

Washington State University

SHARPEN/POST PLANT PREEMERGENCE/RATE/EFFICACY/CHICKPEA

Trial ID: ICB4911
 Location: COOK Farm
 Project ID: DEM-H-2011-US-CP2-A-01.0

Protocol ID: ICB4911
 Study Director:
 Investigator: Dr. Ian C. Burke
 Sponsor Contact: CHUCK RICE

General Trial Information

Investigator: Dr. Ian C. Burke

Trial Location

City: Pullman
State/Prov.: Washington

Personnel

Investigator: Dr. Ian C. Burke

Crop Description

Chickpea
Variety: Sierra

Planting Method: HORSCH
Depth, Unit: 1.5 IN
Row Spacing, Unit: 6 IN
Seed Bed: COARSE coarse
Soil Moisture: WET wet
Harvest Date: Sep-20-2011

Planting Date: May-15-2011
Rate, Unit: 160 LB/A

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: 35 FT
Plot Area, Unit: 280 FT²
Replications: 4

Study Design: RACOB. Randomized Complete Block (RCB)

Soil Description

Description Name: Silt Loam Cook West
% Sand: 23.0 **% OM:** 2.28
% Silt: 54.5 **pH:** 5.1
% Clay: 22.5 **CEC:** 28.6

Analyzed By:
 Northwest Agricultural Consultants

Application Description

	A
Application Date:	May-20-2011
Time of Day:	1000
Application Method:	CO2 BP
Application Timing:	PREEMERGE
Application Placement:	SOIL
Applied By:	RR
Air Temperature, Unit:	69.8 F
% Relative Humidity:	31
Wind Velocity, Unit:	2.8 MPH
Wind Direction:	SW
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	9 C
Soil Moisture:	DAMP
% Cloud Cover:	0
Next Rain Occurred On:	May-21-2011

Crop Stage At Each Application

	A
Stage Scale Used:	DESC
Stage Majority, Percent:	PREEMERG

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Pest Stage At Each Application

	A
Stage Majority, Percent:	PREE

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:	H2O
Spray Volume, Unit:	15 gal/ac
Mix Size, Unit:	1.5 liters

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Pest Type	W Weed		
Pest Name	Weed Sp.		
Crop Name	Chickpea		Chickpeas
Crop Variety	Sierra		
Part Rated	FOLIAG -		Bean -
Rating Date	Jul-6-2011		Sep-20-2011
Rating Type	Control		YIELD
Rating Unit	%		LB
Number of Subsamples	1		1
Assessed By	Alan R.		
Days After First/Last Applic.	47 47		123 123
Trt-Eval Interval	47 DA-A		123 DA-A
Plant-Eval Interval	52 DP-1		128 DP-1
ARM Action Codes			TY1
Number of Decimals			2
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
1 SHARPEN	2 fl oz/a A		
PROWL H2O	12 fl oz/a A		
ROUNDUP POWERMAX	19.6 fl oz/a A		
MSO	1 % v/v A		
AMS	1.2 lb/a A		
		1	4
2 SHARPEN	4 fl oz/a A		
PROWL H2O	12 fl oz/a A		
ROUNDUP POWERMAX	19.6 fl oz/a A		
MSO	1 % v/v A		
AMS	1.2 lb/a A		
		43.8	1183.95
3 SHARPEN	2 fl oz/a A		
PROWL H2O	12 fl oz/a A		
SENCOR	6 oz/a A		
ROUNDUP POWERMAX	19.6 fl oz/a A		
MSO	1 % v/v A		
AMS	1.2 lb/a A		
		61.3	1241.81
4 VALOR	2 oz/a A		
PROWL H2O	12 fl oz/a A		
SENCOR	6 oz/a A		
ROUNDUP POWERMAX	19.6 fl oz/a A		
MSO	1 % v/v A		
AMS	1.2 lb/a A		
		75.8	1262.53
5 Nontreated		A	
		0.0	722.43
LSD (P=.05)		21.76	438.799
Standard Deviation		14.12	284.789
CV		31.98	25.55