

Washington State University

COMPARISON OF RATES OF HUSKIE AND TANKMIX PARTNER FOR CONTROL OF MUSTARDS

Trial ID: ICB3911 Protocol ID: ICB3911
 Location: LIND DRYLAND STATION Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact: DEAN CHRISTIE / BAYERCROP SCIENCE

General Trial Information

Investigator: Dr. Ian C. Burke

Trial Location

City: Lind **Latitude of LL Corner °:** 47.00122 N
State/Prov.: Washington **Longitude of LL Corner °:** 118.34471 W
Altitude of LL Corner, Unit: 1614.00 FT
Country: USA United States

Personnel

Investigator: Dr. Ian C. Burke

Crop Description

Winter Wheat
Variety: Clearfield 103
Planting Method: JD H2 **Planting Date:** Aug-26-2010
Depth, Unit: 5 IN **Rate, Unit:** 40 LB/A
Row Spacing, Unit: 16 IN
Seed Bed: FOLLOW
Harvest Date: Aug-3-2011 **Harvest Equipment:** KINCAID 8-XP
Harvested Width, Unit: 5 FT **Harvested Length, Unit:** 28 FT

Pest Description

Pest 1 Type: W **Code:** BROTE Bromus tectorum
Common Name: Downy brome
Pest 2 Type: W **Code:** SSYAL Sisymbrium altissimum
Common Name: Tumble mustard

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 Lind
% Sand: 33.8 **% OM:** 1.24
% Silt: 57.4 **pH:** 6.1
% Clay: 8.8 **CEC:** 20.3
Analyzed By:
 NORTHWEST AGRICULTURAL CONSULTANTS

Application Description

	A
Application Date:	Apr-20-2011
Time of Day:	1100
Application Method:	SPRAY
Application Timing:	POSPOS
Application Placement:	FOLIAR
Applied By:	DP
Air Temperature, Unit:	51.5 F
% Relative Humidity:	23
Wind Velocity, Unit:	2.2 MPH
Wind Direction:	ENE
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	4 C
Soil Moisture:	DRY
% Cloud Cover:	80

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Crop Stage At Each Application

	A
Stage Scale Used:	DESC
Stage Majority, Percent:	Tillered 100
Height, Unit:	7 IN
Height Minimum, Maximum:	6 8

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	BROTE W
Stage Majority, Percent:	Tiller 100
Diameter, Unit:	6 IN
Density, Unit:	1 Plant
Coverage, Unit:	1 M2
Pest 2 Code, Type, Scale:	SSYAL W
Stage Majority, Percent:	Rosett 100
Height, Unit:	4 IN
Height Minimum, Maximum:	2 6
Density, Unit:	36 Plants
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
Carrier:	WATER
Spray Volume, Unit:	15 gal/ac
Mix Size, Unit:	1.5 liters
Propellant:	CO2

