	Se	eeded onio	n res	ponse	to G	oal 2	XL or 4F alc	one or	mixe	ed wit	th Pr	owl 3.3EC or H20.
	rial ID: Onion6-05 Study Dir.: Stanley Culpepper											
	ocation: VORF Investigator: Stanley Culpepper											
	Reps: 4 Plots: 6 by 25 feet											
	Spray vol: 14.8 gal/ac Mix size: 1 liters (min .77168)											
Trt	Treatment					Appl	Amt Product	Plot N	lo. By l	Rep		
No.	Name	Conc Type	Rate	Unit	Stg	Code	to Measure	1	2	3	4	
1	Pendimax	3.3 EC	2	PT/A	1 If	А	16.89 ml/mx	101	204	306	403	
2	Prowl H20	3.8 L	1.76	PT/A	1 lf	А	14.86 ml/mx	102	201	310	401	
3	Goal 2 XL	2 L	3	OZ/A	1 If	А	1.584 ml/mx	103	208	305	411	
4	Goal 4 F	4 F	1.5	OZ/A	1 lf	А	0.7918 ml/mx	104	202	311	405	
5	Goal 2 XL	2 L	6	OZ/A	1 lf	А	3.167 ml/mx	105	206	302	412	
6	Goal 4 F	4 F	3	OZ/A	1 If	А	1.584 ml/mx	106	205	309	408	
7	Non-treated							107	209	303	409	
8	Pendimax	3.3 EC	2	PT/A	1 If	А	16.89 ml/mx	108	210	301	404	
	Goal 2 XL	2 L	6	OZ/A	1 If	А	3.167 ml/mx					
9	Prowl H20	3.8 L	1.76	PT/A	1 lf	А	14.86 ml/mx	109	211	307	410	
	Goal 2 XL	2 L	6	OZ/A	1 If	А	3.167 ml/mx					
10	Pendimax	3.3 EC	2	PT/A	1 lf	А	16.89 ml/mx	110	207	304	402	
	Goal 4 F	4 F	3	OZ/A	1 lf	А	1.584 ml/mx					
11	Prowl H20	3.8 EC	1.76	PT/A	1 lf	А	14.86 ml/mx	111	212	308	407	
	Goal 4 F	4 F	3	OZ/A	1 lf	А	1.584 ml/mx					
12	Non-treated							112	203	312	406	

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
63.338	ml	Pendimax	3.3	EC	
37.158	ml	Prowl H20	3.8	L	
13.857	ml	Goal 2 XL	2	L	
6.928	ml	Goal 4 F	4	F	
18.579	ml	Prowl H20	3.8	EC	

'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: Evaluate seeded onion tolerance to various pendimethalin/oxyflourfen applications.

VISUAL INJURY:

- 1. At 8 DAT no injury was noted but injury, both visual chlorosis and stunting, was noted by 26 DAT.
- 2. Injury from pendimethalin or Goal at recommended use rates caused little visual injury.
- 3. No differences among oxyflourfen products or pendimethalin products were noted.
- 4. Combinations of pendimethalin plus oxyflourfen were generally more injurious than either product applied alone.
- 5. Injury from higher rates of oxyflourfen were greater than with lower rates initially; however, injury was similar later in the season.

