

Paraquat Nozzles & Water Volumes 2015-16

Trial ID: DK1514 Location: Moree Trial Year: 2016

Pest Scientific Name				<i>Echinochloa colona</i>	
Pest Name				Awnless Barnyard Grass	
Situation				Fallow	
Rating Date				1/02/2016	11/02/2016
Rating Type				BURNDOWN	REGROWING
Rating Unit				%	%
Treatment-Evaluation Interval				10 DAA	20 DAA
Trt No.	Treatment	Product Rate	Appln. Code		
TABLE OF A MEANS (Nozzles)					
1	TT11002 nozzles			72.0a	54.5-
2	AIXR11002 nozzles			62.0b	63.0-
3	AITTJ11002 nozzles			66.5ab	47.0-
4	TT11002 nozzles			59.0b	59.4-
TABLE OF B MEANS (Rate & Volume)					
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A	62.7-	60.8a
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	65.7-	56.8a
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	62.0-	62.1a
4	Nuquat 2.0L @ 50 L/ha	2000ml/ha	D	69.1-	44.2b
TABLE OF A x B MEANS (Nozzles x Rate & Volume)					
1	TT11002 nozzles			72.9-	57.9-
	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
2	AIXR11002 nozzles			59.2-	65.8-
	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
3	AITTJ11002 nozzles			54.2-	55.8-
	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
4	TT11002 nozzles			64.6-	63.8-
	Nuquat 1.2L @ 50L/ha	1200ml/ha	A		
1a	TT11002 nozzles			70.4-	64.2-
	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
2a	AIXR11002 nozzles			53.3-	71.7-
	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
3a	AITTJ11002 nozzles			83.3-	30.4-
	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
4a	TT11002 nozzles			55.6-	60.8-
	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B		
1b	TT11002 nozzles			66.0-	51.7-
	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
2b	AIXR11002 nozzles			64.6-	69.6-
	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
3b	AITTJ11002 nozzles			59.6-	54.2-
	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
4b	TT11002 nozzles			57.9-	72.9-
	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C		
1c	TT11002 nozzles			78.8-	44.2-
	Nuquat 2.0L @ 50 L/ha	2000ml/ha	D		
2c	AIXR11002 nozzles			70.8-	45.0-
	Nuquat 2.0L @ 50 L/ha	2000ml/ha	D		
3c	AITTJ11002 nozzles			68.8-	47.5-
	Nuquat 2.0L @ 50 L/ha	2000ml/ha	D		
4c	TT11002 nozzles			57.9-	40.0-
	Nuquat 2.0L @ 50 L/ha	2000ml/ha	D		

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

Rating Type

BURNDOWN = burndown/brownout

DAA = Days after Application

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COMPLETE FACTORIAL AOV						
<i>Echinochloa colona</i> - Awnless Barnyard Grass						
Fallow 1/02/2016						
BURNDOWN % 10 DAA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	7265.244792				
R	2	25.674479	12.837240	0.103	0.9020	
A	3	1157.651042	385.883681	3.109	0.0411	9.3
B	3	372.026042	124.008681	0.999	0.4067	9.3
AB	9	1986.901042	220.766782	1.779	0.1143	18.6
ERROR	30	3722.992188	124.099740			

COMPLETE FACTORIAL AOV						
<i>Echinochloa colona</i> - Awnless Barnyard Grass						
Fallow 11/02/2016						
REGROWING % 20 DAA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	13922.623698				
R	2	1102.799479	551.399740	2.702	0.0834	
A	3	1732.389323	577.463108	2.830	0.0552	11.909
B	3	2411.816406	803.938802	3.939	0.0175	11.909
AB	9	2553.417969	283.713108	1.390	0.2363	23.818
ERROR	30	6122.200521	204.073351			

Application Description				
	A	B	C	D
Application Date:	22/01/2016			
Application Start Time:	6:15 AM			
Application Stop Time:	7:45 AM			
Application Method:	SPRAY			
Application Timing:	Late Post-Em			
Air Temperature, Unit:	27.5 C			
% Relative Humidity:	44.6			
Wind Velocity, Unit:	7.2 km/h			
Wind Direction:	ENE			
Dew Presence (Y/N):	No			
% Cloud Cover:	50			
Time to Next Moisture, Unit:	3 DAY			

Application Equipment				
	A	B	C	D
Application Equipment:	Quad Bike			
Equipment Type:	BOOM			
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	all			
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