



## Paraquat Nozzles & Water Volumes 2015-16

Trial ID: LB1529      Location: St Ruth      Trial Year: 2015

Pest Scientific Name				<i>Chloris virgata</i>	
Pest Name				Feathertop Rhodes grass	
Situation				Fallow	
Rating Date				20/01/2016	3/02/2016
Rating Type				BIOMASS REDN	COUNT
Rating Unit				%	/m <sup>2</sup>
Pest Stage Majority				59	59
Treatment-Evaluation Interval				9 DAA	23 DAA
ARM Action Codes					T1
Trt No.	Treatment	Product Rate	Appl. Code		
<b>TABLE OF A MEANS (Nozzles)</b>					
1	TT11002 nozzles			48-	25.8-
2	AIXR11002 nozzles			47-	23.8-
3	AITTJ11002 nozzles			48-	27.8-
4	TTI11002 nozzles			50-	25.3-
<b>TABLE OF B MEANS (Rate &amp; Volume)</b>					
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A	47-	29.3-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	49-	27.1-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	47-	25.8-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D	49-	20.4-
<b>TABLE OF A x B MEANS (Nozzles x Rate &amp; Volume)</b>					
1	TT11002 nozzles			50-	38.7-
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
2	AIXR11002 nozzles			43-	33.3-
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
3	AITTJ11002 nozzles			45-	21.7-
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
4	TTI11002 nozzles			48-	23.3-
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
1	TT11002 nozzles			50-	24.0-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
2	AIXR11002 nozzles			43-	28.0-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
3	AITTJ11002 nozzles			50-	28.3-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
4	TTI11002 nozzles			52-	28.0-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
1	TT11002 nozzles			43-	22.7-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
2	AIXR11002 nozzles			45-	17.3-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
3	AITTJ11002 nozzles			47-	41.3-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
4	TTI11002 nozzles			53-	22.0-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
1	TT11002 nozzles			47-	18.0-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D		
2	AIXR11002 nozzles			55-	16.3-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D		
3	AITTJ11002 nozzles			48-	19.7-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D		
4	TTI11002 nozzles			47-	27.7-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D		

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

### Rating Type

BIOMASS REDN = Biomass reduction

### Pest Stage Majority

59 = First flower petals visible (in petalled forms; G Inflorescence fully emerged (end of heading)

### ARM Action Codes

T1 = [C2]\*4

DAA = Days after Application

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COMPLETE FACTORIAL AOV						
<i>Chloris virgata</i> - Feathertop Rhodes grass						
Fallow - 20/01/2016						
BIOMASS REDN % 59 9 DAA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	3791.666667				
R	2	1119.791667	559.895833	8.010	0.0016	
A	3	75.000000	25.000000	0.358	0.7839	7.0
B	3	54.166667	18.055556	0.258	0.8548	7.0
AB	9	445.833333	49.537037	0.709	0.6964	13.9
ERROR	30	2096.875000	69.895833			

COMPLETE FACTORIAL AOV						
<i>Chloris virgata</i> - Feathertop Rhodes grass						
Fallow - 3/02/2016						
COUNT /m <sup>2</sup> 59 23 DAA T1						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	5434.979167				
R	2	138.541667	69.270833	0.712	0.4985	
A	3	98.562500	32.854167	0.338	0.7980	8.2
B	3	509.229167	169.743056	1.746	0.1788	8.2
AB	9	1771.854167	196.872685	2.025	0.0714	16.4
ERROR	30	2916.791667	97.226389			

Application Description				
	A	B	C	D
Application Date:	11/01/2016			
Application Start Time:	12:40 PM	1:30 PM	2:00 PM	2:15 PM
Application Stop Time:	12:55 PM	1:45 PM	2:15 PM	2:30 PM
Application Method:	SPRAY			
Application Timing:	Late Post-Em			
Air Temperature, Unit:	26 C			
% Relative Humidity:	34			
Wind Velocity, Unit:	8 km/h			
Wind Direction:	S			
Dew Presence (Y/N):	No			
Soil Moisture:	SLIDRY			
% Cloud Cover:	5			
Next Moisture Occurred On:	13/01/2016			

Application Equipment				
	A	B	C	D
Application Equipment:	Quad Bike			
Equipment Type:	BOOM			
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	All 4			
Nozzle Size:	11002			
Nozzle Spacing, Unit:	50 cm			
Nozzles/Row:	6			
Boom Length, Unit:	3 m			
Boom Height, Unit:	50 cm			
Ground Speed, Unit:	19 km/h	9.5 km/h	6.3 km/h	19 km/h
Carrier:	WATER			
Spray Volume, Unit:	50 L/ha	100 L/ha	150 L/ha	50 L/ha