

Washington State University

COMPARE RATES OF HUSKIE and the TANKMIX PARTNER for CONTROL of MAYWEED CHAMOMILE.

Trial ID: ICB3311 Protocol ID: ICB3311
 Location: COOK Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact: DEAN CHRISTIE / Bayer CropScience

General Trial Information

Investigator: Dr. Ian C. Burke

Trial Location

City: Pullman **Latitude of LL Corner °:** 46.46768 N
State/Prov.: Washington **Longitude of LL Corner °:** 117.05638 W
Postal Code: 99163 **Altitude of LL Corner, Unit:** 2550.00 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
Harvest Date: Aug-24-2011 **Harvest Equipment:** KINCAID 8 XP
Harvested Width, Unit: 5 FT **Harvested Length, Unit:** 32 FT

Pest Description

Pest 1 Type: W **Code:** ANTCO Anthemis cotula
Common Name: Mayweed chamomile
Pest 2 Type: W **Code:** LOLMU Lolium multiflorum
Common Name: Italian ryegrass
Pest 3 Type: W **Code:** LACSE Lactuca serriola
Common Name: Prickly lettuce
Pest 4 Type: W **Code:** SONAS Sonchus asper
Common Name: Spiny sowthistle

Site and Design

Plot Width, Unit: 8 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 240 FT²
Replications: 4 **Study Design:** RACOB L Randomized Complete Block (RCB)

Soil Description

Description Name: Silt Loam Cook west
% Sand: 27.5 **% OM:** 1.99
% Silt: 56.3 **pH:** 4.9
% Clay: 16.2 **CEC:** 20.7
Analyzed By:
 Northwest Agricultural Consultants

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Application Description

	A
Application Date:	May-11-2011
Time of Day:	1100
Application Method:	CO2 BP
Application Timing:	POSPOS
Application Placement:	FOLIAR
Applied By:	RR
Air Temperature, Unit:	65.1 F
% Relative Humidity:	49
Wind Velocity, Unit:	3 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	10 C
Soil Moisture:	DRY
% Cloud Cover:	0

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:	ANTCO W
Stage Majority, Percent:	4-9 lf
Density, Unit:	83 Plants
Coverage, Unit:	1 M2
Pest 2 Code, Type, Scale:	LOLMU W
Stage Majority, Percent:	4 lf 100
Height Minimum, Maximum:	0.5 2
Density, Unit:	83 Plants
Coverage, Unit:	1 M2
Pest 3 Code, Type, Scale:	LACSE W
Stage Majority, Percent:	2 lf 100
Density, Unit:	3 Plants
Coverage, Unit:	1 M2
Pest 4 Code, Type, Scale:	SONAS W
Stage Majority, Percent:	2 lf 100
Density, Unit:	6 Plants
Coverage, Unit:	1 M2

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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

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Pest Type	W Weed	W Weed				
Pest Code	ANTCO	ANTCO				
Pest Scientific Name	Anthemis cotula	Anthemis cotula				
Pest Name	Mayweed chamom>	Mayweed chamom>				
Crop Name			Winter Wheat	Winter Wheat		
Part Rated			SEED -	SEED -		
Rating Date	Foliag -	Foliag -	Aug-24-2011	Aug-24-2011		
Rating Type	Jun-13-2011	Aug-10-2011	Test Wt.	YIELD		
Rating Unit	CONTROL	CONTROL	lbs/BU	BU/A		
Number of Subsamples	%	%	1	1		
Assessed By	1	1				
Days After First/Last Applic.	ICB	MRM	105 105	105 105		
Trt-Eval Interval	33 33	91 91	105 DA-A	105 DA-A		
Plant-Eval Interval	33 DA-A	91 DA-A	310 DP-1	310 DP-1		
ARM Action Codes	238 DP-1	296 DP-1		TY1		
Number of Decimals				2		
Trt No.	Treatment Name	Rate	Appl Unit	Code		
		5	6	9		
		11				
1	UNTREATED	0.0	0.0	58.205	98.20	
2	HUSKIE UAN	11.0 oz/a 1 qt/a A	80.3	73.8	58.043	87.96
3	HUSKIE UAN	13.5 oz/a 1 qt/a A	92.0	87.5	58.235	91.43
4	STARANE FLEX NIS	13.5 oz/a 0.5 % v/v A	80.0	73.8	58.115	90.39
5	HUSKIE STARANE FLEX UAN NIS	11.0 oz/a 13.5 oz/a 1 qt/a 0.5 % v/v A	92.8	91.3	57.643	92.18
6	HUSKIE STARANE FLEX UAN NIS	13.5 oz/a 13.5 oz/a 1 qt/a 0.5 % v/v A	95.8	93.8	57.008	86.47
7	HUSKIE AFFINITY TM UAN NIS	13.5 oz/a 0.8 oz/a 1 qt/a 0.5 % v/v A	96.8	95.0	56.713	82.54
8	HUSKIE WIDEMATCH UAN	13.5 oz/a 16 oz/a 1 qt/a A	98.0	95.0	57.035	95.73
9	HUSKIE ORION UAN NIS	13.5 oz/a 17 oz/a 1 qt/a 0.5 % v/v A	86.8	92.5	58.003	95.88
10	AFFINITY TM NIS	0.8 oz/a 0.5 % v/v A	76.3	75.0	58.368	93.40
11	WIDEMATCH	16 oz/a A	87.3	88.8	58.028	76.64
12	ORION NIS	17 oz/a 0.5 % v/v A	86.0	82.5	57.600	85.35
LSD (P=.05)		17.00	16.05	1.9629	25.210	
Standard Deviation		11.78	11.12	1.3595	17.460	
CV		14.54	14.06	2.35	19.47	