Nutsedge response to Pic Chlor 60 applied under various mulches.

Trial ID: Veg18-07 Study Dir.: Stanley Culpepper Location: Ponder farm Investigator: Stanley Culpepper

Reps: 3 Plots: 6 by 30 feet

Spray vol: 14.8 gal/ac Mix size: 1 liters (min .69451)

	.,		_						
	Treatment Name				 Amt Product to Measure	Plot N 1	lo. By l	Rep 3	
1	Pic Chlor 60 @ 21 G LDPE 1.25 mil					101	205	304	
2	Pic Chlor 60 @ 21 G Blockade 1.25 mil					102	204	303	
3	Pic Chlor 60 @ 21 G LDPE 1.75 mil					103	202	301	
4	Pic Chlor 60 @ 21 G Ginegar 1.25 mil					104	206	305	
5	Pic Chlor 60 @ 21 G Canslit 1.1 mil					105	203	306	
6	Pic Chlor 60 @ 21 G Canslit 1.3 mil					106	201	302	

Sort Order: Treatment

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

Amount* | Unit | Treatment Name | Form Conc | Form Type | Lot Code

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Compare various mulches on impact of Pic Chlor 60's ability to control nutsedge.

NUTSEDGE CONTROL:

- 1. Poor visual control was noted with both LDPE mulches. Less nutsedge did penetrate the 1.75 mil LDPE mulch when compared to the 1.25 mil LDPE mulch, but control was still very poor. Other mulches were more effective than LDPE mulches.
- 2. With visual ratings, Blockade mulch was at least 10% less effective than Canslit or Ginegar mulches at 76 d after fumigating. Trends were similar with nutsedge emergence counts; however, statistical differences between Blockade, Ginegar, and Canslit mulches were not noted.

Nutsedge response to Pic Chlor 60 applied under various mulches.

Trial ID: Veg18-07 Study Dir.: Stanley Culpepper Location: Ponder farm Investigator: Stanley Culpepper

					_
Weed Code	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO
Rating Data Type	control			#	#
Rating Unit	%		F - F		
Rating Date	•	May-14-07	Mar-28-07	Apr-12-07	May-10-07
Assessed By	SC				
Trt-Eval Interval	35 DA-A	76 DA-A	29 DA-A	44 DA-A	72 DA-A
Trt Treatment Ra					
No. Name Rate Ur	it 1	2	3	4	5
1 Pic Chlor 60 @ 21 G LDPE 1.25 mil	45 b	38 d	332 a	373 a	490 a
2 Pic Chlor 60 @ 21 G Blockade 1.25 mil	89 a	82 b	39 c	45 c	54 c
3 Pic Chlor 60 @ 21 G LDPE 1.75 mil	52 b	55 c	185 b	295 b	349 b
4 Pic Chlor 60 @ 21 G Ginegar 1.25 mil	98 a	95 a	1 c	8 c	13 c
5 Pic Chlor 60 @ 21 G Canslit 1.1 mil	95 a	93 a	4 c	11 c	19 c
6 Pic Chlor 60 @ 21 G Canslit 1.3 mil	92 a	94 a	11 c	21 c	29 c
LSD (P=.05)	9.8	6.0	91.3	63.4	58.4
Standard Deviation	5.4	3.3	50.2	34.9	32.1
CV	6.89	4.33	52.62	27.8	20.21
Bartlett's X2	5.482	4.91	30.054	18.217	20.724
P(Bartlett's X2)	0.36	0.427	0.001*	0.003*	0.001*

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

Mar-11-08 (Veg18-07) Site Description Page 3 of 5

University of Georgia

	Nutsed	ge response to Pi	c Chlor 60 applied under var	ious mulches.	
Trial ID: Veg18	-07	Stu	dy Dir.: Stanley Culpepper		
Location: Ponder			tigator: Stanley Culpepper		
	-	GENERAL TRIAL IN			
Study Director:	Stanley C		Title: Ext. Weed	Sajenae	
Affiliation:	_		TICIE: EXC. Weed	Science	
		y of Georgia			
Postal Code:	31/94				
Investigator:	Stanley Cu	ulpepper	Title: Ext. Weed	Science	
Affiliation:					
	31794	, or ocorgia			
robbar coac.	31,71				
		TRIAL LOCA	TION		
City: Ty	Гу		Trial Status:	completed	
State/Prov.: GA	-		Trial Reliability:	-	
Postal Code: 31			Initiation Date:	_	
Country: USA			Planned Completion Date:		
E-Longitude of 1	LL Corner '	٥.	N-Latitude of LL Corner °:		
Altitude of LL (Corner:	Unit:	Angle y-axis to North °:		
Directions:					
		COOPERATOR/LA			
_			_		
Org:					
			Fax No:		
_					
City:					
State/Prov:					
Postal Code:					
Conducted Under	GLP (Y/N)	· N Cc	nducted Under GEP (Y/N): N		
			tion:		
Objective:					
Conclusions:					
CONCIUSIONS:					
		CROP AND WEED DE	SCRIPTION		
Weed Code Cor	mmon Name	Sci	entific Name		
1. CYPRO purpl	le nutsedge	2			
			,		
Crop 1: none	no crop p	lanted	Variety:		
Planting Date: _		Planti	ng Method:		
			Perennial Age:		
			ow: Seed Bed: _		
			Emergence Date:		
• • • • • • • • • • • • • • • • • • • •					
		SITE AND DE	SIGN		
Plot Width, Unit	: 6 F	T Plot Lengt	h, Unit: 30 FT Reps:	3	
Site Type: Po		_	-		
Tillage Type: Co			Design: RANDOMIZED COMPLETE	BLOCK	
Trial Initiation	Comments:				
_ ·	~				
Previous	Crops	Pı	revious Pesticides	Year	
1					

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

Texture: sand

Soil Name: Tifton sandy loam

Fert. Level: __

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall Moisture Conditions: Closest Weather Station: _____ Distance: ____ Unit: __

APPLICATION DESCRIPTION

	A
Application Date:	Feb-27-07
Time of Day:	12 pm
Application Method:	shank inj
Application Timing:	preplant
Applic. Placement:	un plasti
Air Temp., Unit:	70 F
% Relative Humidity:	45
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	65 F
Soil Moisture:	moist
% Cloud Cover:	25

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	none preplant
Stage Scale:	no crop
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A
Appl. Equipment:	tractor
Operating Pressure:	inject 8"
Nozzle Type:	
Nozzle Size:	
Nozzle Spacing, Unit:	12 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:	21 GPA
Spray pH:	
Propellant:	N
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment