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Oat and rye response to Axiom applied at spike.

Trial ID: Oat&Rye03-05

Study Dir.: Culpepper

Location: Ponder farm

Investigator: Stanley Culpepper

Weed Code	rye	rye	rye	rye	oat	oat	oat	RAPRA
Crop Code	rye	rye	rye	rye	oat	oat	oat	
Rating Data Type	injury	injury	injury	injury	injury	injury	injury	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent
Rating Date	Nov-15-04	Nov-19-04	Dec-28-04	Jan-21-05	Nov-19-04	Dec-28-04	Jan-21-05	Nov-19-04
Trt-Eval Interval	10 DA-A	14 DA-A	53 DA-A	69 DA-A	14 DA-A	53 DA-A	69 DA-A	14 DA-A
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
1	2	3	4	5	6	7	8	
1	Non-treated							
2	Axiom	8 oz/a						
LSD (P=.05)	0.0	7.5	26.1	2.9	10.0	31.3	24.8	15.0
Standard Deviation	0.0	2.1	7.4	0.8	2.9	8.9	7.1	4.3
CV	0.0	16.97	18.65	2.06	131.9	26.04	35.36	9.33

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

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Weed Code	RAPRA	RAPRA	LAMAM
Crop Code			
Rating Data Type	control	control	control
Rating Unit	percent	percent	percent
Rating Date	Dec-28-04	Jan-21-05	Jan-21-05
Trt-Eval Interval	45 DA-A	53 DA-A	69 DA-A
Trt No.	9	10	11
Treatment Name			
Rate			
Unit			
1 Non-treated	0	0	0
2 Axiom 8 oz/a	99	99	99
LSD (P=.05)	0.0	0.0	0.0
Standard Deviation	0.0	0.0	0.0
CV	0.0	0.0	0.0

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

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	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 94	% OM: 1.3	Texture: sand	
% Silt: 2	pH: 5.9	Soil Name: Tifton sandy loam	
% Clay: 4	CEC: _____	Fert. Level: _____	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: .

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A
Application Date:	Nov-13-04
Time of Day:	11 am
Application Method:	broadcast
Application Timing:	spike
Applic. Placement:	overtop
Air Temp., Unit:	60 F
% Relative Humidity:	37
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	58 F
Soil Moisture:	moist
% Cloud Cover:	25

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	Rye spike
Stage Scale:	spike
Height, Unit:	1 inch
Crop 2 Code, Stage:	Oat spike
Stage Scale:	spike
Height, Unit:	0.75 inch

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WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	RAPRA spike
Stage Scale:	up to 4"
Density, Unit:	4 ydsq
Weed 2 Code, Stage:	LAMAM spike
Stage Scale:	up to 4"
Density, Unit:	4 ydsq

APPLICATION EQUIPMENT

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