

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

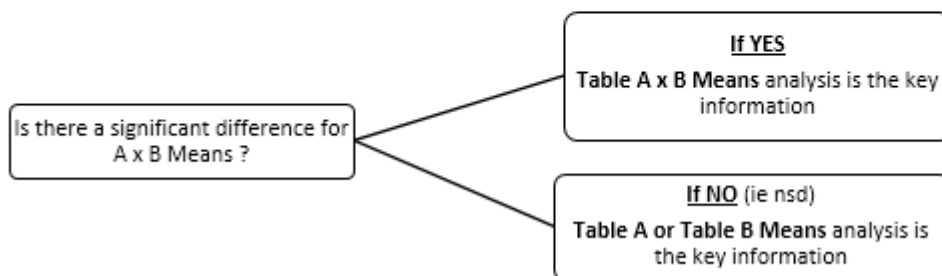
Paraquat Nozzles & Water Volumes 2015-16

Trial ID: AM1545 Factorial Location: Edgeroi Trial Year: 2015
 Investigator: Anthony Mitchell

Application Code:	A	B	C	D
Application Rate & Water Volume:	Nuquat 1.2L @ 66L/ha	Nuquat 0.6@ 133L/ha	Nuquat 1.2L @ 200L/ha	Nuquat 4.0 @ 133L/ha Optical spray rate
Application Date:	26/02/2016			
Weed Size:	Large Rosette to Elongating			

Trial designed as Randomised Complete Block and analysed as a Factorial

	In Simple Terms
Table of A Means:	Mean of 'NOZZLE' performance with ALL 'RATE & VOLUME' treatments
Table of B Means:	Mean of 'RATE & VOLUME' performance with ALL 'NOZZLE' treatments
Table of A x B Means:	'NOZZLE' performance with EACH 'RATE & VOLUME' treatment



Pest Scientific Name				<i>Sonchus oleraceus</i>			
Pest Name				Common Sowthistle			
Situation				Fallow			
Rating Date				3/03/2016	9/03/2016	9/03/2016	9/03/2016
Rating Type				VISUAL CONTROL	COUNT LIVE	COUNT DEAD	CONTROL
Rating Unit				%	/m ²	/m ²	%
Treatment-Evaluation Interval				6 DAA	12 DAA	12 DAA	12 DAA
Trt No.	Treatment	Product Rate	Appln. Code				
TABLE OF A MEANS (Nozzle)							
1	TT11002 nozzles			72a	5.6-	8.5a	63ab
2	AIXR11002 nozzles			61ab	4.6-	8.1a	67a
3	AITTJ11002 nozzles			49b	6.0-	6.1b	50b
4	TTI11002 nozzles			53b	6.1-	5.8b	49b
TABLE OF B MEANS (Rate & Volume)							
1	Nuquat 1.2L @ 66L/ha	1200ml/ha	A	52b	5.2b	6.0b	52b
2	Nuquat 0.6L @ 133 L/ha	600ml/ha	B	36c	10.4a	3.4c	26c
3	Nuquat 1.2L @ 200 L/ha	1200ml/ha	C	49b	6.6b	6.5b	53b
4	Nuquat 4L @ 133 L/ha	4000ml/ha	D	98a	0.1c	12.9a	99a
TABLE OF A x B MEANS (Nozzles x Rate & Volume)							
1a	TT11002 nozzles			77abc	3.4-	9.1-	75ab
2a	Nuquat 1.2L @ 66L/ha	1200ml/ha	A	64cde	2.4-	9.4-	81ab
3a	AITTJ11002 nozzles			19g	7.3-	2.1-	21d
4a	TTI11002 nozzles			48ef	7.8-	3.4-	30d

