

Disclaimer:

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Paraquat Nozzles & Water Volumes 2015-16 - Factorial

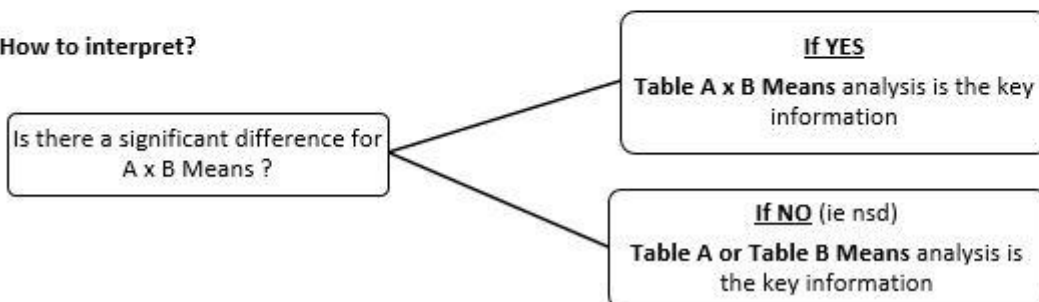
Trial ID: DK1504 Location: Billa Billa Trial Year: 2015
 Investigator: Denielle Kilby

Application Code:	A	B	C	D
Application:	Nuquat 1.2L @ 50L/ha	Nuquat 1.2L @ 100L/ha	Nuquat 1.2L @ 150L/ha	Nuquat 2L @ 50L/ha
Application Date:	3/12/2015			
Weed Size Average:	9 tillers			
Weed Size Range:	3 tillers - budding			
Weed Density:	69/m ²			

Trial designed and analysed as a Strip Plot

	In Simple Terms
1. Table of A Means:	Mean of 'Nozzle' performance with ALL 'Rate & Volume' treatments
2. Table of B Means:	Mean of 'Rate & Volume' performance with ALL 'Nozzle' treatments
3. Table of A x B Means:	'Nozzle' performance with EACH 'Rate & Volume' treatment

How to interpret?



Pest Scientific Name				<i>Echinochloa colona</i>	
Pest Name				Awnless Barnyard Grass	
Crop Name				Fallow	
Rating Date				10/12/15	12/1/16
Rating Type				PHYNEC	REGROWING PLANTS
Rating Unit				%	%
Treatment-Evaluation Interval				7 DAA	40 DAA
ARM Action Codes				AS	AA
Trt No.	Treatment	Product Rate	Appln. Code		
TABLE OF A MEANS (Nozzles)					
1	TT11002 nozzles			32.9-	99.9-
2	AIXR11002 nozzles			42.0-	99.9-
3	AITTJ11002 nozzles			40.2-	99.7-
4	TT11002 nozzles			47.0-	99.0-
TABLE OF B MEANS (Rate & Volume)					
1	Nuquat 1.2L @ 50L/ha	1200ml/ha	A	31.9-	99.8-
2	Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	51.1-	99.2-
3	Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	47.6-	99.9-
4	Nuquat 2L @ 50 L/ha	2000ml/ha	D	32.6-	99.7-

Paraquat Nozzles & Water Volumes 2015-16 - Factorial

Trial ID: **DK1504** Location: **Billa Billa** Trial Year: **2015**

Pest Scientific Name Pest Name Crop Name Rating Date Rating Type Rating Unit Treatment-Evaluation Interval ARM Action Codes				<i>Echinochloa colona</i> Awnless Barnyard Grass Fallow	
				10/12/15 PHYNEC %	12/1/16 REGROWING PLANTS %
Trt No.	Treatment	Product Rate	Appln. Code		
TABLE OF A x B MEANS (Nozzles x Rate & Volume)					
1a	TT11002 nozzles Nuquat 1.2L @ 50L/ha	1200ml/ha	A	33.3-	99.6-
2a	AIXR11002 nozzles Nuquat 1.2L @ 50L/ha	1200ml/ha	A	28.9-	100.0-
3a	AITTJ11002 nozzles Nuquat 1.2L @ 50L/ha	1200ml/ha	A	30.0-	99.9-
4a	TT11002 nozzles Nuquat 1.2L @ 50L/ha	1200ml/ha	A	35.5-	99.0-
1b	TT11002 nozzles Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	34.2-	100.0-
2b	AIXR11002 nozzles Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	54.4-	99.6-
3b	AITTJ11002 nozzles Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	43.4-	99.5-
4b	TT11002 nozzles Nuquat 1.2L @ 100 L/ha	1200ml/ha	B	77.0-	95.0-
1c	TT11002 nozzles Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	39.5-	99.6-
2c	AIXR11002 nozzles Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	46.2-	99.9-
3c	AITTJ11002 nozzles Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	44.8-	100.0-
4c	TT11002 nozzles Nuquat 1.2L @ 150 L/ha	1200ml/ha	C	61.4-	99.9-
1d	TT11002 nozzles Nuquat 2L @ 50 L/ha	2000ml/ha	D	25.5-	100.0-
2d	AIXR11002 nozzles Nuquat 2L @ 50 L/ha	2000ml/ha	D	40.3-	99.9-
3d	AITTJ11002 nozzles Nuquat 2L @ 50 L/ha	2000ml/ha	D	43.5-	98.3-
4d	TT11002 nozzles Nuquat 2L @ 50 L/ha	2000ml/ha	D	23.5-	99.9-

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

Rating Type

PHYNEC = phytotoxicity - necrosis /burn

ARM Action Codes

AS = Automatic square root transformation of X+0.5

AA = Automatic arcsine square root % transformation

DAA = Days after Application

Paraquat Nozzles & Water Volumes 2015-16 - Factorial

Trial ID: DK1504

Location: Billa Billa

Trial Year: 2015

COMPLETE FACTORIAL AOV						
<i>Echinochloa colona</i> - Awnless Barnyard Grass						
Fallow 10/12/2015						
PHYNEC % AS						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	85.707388				
R	2	0.546940	0.273470	0.277	0.7611	
A	3	7.661038	2.553679	1.638	0.2776	1.2
RA	6	9.356985	1.559498			
B	3	21.837172	7.279057	4.088	0.0673	1.3
RB	6	10.684113	1.780685			
AB	9	17.863303	1.984811	2.012	0.0989	1.7
RAB	18	17.757838	0.986547			

COMPLETE FACTORIAL AOV						
<i>Echinochloa colona</i> - Awnless Barnyard Grass						
Fallow 12/01/2016						
REGROWING PLANTS % AA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	47	2271.871649				
R	2	254.349949	127.174974	2.343	0.1246	
A	3	115.438178	38.479393	1.096	0.4205	5.9
RA	6	210.685360	35.114227			
B	3	71.728395	23.909465	0.447	0.7283	7.3
RB	6	320.764774	53.460796			
AB	9	322.075802	35.786200	0.659	0.7339	12.6
RAB	18	976.829192	54.268288			

Application Description				
	A	B	C	D
Application Date:	3/12/2015			
Application Start Time:	10:45 AM			
Application Stop Time:	12:55 PM			
Application Method:	SPRAY			
Application Timing:	Late Post-Em			
Air Temperature, Unit:	30.4 C			
% Relative Humidity:	55.6			
Wind Velocity, Unit:	1.4 m/s			
Dew Presence (Y/N):	No			
% Cloud Cover:	0			
Next Moisture Occurred On:	11/12/2015			
Time to Next Moisture, Unit:	9 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			
Boom Length, Unit:	3 m			
Boom Height, Unit:	50 cm			
Ground Speed, Unit:	19 km/hr	9.5 km/hr	6.3 km/hr	19 km/hr
Spray Volume, Unit:	50 L/ha	100 L/ha	150 L/ha	50 L/ha