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	W	eed r	espon	se to	seq	uential	burnd	lown applica	ations	s usi	ng Va	lor.
Tri	al ID: C7-05				St	udy Dir	.: Cu	lpepper				
LOC	ation: Jones Larm				Inve	estigato	r: St	anley Culpe	epper			
Rep Spra	s: 4 Plo ay vol: 14.8 gal/ac	ots: 6 t Mix	oy 25 f size: 1	eet I liters	(min .	77168)						
Trt	Treatment	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	lo. By	Rep	
No.	Name	Conc	Туре	Rate	Unit	Stg	Code	to Measure	1	2	3	4
1	Roundup WeatherMax	5.5	L	22	oz/a	BD	А	11.61 ml/mx	101	202	303	405
2	Roundup WeatherMax	5.5	L	22	oz/a	BD	А	11.61 ml/mx	102	201	304	401
	Valor	51	WDG	0.5	oz/a	BD+14d	В	0.253 g/mx				
	COC		L	1	qt/a	BD+14d	В	16.89 ml/mx				
3	Roundup WeatherMax	5.5	L	22	oz/a	BD	А	11.61 ml/mx	103	205	306	404
	Valor	51	WDG	1	oz/a	BD+14d	В	0.506 g/mx				
	COC		L	1	qt/a	BD+14d	В	16.89 ml/mx				
4	Roundup WeatherMax	5.5	L	22	oz/a	BD	А	11.61 ml/mx	104	206	302	406
	Valor	51	WDG	2	oz/a	BD+14d	В	1.012 g/mx				
	COC		L	1	qt/a	BD+14d	В	16.89 ml/mx				
5	Roundup WeatherMax	5.5	L	22	oz/a	BD	А	11.61 ml/mx	105	204	301	403
	Roundup WeatherMax	5.5	L	16	oz/a	BD+14d	В	8.446 ml/mx				
	Valor	51	WDG	1	oz/a	BD+14d	В	0.506 g/mx				
	COC		L	1	qt/a	BD+14d	В	16.89 ml/mx				
6	Roundup WeatherMax	5.5	L	22	oz/a	BD	A	11.61 ml/mx	106	203	305	402
	Roundup WeatherMax	5.5	L	16	oz/a	BD+14d	В	8.446 ml/mx				
	Valor	51	WDG	2	oz/a	BD+14d	В	1.012 g/mx				
	COC		L	1	qt/a	ВD+14d	В	16.89 ml/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
108.214	ml	Roundup WeatherMax 5.5 L	
4.111	g	Valor 51 WDG	
105.563	ml	COC L	

* '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: Determine primrose response to sequential applications including glyphosate and Valor.

Primrose response:

1. Roundup provided poor control.

2. Valor applied to primrose previously treated with glyphosate provided excellent control immediately after application. However, regrowth quickly occurred in plots treated with only Valor and the amount of primrose regrowth was directly related to the rate of Valor applied.

3. Late-season control noted that for complete control glyphosate had to be followed with Valor plus glyphosate and not just Valor alone.

Carolina geranium response:

1. Population was sporadic.

2. All programs except for Roundup alone provided excellent control.

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	W	eed i	espo	nse to sec	quential f	ourndown a	applicatio
Trial ID:	C7-05			S	Study Dir.	: Culpepp	per
Location:	Jones farm			Inv	restigator	: Stanley	^r Culpeppe
Weed Code				OEOLA	OEOLA	OEOLA	GERCA
Rating Data	Гуре			control	control	control	control
Rating Unit				percent	percent	percent	percent
Rating Date				May-05-05	May-10-05	May-24-05	May-05-05
Trt-Eval Interv	val			24 DA-A	29 DA-A	43 DA-A	24 DA-A
Trt Treatme	ent		Rate				
No. Name		Rate	Unit	1	2	3	4
1 Roundu	p WeatherMax	22	oz/a	34	58	55	81
2 Roundu	p WeatherMax	22	oz/a	93	94	70	96
Valor		0.5	oz/a				
COC		1	qt/a				
3 Roundu	p WeatherMax	22	oz/a	97	96	83	98
Valor		1	oz/a				
COC		1	qt/a				
4 Roundu	p WeatherMax	22	oz/a	97	97	90	98
Valor		2	oz/a				
COC		1	qt/a				
5 Roundu	p WeatherMax	22	oz/a	94	97	99	98
Roundu	p WeatherMax	16	oz/a				
Valor		1	oz/a				
COC		1	qt/a				
6 Roundu	p WeatherMax	22	oz/a	95	97	98	98
Roundu	p WeatherMax	16	oz/a				
Valor		2	oz/a				
COC		1	qt/a				
LSD (P=.05)				3.1	4.5	6.6	3.0
Standard Dev	viation			2.0	3.0	4.4	2.0
CV				2.41	3.32	5.35	2.13

