University of Georgia

Axiom and Osprey carryover over potential to cotton.

Trial ID: C40-03 Study Dir.: Culpepper, Grey
Location: Ponder farm Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Culpepper, Grey **Title:** Weed science
Affiliation: University of Georgia
Postal Code: 31794
Investigator: Stanley Culpepper **Title:** Ext.weed science
Affiliation: University of Georgia
Postal Code: 31794

TRIAL LOCATION

City: TyTY **Trial Status:** completed
State/Prov.: Ga **Trial Reliability:** good
Postal Code: 31795 **Initiation Date:** Feb-02-03
Country: U.S.A

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Crop 1: GOSHI cotton **Variety:** DP 555 B/RR
Planting Date: May-01-03 **Planting Method:** strip tillage
Rate: 3 seed/ft **Depth:** 0.5 in
Row Spacing: 36 inch **Spacing Within Row:** 4 inch **Seed Bed:** bedded
Soil Temperature: 72 F **Soil Moisture:** moist **Emergence Date:** May-06-03

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 40 FT **Reps:** 4
Site Type: Research station
Tillage Type: strip tillage **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 94 **% OM:** 1.3 **Texture:** sand
% Silt: 2 **pH:** 5.4 **Soil Name:** Tifton sandy loam
% Clay: 4

APPLICATION DESCRIPTION

	A
Application Date:	Feb-02-03
Time of Day:	9 am
Application Method:	broadcast
Application Timing:	POST
Applic. Placement:	overtop
Air Temp., Unit:	63 F
% Relative Humidity:	60
Wind Velocity, Unit:	1 mph
Dew Presence (Y/N):	n
Soil Temp., Unit:	63 F
Soil Moisture:	fair
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

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

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	22
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 inch
Nozzles/Row:	2
Boom Length, Unit:	4.5 feet
Boom Height, Unit:	15 inch
Ground Speed, Unit:	3 mph
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Propellant:	CO2
Tank Mix (Y/N):	Y

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Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5
Crop Code				GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type				injury	injury	injury	injury	injury
Rating Unit				percent	percent	percent	percent	percent
Rating Date				May-19-03	Jun-04-03	Jun-24-03	Jul-10-03	Sep-09-03
Trt-Eval Interval				106 DA-A	122 DA-A	142 DA-A	158 DA-A	219 DA-A
1	non-treated			0.0	0.0	0.0	0.0	0.0
2	Axiom	6	oz/a	0.0	0.0	0.0	0.0	0.0
3	Axiom	8	oz/a	0.0	0.0	0.0	0.0	0.0
4	Axiom	10	oz/a	0.0	0.0	0.0	0.0	0.0
5	AE F130060 01	18.22	g ai/a	0.0	0.0	0.0	0.0	0.0
	Destiny	1.5	pt/a					
	UAN (30%)	3.8	pt/a					
6	AE F130060 01	18.22	g ai/a	0.0	0.0	0.0	0.0	0.0
	NIS	0.25	% v/v					
7	Hoelon	1.33	pt/a	0.0	0.0	0.0	0.0	0.0
8	AE F130060 01	18.22	g ai/a	0.0	0.0	0.0	0.0	0.0
	Destiny	1.5	pt/a					
	UAN (30%)	3.8	pt/a					
9	AE F130060 01	18.22	g ai/a	0.0	0.0	0.0	0.0	0.0
	NIS	0.25	% v/v					
10	Hoelon	2.5	pt/a	0.0	0.0	0.0	0.0	0.0
11	2,4-D	1.25	pt/a	0.0	0.0	0.0	0.0	0.0
12	MCPA	0.75	pt/a	0.0	0.0	0.0	0.0	0.0
	Express	0.25	oz/a					
	NIS	0.125	% v/v					
LSD (P=.05)				0.00	0.00	0.00	0.00	0.00
Standard Deviation				0.00	0.00	0.00	0.00	0.00
CV				0.0	0.0	0.0	0.0	0.0
Bartlett's X2				0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)				.	.	.	.	.

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trial Comments

OBJECTIVE: Evaluate carryover potential of Osprey applied in wheat to cotton.

COTTON RESPONSE:
1) No visual injury from treatments was noted at any time.