

Washington State University

Reflex Synergism with Lorox for Mayweed Chamomile Control in PEAS.

Trial ID: ICB3711 Protocol ID: ICB3711
 Location: Pullman-Cook Study Director:
 Project ID: Investigator: Dr. Ian C. Burke
 Sponsor Contact:

General Trial Information

Study Director: Dr. Ian C. Burke **Title:** Assistant Professor
Investigator: Dr. Ian C. Burke **Title:** Assistant Professor

Trial Location

City: Pullman
State/Prov.: Washington

Personnel

Study Director: Dr. Ian C. Burke **Title:** Assistant Professor
Affiliation: Washington State University
Address: 171 Johnson Hall
Location: Pullman, WA
Postal Code: 99164-6420 **E-mail:** icburke@wsu.edu
Phone No.: 509.335.2858

Investigator: Dr. Ian C. Burke **Title:** Assistant Professor
Affiliation: Washington State University
Postal Code: 99164 **E-mail:** icburke@wsu.edu

Cooperator/Landowner

Cooperator: Gil Cook
Organization: TKI NovaSource
State/Prov: WA **Phone No.:** 5099811716
E-mail: cookge@comcast.com

Crop Description

Spring pea
Variety: Aragorn
Planting Method: GPNT **Planting Date:** May-20-2011
Depth, Unit: 1.5 IN **Rate, Unit:** 160 LB/A
Row Spacing, Unit: 7.5 In
Seed Bed: COARSE coarse
Soil Moisture: WET wet
Harvest Date: Aug-26-2011 **Harvest Equipment:** Kincaid 8 XP
Harvested Width, Unit: 5 FT **Harvested Length, Unit:** 30 FT

Site and Design

Plot Width, Unit: 8 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 240 FT²
Replications: 4 **Study Design:** FACTOR Factorial

Soil Description

Description Name: Silt Loam Cook West
% Sand: 24.3 **% OM:** 2.31
% Silt: 54.5 **pH:** 5.4
% Clay: 21.2 **CEC:** 19.9
Analyzed By:
 Northwest Agricultural Consultants

Washington State University

Application Description

	A
Application Date:	May-25-2011
Time of Day:	1100
Application Method:	CO2 BP
Application Timing:	PREE
Application Placement:	SOIL
Applied By:	RR
Air Temperature, Unit:	66 F
% Relative Humidity:	41
Wind Velocity, Unit:	9.9 MPH
Wind Direction:	E
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	10 C
Soil Moisture:	DRY
% Cloud Cover:	10
Next Rain Occurred On:	May-25-2011

Crop Stage At Each Application

	A
Stage Scale Used:	PREE

Application Equipment

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

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Pest Type	W Weed	W Weed	W Weed	
Pest Code	ANTCO	ANTCO	ANTCO	
Pest Scientific Name	Anthemis cotula	Anthemis cotula	Anthemis cotula	
Pest Name	Mayweed chamom>	Mayweed chamom>	Mayweed chamom>	
Crop Name				Spring Pea
Part Rated	Foliag -	Foliag -	Foliag -	pea -
Rating Date	May-31-2011	Jun-16-2011	Jul-5-2011	Aug-26-2011
Rating Type	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	%	%	%	LB/A
Number of Subsamples	1	1	1	1
Assessed By	ICB	ICB	Nevin L.	
Days After First/Last Applic.	6 6	22 22	41 41	93 93
Trt-Eval Interval	0 DA-A	22 DA-A	41 DA-A	93 DA-A
Plant-Eval Interval	11 DP-1	27 DP-1	46 DP-1	98 DP-1
ARM Action Codes				TY1
Number of Decimals				2
Trt No.	Treatment Name	Rate	Appl Unit	Code
		1		
		2		
		3		
		6		
1	Reflex Lorox	86 oz/a	A	
		35.7 oz/a	A	
		99.0		
2	Reflex Lorox	86 oz/a	A	
		28.5 oz/a	A	
		98.5		
3	Reflex Lorox	86 oz/a	A	
		21.4 oz/a	A	
		99.0		
4	Reflex Lorox	43 oz/a	A	
		35.7 oz/a	A	
		99.0		
5	Reflex Lorox	43 oz/a	A	
		28.5 oz/a	A	
		95.0		
6	Reflex Lorox	43 oz/a	A	
		21.4 oz/a	A	
		98.0		
7	Reflex Lorox	21.4 oz/a	A	
		35.7 oz/a	A	
		99.0		
8	Reflex Lorox	21.4 oz/a	A	
		28.5 oz/a	A	
		92.0		
9	Reflex Lorox	21.4 oz/a	A	
		21.4 oz/a	A	
		99.0		
10	Nontreated			
		0.0		
		0.0		
		0.0		
		92.45		
LSD (P=.05)		5.07		6.47
Standard Deviation		3.49		4.46
CV		3.97		5.09
				5.01
				3.45
				3.9
				83.661
				57.658
				51.36