Weed response to sequential burndown applications using Valor

Means followed by same letter do not significantly differ (P=.05, LSD)

Mar-03-06 (C07-05)

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	Weed response t	co sequential burndown applications	using Valor.
Trial ID: C7-05		Study Dir.: Culpepper	
Location: Jones	farm	Investigator: Stanley Culpepper	
	GENERAL T	RIAL INFORMATION	
Study Director:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation:	Univ. of Georgia		
Postal Code:	31794		
Investigator:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation:	Univ. of Georgia		
Postal Code:	31794		
	TRI	AL LOCATION	
City: Ti:	fton	Trial Status:	completed
State/Prov.: GA		Trial Reliability:	excellent
Postal Code: 31	794	Initiation Date:	Apr-11-05
Country: US2	A	Planned Completion Date:	
E-Longitude of 1	LL Corner °:	N-Latitude of LL Corner °:	
Altitude of LL (Corner: Uni	t: Angle y-axis to North °:	
Directions:			
	COOPER	ATOR/LANDOWNER	
Cooperator:		Country:	
Org:		Phone No:	
Address 1:		Fax No:	
Address 2:			
City:			
State/Prov:			
Postal Code:			
Conducted Under	GLP (Y/N): N	Conducted Under GEP (Y/N): N	
Guidelines:	Guideline	Description:	
Objective:			
Conclusions:			

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	OEOLA	cutleaf eveningprimrose	
2.	GERCA	Carolina geranium	

Crop 1: none non	crop		Variety: .	
Planting Date:		Planting Method	1 : .	
Rate: 0	Depth	: 0	Perennial Age: 0.	•
Row Spacing: 0	Spacing	Within Row: 0.	. Seed Bed: .	
Soil Temperature: 67	F Soil M	oisture: wet	Emergence Date:	:
Plot Width, Unit: 6 Site Type: on farm Tillage Type: none	SI FT P	TE AND DESIGN lot Length, Unit: Study Design:	25 FT Reps: RANDOMIZED COMPLETE	4 BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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MAINTENANCE

Field Prep./Maintenance:

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

%	Sand:	95	% OM:	0.67
%	silt:	2	pH:	5.8
%	Clay:	3	CEC:	

SOIL DESCRIPTION Texture: sand Soil Name: Tifton sandy loam

 Fert.	Level:	

ADDITIONAL M	IEASURED ELEMEN	ITS
Element	Quantity	Unit

	MOISTURE CONDITIONS									
	Date	Time	Amount	Unit	Туре	Interval	Unit			
1.	1	·	· ·	1	1	1				

Overall Moisture Conditions: wet		
Closest Weather Station:	Distance:	Unit:

APPLICATION DESCRIPTION

	A		в	
Application Date:	Apr-	11-05	Apr-	29-05
Time of Day:	9 am		7 pm	
Application Method:	broad	dcast	broa	dcast
Application Timing:	BD		BD +	14 d
Applic. Placement:	overtop		overtop	
Air Temp., Unit:	66	F	77	F
<pre>% Relative Humidity:</pre>	52		42	
Wind Velocity, Unit:	1	mph	3	mph
Dew Presence (Y/N):	n		n	
Water Hardness:				
Soil Temp., Unit:	67	F	78	F
Soil Moisture:	wet		wet	
% Cloud Cover:	0		0	

CROP STAGE AT EACH APPLICATION

	A	В
Crop 1 Code, Stage:	none .	none .
Stage Scale:		
Height, Unit:	0	0

WEED STAGE AT EACH APPLICATION

	A	В
Weed 1 Code, Stage:	OEOLA BD	OEOLA BD+14d
Stage Scale:	22"bloomi	22"
Density, Unit:	8 ydsq	8 ydsq
Weed 2 Code, Stage:	GERCA BD	GERCA BD+14d
Stage Scale:	8"bloom	8 "
Density, Unit:	2 ydsq	2 ydsq

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		A		В
Appl. Equipment:	backp	pack	backr	pack
Operating Pressure:	23		23	
Nozzle Type:	flat	fan	flat	fan
Nozzle Size:	11002	2	11002	2
Nozzle Spacing, Unit:	18	inch	18	inch
Nozzles/Row:				
Band Width, Unit:				
Boom Length, Unit:	4.5	feet	4.5	feet
Boom Height, Unit:	15	inch	15	inch
Ground Speed, Unit:	3	mph	3	mph
Incorporation Equip.:				
Hours to Incorp.:				
Incorp. Depth, Unit:				
Carrier:	water	<u>r</u>	water	<u> </u>
Spray Volume, Unit:	14.8	GPA	14.8	GPA
Spray pH:				
Propellant:	CO2		CO2	
Tank Mix (Y/N):	n		n	

APPLICATION EQUIPMENT

Trt No

Treatment Application Comment