Annual ryegrass and weed response to a row middle tank mixture.

Trial ID: Veg23-05 Study Dir.: Stanley Culpepper Location: Coggins Investigator: Stanley Culpepper

Reps: 4 Plots: 6 by 50 feet

Spray vol: 14.8 gal/ac Mix size: 1.5 liters (min 1.5434)

Trt	Treatment	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	lo. By l	Rep		
No.	Name	Conc	Type	Rate	Unit	Stg	Code	to Measure	1	2	3	4	
1	Valor	51	WDG	3	oz/a		Α	2.277 g/mx	101	202	301	402	
	Dual Magnum	7.62	L	1	pt/a		Α	12.67 ml/mx					
	Prowl H20	3.8	EC	1	qt/a		Α	25.34 ml/mx					
2	Non-treated								102	201	302	401	

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
2.846	g	Valor 51 WDG	
15.834	ml	Dual Magnum 7.62 L	
31.669	ml	Prowl H20 3.8 EC	

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1.5 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine if a Valor/Dual/Prowl mixture can be applied after ryegrass emergence without causing severe injury.

VISUAL RESPONSE:

1. The Valor, Dual, Prowl mixture killed the ryegrass covercrop for the most part.

Annual ryegrass and weed response to a row middle tank mixture.

Trial ID: Veg23-05 Study Dir.: Stanley Culpepper Location: Coggins Investigator: Stanley Culpepper

Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval	ryegrass injury percent Apr-06-05 7 DA-A
Trt Treatment	Rate
No. Name	Rate Unit 1
1 Valor	3 oz/a 86
Dual Magnu	m 1 pt/a
Prowl H20	1 qt/a
2 Non-treated	0
LSD (P=.05)	7.6
Standard Deviation	on 3.4
CV	7.85

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

Mar-03-06 (VEG23-05) Site Description Page 3 of 5

University of Georgia

	Annual ryegrass and we	ed response to a row middle t	cank mixture.
Trial ID: Veg23-05	Stu	dy Dir.: Stanley Culpepper	
Location: Coggins		tigator: Stanley Culpepper	
	GENERAL TRIAL IN		
Study Director: Star		Title: Ext. Weed	Science
Affiliation: Univ		TICLE: EAC. WEEG	Science
Postal Code: 3179			
Postal Code: 317	94		
Investigator: Star	nley Culpepper	Title: Ext. Weed	Science
Affiliation: Univ		TICIC: HAC. WCCC	beteliee
Postal Code: 3179			
roscar code. 317.	7 1		
	TRIAL LOCA	TION	
City: TyTy		Trial Status:	completed
State/Prov.: GA		Trial Reliability:	
Postal Code: 31794		Initiation Date:	
Country: USA		Planned Completion Date:	
	orner °:	N-Latitude of LL Corner °:	
		Angle y-axis to North °:	
Directions:			
	COOPERATOR/LA	NDOWNER	
Cooperator:		Country:	
Org:		Phone No:	
Address 1:			
Address 2:			
City:			
State/Prov:			
Postal Code:			
Conducted Under GLP	(Y/N): N Co	nducted Under GEP (Y/N): N	
Guidelines:	Guideline Descrip	tion:	
Objective:			
Conclusions:			
	CROP AND WEED DE		
Weed Code Common Nar	ne Scientif	ic Name	
1. none weed free			
Crop 1: ryegr anr		Variety: .	
Planting Date:	Planti	ng Method: seeded	
Rate: 0.	Depth: 0	Perennial Age: 0.	
Row Spacing: 0.		ow: 0 Seed Bed: .	
		. Emergence Date:	
	SITE AND DE	SIGN	
Plot Width, Unit: 6		h, Unit: 50 FT Reps:	4
Site Type: on far			
Tillage Type: none		Design: RANDOMIZED COMPLETE	BLOCK
1F Hone	Scaay		
Trial Initiation Com	ments:		
Previous Cro	os Pi	revious Pesticides	Year

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

SOIL DESCRIPTION

%	Sand:	96	% OM:	1	Texture:	sand
%	Silt:	3	pH:	6.3	Soil Name:	
%	Clav:	1	CEC:		Fert. Level:	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit	

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall I	Moisture Conditio	ons: wet		
Closest V	Weather Station:		Distance:	Unit:

APPLICATION DESCRIPTION

	A
Application Date:	Mar-30-05
Time of Day:	3 pm
Application Method:	broadcast
Application Timing:	POT
Applic. Placement:	overtop
Air Temp., Unit:	82 F
<pre>% Relative Humidity:</pre>	50
Wind Velocity, Unit:	0 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	88 F
Soil Moisture:	moist
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ryegr POT
Stage Scale:	2 lf
Height, Unit:	2 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	none .
Stage Scale:	•
Density, Unit:	

APPLICATION EQUIPMENT

		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:	wate	r
Spray Volume, Unit:	14.8	GPA
Spray pH:		
Propellant:	CO2	
Tank Mix (Y/N):	Y	

Trt No	Treatment Application Comment