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Trial Year: 2015

Pest Scientific Name Pest Name Situation Rating Date Rating Type Rating Unit Treatment-Evaluation Interval				<i>Sonchus oleraceus</i> Common Sowthistle Fallow			
				3/03/2016 VISUAL CONTROL % 6 DAA	9/03/2016 COUNT LIVE /m ² 12 DAA	9/03/2016 COUNT DEAD /m ² 12 DAA	9/03/2016 CONTROL % 12 DAA
Trt No.	Treatment	Product Rate	Appln. Code				
1b	TT11002 nozzles Nuquat 0.6L @ 133 L/ha	600ml/ha	B	74bcd	10.2-	5.0-	35cd
2b	AIXR11002 nozzles Nuquat 0.6L @ 133 L/ha	600ml/ha	B	24fg	10.1-	3.4-	25d
3b	AITTJ11002 nozzles Nuquat 0.6L @ 133 L/ha	600ml/ha	B	26fg	11.2-	2.4-	19d
4b	TTI11002 nozzles Nuquat 0.6L @ 133 L/ha	600ml/ha	B	19g	9.9-	2.9-	23d
1c	TT11002 nozzles Nuquat 1.2L @ 200 L/ha	1200ml/ha	C	40efg	8.6-	7.1-	46cd
2c	AIXR11002 nozzles Nuquat 1.2L @ 200 L/ha	1200ml/ha	C	60cde	6.0-	7.5-	61bc
3c	AITTJ11002 nozzles Nuquat 1.2L @ 200 L/ha	1200ml/ha	C	52de	5.2-	6.2-	61bc
4c	TTI11002 nozzles Nuquat 1.2L @ 200 L/ha	1200ml/ha	C	45ef	6.8-	5.0-	44cd
1d	TT11002 nozzles Nuquat 4L @ 133 L/ha	4000ml/ha	D	96ab	0.3-	12.8-	98a
2d	AIXR11002 nozzles Nuquat 4L @ 133 L/ha	4000ml/ha	D	96ab	0.0-	13.3-	100a
3d	AITTJ11002 nozzles Nuquat 4L @ 133 L/ha	4000ml/ha	D	100a	0.3-	13.5-	98a
4d	TTI11002 nozzles Nuquat 4L @ 133 L/ha	4000ml/ha	D	100a	0.0-	12.0-	100a

Means followed by same letter do not significantly differ (P=.05, LSD)

DAA = Days after Application

COMPLETE FACTORIAL AOV <i>Sonchus oleraceus</i> - Sowthistle 3/03/2016 % VISUAL CONTROL						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	45768.479167				
R	2	786.541667	393.270833	1.850	0.1747	
A	3	3544.562500	1181.520833	5.558	0.0037	12
B	3	26456.895833	8818.965278	41.485	0.0001	12
AB	9	8603.020833	955.891204	4.497	0.0008	24
ERROR	30	6377.458333	212.581944			

COMPLETE FACTORIAL AOV <i>Sonchus oleraceus</i> - Sowthistle Live Plants/m ² 9/03/2016 COUNT /m ²						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	1119.619792				
R	2	12.025417	6.012708	0.482	0.6220	
A	3	16.442292	5.480764	0.440	0.7262	2.9
B	3	644.137292	214.712431	17.228	0.0001	2.9
AB	9	73.120208	8.124468	0.652	0.7442	5.9
ERROR	30	373.894583	12.463153			

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Trial Year: 2015

COMPLETE FACTORIAL AOV <i>Sonchus oleraceus</i> - Sowthistle Dead Plants/ m ² 9/03/2016 COUNT /m ²						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	900.466667				
R	2	11.907917	5.953958	1.242	0.3031	
A	3	76.941667	25.647222	5.352	0.0045	1.8
B	3	586.278333	195.426111	40.782	0.0001	1.8
AB	9	81.580000	9.064444	1.892	0.0922	3.6
ERROR	30	143.758750	4.791958			

COMPLETE FACTORIAL AOV <i>Sonchus oleraceus</i> - Sowthistle % CONTROL 9/03/2016 %						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	52500.536667				
R	2	679.046667	339.523333	1.170	0.3243	
A	3	2880.745000	960.248333	3.308	0.0334	14.2
B	3	33600.345000	11200.115000	38.579	0.0001	14.2
AB	9	6631.000000	736.777778	2.538	0.0268	28.4
ERROR	30	8709.400000	290.313333			

Application Description				
	A	B	C	D
Application Date:	26/02/2016			
Application Start Time:	7:00 AM			
Application Stop Time:	10:00 AM			
Application Method:	SPRAY			
Application Timing:	Late Post-Em			
Air Temperature, Unit:	27 C			
% Relative Humidity:	32			
Wind Velocity, Unit:	3 km/h			
Wind Direction:	SW			
% Cloud Cover:	0			

Application Equipment				
	A	B	C	D
Application Equipment:	Quad Bike			
Nozzle Type:	All 4			
Nozzle Size:	11002			
Nozzle Spacing, Unit:	50 cm			
Boom Length, Unit:	4 m			
Boom Height, Unit:	50 cm			
Spray Volume, Unit:	66 L/ha	133 L/ha	200 L/ha	200 L/ha