

Washington State University

COMPARING RATES OF OSPREY, HUSKIE and TANKMIX PARTNER for BEST CONTROL of GRASSES and MAYWEED CHAMOMILE.

Trial ID: ICB3211 Protocol ID: ICB3211
 Location: COOK FARM Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact: DEAN CHRISTIE / BAYER CROPS SCIENCE

General Trial Information

Investigator: Dr. Ian C. Burke

Trial Location
 City: Pullman Latitude of LL Corner °: 46.46815 N
 State/Prov.: Washington Longitude of LL Corner °: 117.0566 W
 Altitude of LL Corner, Unit: 2576.00 FT

Personnel

Investigator: Dr. Ian C. Burke

Crop Description

Winter Wheat
 Variety: Brundage 96
 Planting Date: Oct-18-2010
 Planting Method: HORSCH Rate, Unit: 100 LB/A
 Depth, Unit: 1.5 IN
 Row Spacing, Unit: 12 IN
 Seed Bed: NTILL
 Harvested Width, Unit: 5 FT Harvested Length, Unit: 29 FT

Pest Description

Pest 1 Type: W **Code:** LOLMU Lolium multiflorum
 Common Name: Italian ryegrass
Pest 2 Type: W **Code:** ANTCO Anthemis cotula
 Common Name: Mayweed chamomile
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
Application Date:	May-11-2011
Time of Day:	1700
Application Method:	CO2 BP
Application Timing:	POSPOS
Application Placement:	FOLIAR
Applied By:	RR
Air Temperature, Unit:	69 F
% Relative Humidity:	25
Wind Velocity, Unit:	3 MPH
Wind Direction:	SW
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	10 C
Soil Moisture:	DRY
% Cloud Cover:	90
Next Rain Occurred On:	May-12-2011

Washington State University

Crop Stage At Each Application

	A
Stage Scale Used:	DESC
Stage Majority, Percent:	tiller 100
Stage Minimum, Percent:	2 till 50
Stage Maximum, Percent:	4 till 50
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10
Crop coverage (%):	50

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	LOLMU W
Stage Majority, Percent:	5 lf 100
Stage Minimum, Percent:	2 till 50
Stage Maximum, Percent:	3 till 50
Height, Unit:	3 IN
Density, Unit:	101 Plants
Coverage, Unit:	1 M2
Pest 2 Code, Type, Scale:	ANTCO W
Stage Majority, Percent:	5 lf 100
Density, Unit:	7 Plants
Coverage, Unit:	1 M2
Pest 3 Code, Type, Scale:	LACSE W
Stage Majority, Percent:	3 lf. 100
Density, Unit:	1 Plant
Coverage, Unit:	1 M2

Application Equipment

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

Washington State University

COMPARING RATES OF OSPREY, HUSKIE and TANKMIX PARTNER for BEST CONTROL of GRASSES and MAYWEED CHAMOMILE.

Trial ID: ICB3211 Protocol ID: ICB3211
 Location: COOK FARM Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact: DEAN CHRISTIE / BAYER CROPS SCIENCE

Pest Type	W Weed	W Weed		
Pest Code	ANTCO	LOLMU		
Pest Scientific Name	Anthemis cotula	Lolium multifl>		
Pest Name	Mayweed chamom>	Italian ryegra>		
Crop Name			Winter Wheat	Winter Wheat
Part Rated	Foliag -	Foliag -	SEED -	SEED -
Rating Date	Jul-6-2011	Aug-10-2011	Aug-25-2011	Aug-25-2011
Rating Type	Control	CONTROL	Test Wt.	YIELD
Rating Unit	%	%	lbs/bu	BU/A
Number of Subsamples	1	1	1	1
Assessed By	Alan R.	ICB		
Days After First/Last Applic.	56 56	91 91	106 106	106 106
Trt-Eval Interval	56 DA-A	91 DA-A	106 DA-A	106 DA-A
Plant-Eval Interval	261 DP-1	296 DP-1	311 DP-1	311 DP-1
ARM Action Codes				
Number of Decimals				
Trt No.	Treatment Name	Rate	Appl Unit	Code
		4		5
			16	17
1	UNTREATED	0.0		0.0
2	OSPREY	4.75 oz/a	A	77.5
	UAN	1 qt/a	A	67.5
	NIS	0.5 % v/v	A	55.648
3	OSPREY	4.75 oz/a	A	93.8
	HUSKIE	13.5 oz/a	A	77.5
	NIS	0.5 % v/v	A	55.348
	UAN	1 qt/a	A	56.1812953
4	OSPREY	4.75 oz/a	A	93.8
	STARANE FLEX	13.5 oz/a	A	71.3
	UAN	1 qt/a	A	55.420
	NIS	0.5 % v/v	A	52.9197708
5	OSPREY	4.75 oz/a	A	95.0
	HUSKIE	11.0 oz/a	A	73.8
	STARANE FLEX	13.5 oz/a	A	54.963
	NIS	0.5 % v/v	A	55.2104242
	UAN	1 qt/a	A	
6	OSPREY	4.75 oz/a	A	95.0
	HUSKIE	13.5 oz/a	A	78.8
	STARANE FLEX	13.5 oz/a	A	55.363
	UAN	1 qt/a	A	55.4948023
	NIS	0.5 % v/v	A	
7	OSPREY	4.75 oz/a	A	95.0
	HUSKIE	13.5 oz/a	A	80.0
	STARANE FLEX	17.0 oz/a	A	56.310
	UAN	1 qt/a	A	52.0392584
	NIS	0.5 % v/v	A	
LSD (P=.05)		8.92		16.17
Standard Deviation		6.00		10.88
CV		7.64		16.98
				1.6072
				1.0818
				1.95
				11.57325288
				7.79012376
				14.55