant
Stage Scale:	not up
Density, Unit:	see data

University of Georgia

APPLICATION EQUIPMENT

	A
Appl. Equipment:	super bed
Operating Pressure:	
Nozzle Type:	shank
Nozzle Size:	injected
Nozzle Spacing, Unit:	11.5 inch
Nozzles/Row:	3
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	
Spray Volume, Unit:	14.8
Spray pH:	
Propellant:	nitrogen
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment