

Washington State University

Axiom followed by Osprey-Grass Weeds

Trial ID: ICB0311 Protocol ID: ICB0311
 Location: Wilke Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact: Bayer CropScience

General Trial Information

Investigator: Dr. Ian C. Burke

Trial Location
City: Davenport **Latitude of LL Corner °:** 47.39071 N
State/Prov.: Washington **Longitude of LL Corner °:** 118.07686 W
Altitude of LL Corner, Unit: 2483.00 FT
Country: USA United States

Personnel

Investigator: Dr. Ian C. Burke

Crop Description

Winter Wheat
Variety: Eltan/Madsen
Planting Method: GP DRI **Planting Date:** Sep-28-2010
Depth, Unit: 1 IN **Rate, Unit:** 70 LB/A
Row Spacing, Unit: 7.5 IN
Seed Bed: MEDIUM medium
Soil Moisture: MOIST
Harvest Date: Sep-7-2011 **Harvest Equipment:** Kincaid 8 XP
Harvested Width, Unit: 5 FT **Harvested Length, Unit:** 38 FT

Pest Description

Pest 1 Type: W **Code:** SSYAL *Sisymbrium altissimum*
Common Name: Tumble mustard

Pest 2 Type: W **Code:** BROTE *Bromus tectorum*
Common Name: Downy brome

Pest 3 Type: W **Code:** LACSE *Lactuca serriola*
Common Name: Prickly lettuce

Site and Design

Plot Width, Unit: 8 FT
Plot Length, Unit: 35 FT
Plot Area, Unit: 280 FT²
Replications: 4 **Study Design:** RACOBL Randomized Complete Block (RCB)

Application Description

	A	B
Application Date:	Oct-1-2010	May-19-2011
Time of Day:	0930	1000
Application Method:	SPRAY	CO2 BP
Application Timing:	PREE	POSPOS
Application Placement:	SOIL	FOLIAR
Applied By:	RR	RR
Air Temperature, Unit:	66.4 F	64 F
% Relative Humidity:	44	29
Wind Velocity, Unit:	6.2 MPH	2.9 MPH
Wind Direction:	ENE	SE
Dew Presence (Y/N):	N no	
Soil Temperature, Unit:	12 C	
Soil Moisture:	DRY	DRY
% Cloud Cover:	0	5

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Crop Stage At Each Application

	A	B
Stage Scale Used:	PREE	DESC
Stage Majority, Percent:		2 Jt 2 T 100
Height, Unit:		8 IN
Height Minimum, Maximum:		6 12

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SSYAL W	SSYAL W
Stage Majority, Percent:	NA	Rose 100
Diameter, Unit:		0.5 In
Density, Unit:		1 Plant
Coverage, Unit:		1 M2
Pest 2 Code, Type, Scale:	BROTE W	BROTE W
Stage Majority, Percent:		2 Jt 1 100
Density, Unit:		1 Plant
Coverage, Unit:		1 M2
Pest 3 Code, Type, Scale:	LACSE W	LACSE W
Stage Majority, Percent:		Rose 100
Stage Minimum, Percent:		2 lf 50
Stage Maximum, Percent:		5 lf 50
Diameter, Unit:		3 IN
Density, Unit:		2 Plants

Application Equipment

	A	B
Appl. Equipment:	SPRAY	SPRAY
Equipment Type:	CO2 BP	CO2 BP
Operation Pressure, Unit:	35 PSI	35 PSI
Nozzle Type:	Flat Fan	Flat Fan
Nozzle Size:	8015	8015
Nozzle Spacing, Unit:	18 IN	18 IN
Nozzles/Row:	4	4
Boom Length, Unit:	6 Ft	6 Ft
Boom Height, Unit:	24 IN	24 IN
Ground Speed, Unit:	3 MPH	3 MPH
Spray Volume, Unit:	15 gal/ac	15 gal/ac
Mix Size, Unit:	1.5 Liters	1.5 Liters

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Pest Type	W Weed	W Weed		
Pest Code	BROTE	BROTE		
Pest Scientific Name	Bromus tectorum	Bromus tectorum		
Pest Name	Downy brome	Downy brome		
Crop Name			Winter Wheat	Winter Wheat
Part Rated	Foliag -	Foliag -	SEED -	SEED -
Rating Date	Jun-6-2011	Jul-12-2011	Sep-7-2011	Sep-7-2011
Rating Type	CONTROL	CONTROL	Test Weight	YIELD
Rating Unit	%	%	Lbs/bu	BU/A
Number of Subsamples	1	1	1	1
Assessed By	NL	NL		
Days After First/Last Applic.	248 18	284 54	341 111	341 111
Trt-Eval Interval				
Plant-Eval Interval	251 DP-1	287 DP-1	344 DP-1	344 DP-1
ARM Action Codes				
Number of Decimals				
Trt No.	2	3	13	14
Treatment Name				
Rate				
Unit				
Appl Code				
1 Untreated	0.0	0.0	59.338	79.081032
2 AXIOM 10 oz/a A	77.3	91.0	59.308	85.889459
3 KIH-485 1.68 oz/a A	83.5	87.5	59.443	89.082925
4 AXIOM 10 oz/a A OSPREY 4.75 oz/a B NIS 0.5 % v/v B UAN 4 pt/a B	88.3	83.8	58.805	86.761926
5 OSPREY 4.75 oz/a B NIS 0.5 % v/v B UAN 4 pt/a B	94.5	80.0	59.415	92.396539
LSD (P=.05)	16.45	13.72	0.5330	24.4289232
Standard Deviation	10.68	8.91	0.3460	15.8548495
CV	15.54	13.01	0.58	18.3