Seeded onic	on respons	e to Goal	2XL or 4	alone or	r mixed w	ith Prowl	3.3EC or H20.
Trial ID: Onion6-05		St	udy Dir.:	Stanley	Culpepper		
Location: VORF		Inve	stigator:	Stanley	Culpepper		
Crop Code	onion	onion	onion	onion	onion	onion	
Rating Data Type	injury		injury	injury	stunting	stunting	
Rating Unit	percent			percent	•		
Rating Date	Nov-22-05		Dec-20-05			Mar-22-06	
Assessed By	AM		AM	SC	AM		
Trt-Eval Interval	8 DA-A	26 DA-A	36 DA-A	55 DA-A	55 DA-A	128 DA-A	
Trt Treatment Rate					_		
No. Name Rate Unit		2	3	4	5	6	
1 Pendimax 2 PT/A		2 de	5 de	7 b-e	5 de	0 a	
2 Prowl H20 1.76 PT/A	0 a	3 cde	5 de	5 de	4 e	0 a	
3 Goal 2 XL 3 OZ/A	0 a	7 cd	9 cd	8 a-d	5 de	0 a	
4 Goal 4 F 1.5 OZ/A	0 a	8 C	11 c	5 cde	5 de	0 a	
5 Goal 2 XL 6 OZ/A	0 a	17 b	14 bc	10 a-d	8 cd	0 a	
6 Goal 4 F 3 OZ/A	0 a	18 ab	16 b	7 b-e	6 de	0 a	
7 Non-treated	0 a	0 e	0 e	0 e	0 f	0 a	
8 Pendimax 2 PT/A	0 a	24 a	28 a	14 ab	10 ab	0 a	
Goal 2 XL 6 OZ/A							
9 Prowl H20 1.76 PT/A	0 a	18 ab	28 a	15 a	11 a	0 a	
Goal 2 XL 6 OZ/A							
10 Pendimax 2 PT/A	0 a	21 ab	26 a	13 ab	9 bc	0 a	
Goal 4 F 3 OZ/A							
11 Prowl H20 1.76 PT/A	0 a	16 b	28 a	12 abc	10 ab	0 a	
Goal 4 F 3 OZ/A							
12 Non-treated	0 a	0 e	0 e	0 e	0 f	0 a	
LSD (P=.05)	0.0	5.3	4.8	6.2	2.3	0.0	
Standard Deviation	0.0	3.7	3.3	4.3	1.6	0.0	
CV	0.0	33.45	23.4	54.7	25.97	0.0	
Bartlett's X2	0.0	8.994	7.57	8.472	0.101	0.0	
P(Bartlett's X2)		0.438	0.477	0.487	0.999		

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

Seed	led onion response to	Goal 2XL or 4F alone or mix	ed with Prowl 3.3EC or H20.	
Trial ID: Onion	5-05	Study Dir.: Stanley Culpe	epper	
Location: VORF		Investigator: Stanley Culpe		
	GENERAL TE	RIAL INFORMATION		
Study Director:	Stanley Culpepper		. Weed Science	
	Univ. of Georgia	110101		
Postal Code:	31794			
Investigator:	Stanley Culpepper	Title: Ext	. Weed Science	
	Univ. of Georgia			
Postal Code:	31794			
	TRIZ	L LOCATION		
City: Vie	dalia	Trial Status:	completed	
State/Prov.: GA		Trial Reliability:	good	
Postal Code:		Initiation Date:	Oct-17-05	
Country: US	A	Planned Completion	n Date:	
E-Longitude of 1	LL Corner °:	N-Latitude of LL Cor	rner °:	
Altitude of LL (Corner: Unit	: Angle y-axis to No	orth °:	
Directions:				
	COOPERA	TOR/LANDOWNER		
Cooperator:		Country:		
		Phone No:		
		Fax No:		
Address 2:				
City:				
Postal Code:				
Conducted Under	GLP (Y/N): N	Conducted Under GEP (Y/N	4): N	
Guidelines:	Guideline I	Description:		
Objective:				
Conclusions:				

	CR	OP AND WEED	DESCRIPTION		
Weed Cod	e Common 1	Name		Scientific	Name

 SITE AND DESIGN

 Plot Width, Unit: 6
 FT
 Plot
 Length, Unit: 25
 FT
 Reps: 4

 Site Type:
 Vidalia Onion Research
 Farm

 Tillage Type:
 conventional
 Study Design:
 RANDOMIZED
 COMPLETE
 BLOCK

Trial Initiation Comments:

1.

	Previous Crops	Previous Pesticides	Year
1.			

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

			SOIL DESCRIPTION	
% Sand: 86	% OM:	0.47	Texture:	loamy sand
% Silt: 10	pH:	6.1	Soil Name:	
% Clay: 4	CEC:		Fert. Level:	

	ADDITIONAL M	IEASURED ELEMEN	TS
Element		Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

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

	A
Application Date:	Nov-14-05
Time of Day:	9 am
Application Method:	broadcast
Application Timing:	PRE
Applic. Placement:	overtop
Air Temp., Unit:	67 F
% Relative Humidity:	63
Wind Velocity, Unit:	0 mph
Dew Presence (Y/N):	У
Water Hardness:	
Soil Temp., Unit:	69 F
Soil Moisture:	fair/irri
% Cloud Cover:	0

APPLICATION DESCRIPTION

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ALLCE .
Stage Scale:	1 leaf
Height, Unit:	2 in

WEED STAGE AT EACH APPLICATION

	А
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

	_
	А
Appl. Equipment:	backpack
Operating Pressure:	24
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 in
Nozzles/Row:	1
Band Width, Unit:	
Boom Length, Unit:	4.5 feet
Boom Height, Unit:	15 inch
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	N

Trt No

Treatment Application Comment