

Washington State University

Weed Control with Paraquat formulations

Trial ID: ICB5611 Protocol ID: ICB5611
 Location: Cook Farm Study Director:
 Project ID: Investigator: Dr. J. P. Yenish
 Sponsor Contact:

General Trial Information

Investigator: Dr. J. P. Yenish

Personnel

Investigator: Dr. J. P. Yenish

Crop Description

Seed Bed: COMPAC compacted

Site and Design

Plot Width, Unit: 9 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 270 FT²
Replications: 4 **Study Design:** RACOBL Randomized Complete Block (RCB)

Application Description

	A
Application Date:	Aug-16-2011
Time of Day:	1000
Application Method:	SPRAY
Application Timing:	POS
Application Placement:	FOLIAR
Applied By:	RR
Air Temperature, Unit:	72 F
% Relative Humidity:	29
Wind Velocity, Unit:	2.8 mph
Wind Direction:	SW
Dew Presence (Y/N):	N no
Soil Temperature, Unit:	21 C
Soil Moisture:	DRY
% Cloud Cover:	5

Crop Stage At Each Application

	A
Stage Scale Used:	BBCH
Stage Majority, Percent:	BLOOM

Application Equipment

	A
Appl. Equipment:	CO2 BP
Equipment Type:	SPRAY
Operation Pressure, Unit:	24 psi
Nozzle Type:	XR
Nozzle Size:	VS11002
Nozzle Spacing, Unit:	18 IN
Nozzles/Row:	4
Boom Length, Unit:	6 FT
Boom Height, Unit:	3 FT
Ground Speed, Unit:	3 mph
Carrier:	H2O
Spray Volume, Unit:	15 gal/ac
Mix Size, Unit:	1.5
Propellant:	CO2

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Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	SONOL	SONOL	SONOL	SONOL				
Pest Scientific Name	Sonchus olerac>	Sonchus olerac>	Sonchus olerac>	Sonchus olerac>				
Pest Name	Annual sowthis>	Annual sowthis>	Annual sowthis>	Annual sowthis>				
Part Rated	Foliag -	Foliag -	Foliag -	Foliag -				
Rating Date	Aug-19-2011	Aug-22-2011	Aug-26-2011	Aug-30-2011				
Rating Type	Control	Control	Control	Control				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Days After First/Last Applic.	3 3	6 6	10 10	14 14				
Trt-Eval Interval	3 DA-A	3 DA-A	3 DA-A	3 DA-A				
Trt No.	Treatment Name	Rate	Appl Unit	Code	1	2	3	4
1	Untreated Control		A		0.0	0.0	0.0	0.0
2	Bonfire NIS	0.75 pt/a 0.25 % v/v	A		89.5	86.3	86.3	83.8
3	Bonfire NIS	1.5 pt/a 0.25 % v/v	A		91.3	88.8	90.8	89.3
4	Bonfire NIS	3.0 pt/a 0.25 % v/v	A		97.0	96.0	95.5	98.5
5	Firestorm NIS	0.75 pt/a 0.25 % v/v	A		87.5	83.8	83.8	85.0
6	Firestorm NIS	1.5 pt/a 0.25 % v/v	A		93.0	87.5	87.5	88.5
7	Firestorm NIS	3.0 pt/a 0.25 % v/v	A		98.0	97.5	96.5	95.7
8	Gramoxone Inteon NIS	1.125 pt/a 0.25 % v/v	A		89.3	88.8	88.3	84.5
9	Gramoxone Inteon NIS	2.25 pt/a 0.25 % v/v	A		97.0	97.0	96.3	97.8
10	Gramoxone Inteon NIS	4.5 pt/a 0.25 % v/v	A		97.5	96.5	96.0	97.8
LSD (P=.05)					4.69	7.79	9.35	10.70
Standard Deviation					3.23	5.37	6.45	7.36
CV					3.85	6.53	7.85	8.97