



# University of Georgia

## Weed response to sequential burndown applications using Valor.

Trial ID: C7-05

Study Dir.: Culpepper

Location: Jones farm

Investigator: Stanley Culpepper

Weed Code	OEOLA	OEOLA	OEOLA	GERCA			
Rating Data Type	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 Interval	24 DA-A	29 DA-A	43 DA-A	24 DA-A			
Trt No.	Treatment Name	Rate	Unit	1	2	3	4
1	Roundup WeatherMax	22	oz/a	34	58	55	81
2	Roundup WeatherMax Valor COC	22 0.5 1	oz/a oz/a qt/a	93	94	70	96
3	Roundup WeatherMax Valor COC	22 1 1	oz/a oz/a qt/a	97	96	83	98
4	Roundup WeatherMax Valor COC	22 2 1	oz/a oz/a qt/a	97	97	90	98
5	Roundup WeatherMax Roundup WeatherMax Valor COC	22 16 1 1	oz/a oz/a oz/a qt/a	94	97	99	98
6	Roundup WeatherMax Roundup WeatherMax Valor COC	22 16 2 1	oz/a oz/a oz/a qt/a	95	97	98	98
LSD (P=.05)				3.1	4.5	6.6	3.0
Standard Deviation				2.0	3.0	4.4	2.0
CV				2.41	3.32	5.35	2.13

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



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## MAINTENANCE

Field Prep./Maintenance:

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

### SOIL DESCRIPTION

% Sand: 95	% OM: 0.67	Texture: sand	
% Silt: 2	pH: 5.8	Soil Name: Tifton sandy loam	
% Clay: 3	CEC: _____	Fert. Level: _____	

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: wet

Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_

### APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-11-05	Apr-29-05
Time of Day:	9 am	7 pm
Application Method:	broadcast	broadcast
Application Timing:	BD	BD + 14 d
Applic. Placement:	overtop	overtop
Air Temp., Unit:	66 F	77 F
% Relative Humidity:	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	B
Crop 1 Code, Stage:	none .	none .
Stage Scale:	.	.
Height, Unit:	0. .	0. .

### WEED STAGE AT EACH APPLICATION

	A	B
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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## APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment