

Washington State University

TANK MIX COMPATIBILITY OF STARANE FLEX + AXIAL FOR CONTROL OF ITALIAN RYEGRASS AND WILD OATS.

Trial ID: ICB2911 Protocol ID: ICB2911
 Location: Study Director: Dr. Ian C. Burke
 Project ID: JPY11045 Investigator: Dr. Ian C. Burke
 Sponsor Contact: Dr. Joseph Yenish / Dow AgroSciences

General Trial Information

Study Director: Dr. Ian C. Burke
Investigator: Dr. Ian C. Burke

Trial Location

City: Pullman
State/Prov.: Washington

Personnel

Study Director: Dr. Ian C. Burke
Investigator: Dr. Ian C. Burke

Crop Description

Spring Wheat
Variety: Louise
Planting Method: HORSCH
Depth, Unit: 1 IN
Row Spacing, Unit: 12 IN
Seed Bed: ROUtra rough/trashy
Soil Moisture: WET wet
Harvest Date: Sep-16-2011
Harvested Width, Unit: 5 FT
Planting Date: Mar-27-2011
Rate, Unit: 80 LB/A
Spacing Within Row, Unit: 6 IN
Harvest Equipment: Kincaid 8 XP
Harvested Length, Unit: 30 FT

Pest Description

Pest 1 Type: W **Code:** LOLMU Lolium multiflorum
Common Name: Italian ryegrass
Pest 2 Type: W **Code:** LACSE Lactuca serriola
Common Name: Prickly lettuce
Pest 3 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:** RACOBL Randomized Complete Block (RCB)

Soil Description

Description Name: Silt Loam Cook West
% Sand: 26.3 **% OM:** 2.82
% Silt: 61.2 **pH:** 5.2
% Clay: 12.5 **CEC:** 23.8
Analyzed By:
 Northwest Agricultural Consultants

Washington State University

Application Description

	A
Application Date:	Jun-20-2011
Time of Day:	1400
Application Method:	CO2 BP
Application Timing:	POSPOS
Application Placement:	FOLIAR
Applied By:	RR
Air Temperature, Unit:	71.1 F
% Relative Humidity:	44
Wind Velocity, Unit:	1.6 MPH
Wind Direction:	S
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	15 C
Soil Moisture:	DRY
% Cloud Cover:	80

Crop Stage At Each Application

	A
Stage Scale Used:	BBCH
Stage Majority, Percent:	23 32
Stage Minimum, Percent:	31 20
Stage Maximum, Percent:	32 80
Height, Unit:	11 IN
Height Minimum, Maximum:	10 12
Plant Foliage Height, Unit:	12 IN

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	LOLMU W
Stage Majority, Percent:	4 lf
Height, Unit:	4 IN
Density, Unit:	10 Plants
Coverage, Unit:	1 M2
Pest 2 Code, Type, Scale:	LACSE W
Stage Majority, Percent:	Rose
Stage Minimum, Percent:	4 lf 30
Stage Maximum, Percent:	6 lf 70
Diameter, Unit:	6 IN
Density, Unit:	11 Plants
Coverage, Unit:	1 M2
Pest 3 Code, Type, Scale:	SONAS W
Stage Majority, Percent:	Rose
Stage Minimum, Percent:	4 lf 50
Stage Maximum, Percent:	8 lf 50
Diameter, Unit:	3 IN
Density, Unit:	22 Plants
Coverage, Unit:	1 M2

Washington State University

Application Equipment

	A
Appl. Equipment:	CO2 BP
Equipment Type:	SPRAY
Operation Pressure, Unit:	24 PSI
Nozzle Type:	XR
Nozzle Size:	11002 VS
Nozzle Spacing, Unit:	18 IN
Nozzles/Row:	4
Boom Length, Unit:	6 FT
Boom Height, Unit:	20 IN
Ground Speed, Unit:	3 MPH
Carrier:	H2O
Spray Volume, Unit:	15 gal/ac
Mix Size, Unit:	1.5 liters
Propellant:	CO2

Washington State University

TANK MIX COMPATIBILITY OF STARANE FLEX + AXIAL FOR CONTROL OF ITALIAN RYEGRASS AND WILD OATS.

Trial ID: ICB2911 Protocol ID: ICB2911
 Location: Study Director: Dr. Ian C. Burke
 Project ID: JPY11045 Investigator: Dr. Ian C. Burke
 Sponsor Contact: Dr. Joseph Yenish / Dow AgroSciences

Pest Type	W Weed	W Weed	W Weed		
Pest Code	CHEAL	CIRAR	ANTCO		
Pest Scientific Name	Chenopodium al>	Cirsium arvense	Anthemis cotula		
Pest Name	Common lambsqu>	Canada thistle	Mayweed chamom>		
Crop Name				Spring Wheat	Spring Wheat
Crop Variety				Louise	Louise
Part Rated	FOLIAG -	FOLIAG -	FOLIAG -	Seed -	Seed -
Rating Date	Jul-22-2011	Jul-22-2011	Jul-22-2011	Sep-16-2011	Sep-16-2011
Rating Type	CONTROL	CONTROL	CONTROL	Test Weight	YIELD
Rating Unit	%	%	%	lbs/Bu	BU/A
Number of Subsamples	1	1	1	1	1
Assessed By	Nevin L.	Nevin L.	Nevin L.		
Days After First/Last Applic.	32 32	32 32	32 32	88 88	88 88
Trt-Eval Interval	155 DA-A	124 DA-A	28	88 DA-A	88 DA-A
Plant-Eval Interval	117 DP-1	117 DP-1	117 DP-1	173 DP-1	173 DP-1
ARM Action Codes					
Number of Decimals					
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	4	5	6
1 CHECK			0.0	0.0	0.0
2 AXIAL XL	16.4 fl oz/a A		0.0	0.0	0.0
3 AXIAL XL	16.4 fl oz/a A		72.5	99.0	96.8
STARANE FLEX	13.5 fl oz/a A				
NIS	0.5 % v/v A				
4 AXIAL XL	16.4 fl oz/a A		99.0	99.0	88.5
STARANE FLEX	13.5 fl oz/a A				
MCPA ESTER	8.63 fl oz/a A				
NIS	0.5 % v/v A				
5 HUSKIE	11.5 fl oz/a A		99.0	99.0	86.3
AXIAL XL	16.4 fl oz/a A				
UAN	1 qt/a A				
6 HUSKIE	11.5 fl oz/a A		99.0	99.0	91.0
AXIAL XL	16.4 fl oz/a A				
STARANE FLEX	13.5 fl oz/a A				
UAN	1 qt/a A				
NIS	0.5 % v/v A				
7 HUSKIE	11.5 fl oz/a A		99.0	99.0	94.5
UAN	1 qt/a A				
8 FLORASULAM	1.34 fl oz/a A		84.8	99.0	92.0
NIS	0.5 % v/v A				
9 STARANE	1 pt/a A		89.3	91.8	42.5
LSD (P=.05)			12.69	7.05	13.46
Standard Deviation			8.70	4.83	9.22
CV			12.18	6.34	14.03
					2.3352
					1.6000
					2.76
					12.31989507
					8.44135846
					16.34