	Winter weed response to A1719.										
	Trial ID: C5-05 Study Dir.: Culpepper Location: Jones farm Investigator: Stanley Culpepper										
Reps: 4		ots: 6 by 25 f Mix size: ′							-		
Trt Trea [.] No. Nam		Form Form Conc Type					Amt Product to Measure	Plot N 1	lo. By l 2	Rep 3	4
1 Rour	ndup WeatherMax	5.5 L	22	oz/a	BD	А	11.61 ml/mx	101	206	303	402
2 Rour A171 NIS	ndup WeatherMax 9	5.5 L L L	32	oz/a oz/a % v/v	BD BD BD	A A A	11.61 ml/mx 16.89 ml/mx 2.5 ml/mx	-	207	301	408
3 Gram NIS	noxone Max	3 SL L	-	oz/a % v/v	BD BD	A A	16.89 ml/mx 2.5 ml/mx	103	208	306	401
4 Gram A171	noxone Max 9	3 SL L	-	oz/a oz/a	BD BD	A A	16.89 ml/mx 16.89 ml/mx		201	302	403
5 non-t	treated							105	203	305	406
6 Rour A171	ndup WeatherMax 9	5.5 L L		oz/a oz/a	BD BD	A A	11.61 ml/mx 8.446 ml/mx		205	308	404
7 Gram A171 NIS	noxone Max 9	3 SL L L	16	oz/a oz/a % v/v	BD BD BD	A A A	16.89 ml/mx 8.446 ml/mx 2.5 ml/mx		202	304	407
8 Rour Wee	ndup WeatherMax dar	5.5 L 4 L		oz/a pt/a	BD BD	A A	11.61 ml/mx 8.445 ml/mx		204	307	405

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
58.066	ml	Roundup WeatherMax 5.5 L	
63.345	ml	A1719 L	
9.374	ml	NIS L	
63.345	ml	Gramoxone Max 3 SL	
10.556	ml	Weedar 4 L	

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

^r Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 14.8 gal/ac, mix size= 1 liters.

Trial Comments

OBJECTIVE: Evaluate A1719 as a burndown in mixture with Roundup or Gramoxone.

Primrose response:

1. Roundup alone provided poor control.

2. A1719 mixed with WeatherMax did not improve control above that noted by WeatherMax alone for the first four weeks after treatment; however, at 43 days after treatment A1719 mixed with WeatherMax was 21 to 22% more effective than WeatherMax alone. Adding more surfactant to the WeatherMax + A1719 mixture did not improve control.

3. Mixing A1719 with Gramoxone did not improve control compared to Gramoxone alone.

4. Weedar was much more effective than A1719 when mixed with WeatherMax for the control of primrose.

University of Georgia

						-		
				Wint	er weed	response	to A1719.	
meet .	al ID: C5-05					· Culman		
	ation: Jones farm					.: Culpep	per y Culpepp	ar
	ed Code			OEOLA	OEOLA			
	ng Data Type			control	control		control	control
	ng Unit ng Date			percent			percent May-09-05	
	Eval Interval			8 DA-A	16 DA-A	24 DA-A	28 DA-A	28 DA-A
			Data	0 DA-A	TO DA-A	24 DA-A	20 DA-A	20 DA-A
	Treatment Name	Rate	Rate	1	2	3	4	5
								-
1	Roundup WeatherMax		oz/a	22	56	38	60	60
2	Roundup WeatherMax		oz/a	38	63	49	65	82
	A1719		oz/a					
	NIS		% v/v					
3	Gramoxone Max	-	oz/a	90	91	84	83	76
	NIS		% v/v					
4	Gramoxone Max	-	oz/a	91	93	89	85	78
	A1719	32	oz/a					
5	non-treated			0	0	0	0	0
6	Roundup WeatherMax	22	oz/a	17	60	40	62	81
	A1719	16	oz/a					
7	Gramoxone Max	32	oz/a	91	91	88	87	81
	A1719	-	oz/a					
	NIS	0.25	% v/v					
8	Roundup WeatherMax	22	oz/a	51	75	74	91	99
	Weedar	1	pt/a					
LSD	(P=.05)			6.9	3.9	5.6	5.2	8.8
	dard Deviation			4.7	2.6	3.8	3.5	6.0
CV				9.4	3.98	6.61	5.25	8.64

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

		Winter weed response to A1719.							
Trial ID: C5-05 Location: Jones	farm	Study Dir.: Culpepper Investigator: Stanley Culpepper							
	GENERAL TRIAL INFORMATION								
	Culpepper Univ. of Georgia 31794	Title: Ext. Weed	Science						
	Stanley Culpepper Univ. of Georgia 31794	Title: Ext. Weed	Science						
	TRI	IAL LOCATION							
	794 A LL Corner °:	Trial Status: Trial Reliability: Initiation Date: Planned Completion Date: N-Latitude of LL Corner °: Lt: Angle y-axis to North °:	excellent Apr-11-05						
	COOPER	RATOR/LANDOWNER							
Cooperator:		Country:							
-		Phone No:							
Address 2: City:									
		Conducted Under GEP (Y/N): N Description:							
Conclusions:									

			CROP AND	WEED DES	SCRIPTI	ION			
Weed	Code	Common	Name		S	cienti	lfic Nam	ne	
1.	OEOLA	cutleaf eveni	ngprimrose						
Crop	1: no:	ne no crop					Variety	:	
Plant	ing Da	te:		Planti	ng Meth	nod: _			
Rate:			Depth:	Perennial Age:					
Row S	pacing	:	Spacing W	ithin Ro			Se	ed Bed: _	
Soil	Tempera	ature:	_ Soil Moi	sture: _			Emerg	ence Date	:
			SITE	AND DES	SIGN				
Plot	Width,	Unit: 6	FT Plc	t Lengtl	n, Unit	: 25	FT	Reps:	4
Site	Type:	on farm							
Tilla	ge Typ	e: no tillage		Study	Desigr	1: RAN	DOMIZED	COMPLETE	BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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

		SOIL DESCRIPTION
% Sand: 95	% OM: 0.67	Texture: sand
% Silt: 2	pH: 5.6	Soil Name: Tifton sandy loam
% Clay: 3	CEC:	_ Fert. Level:

	ADDITIONAL M	IEASURED	ELEMEN	TS
Element		Quant	ity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall Moisture Conditions: _____ Distance: ____ Unit: ___

APPLICATION DESCRIPTION

	A
Application Date:	Apr-11-05
Time of Day:	10 am
Application Method:	broadcast
Application Timing:	burndown
Applic. Placement:	overtop
Air Temp., Unit:	70 F
<pre>% Relative Humidity:</pre>	48
Wind Velocity, Unit:	2 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	68 F
Soil Moisture:	wet
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	OEOLA burndown
Stage Scale:	22",bloom
Density, Unit:	8 ydsq

	-
	A
Appl. Equipment:	backpack
Operating Pressure:	23
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 inch
Nozzles/Row:	2
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):	Y

Trt No

Treatment Application Comment