

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.

Improving Paraquat Performance 2015-16

Trial ID: DK1505

Location: Goondiwindi

Trial Year: 2015

Investigator: Denielle Kilby

Application Date:	10/12/2015
Weed Stage Average:	5 tillers
Weed Stage Range:	5 leaf - flowering
Weed Density:	26/m ²

Pest Scientific Name			<i>Echinochloa colona</i>		
Pest Name			Awnless Barnyard Grass		
Situation			Fallow		
Rating Date			18/12/2015	13/01/2016	13/01/2016
Rating Type			PHYNEC	COUNT	REGROWING PLANTS
Rating Unit			%	/m ²	%
Treatment-Evaluation Interval			8 DAA	34 DAA	34 DAA
ARM Action Codes			AA	AL	AA
Trt No.	Treatment	Product Rate			
1	Nuquat	1200ml/ha	74b-f	5.5-	42-
2	Nuquat	1600ml/ha	95a	4.0-	47-
3	Nuquat	2000ml/ha	90ab	3.2-	33-
4	Nuquat	2400ml/ha	95a	3.5-	63-
5	Sprayseed 250	1200ml/ha	57f	6.6-	41-
6	Nuquat	1200ml/ha	78b-f	2.4-	50-
	Uptake	0.5% v/v			
7	Nuquat	1200ml/ha	61ef	2.2-	86-
	Gp A V	100ml/ha			
	Uptake	0.5% v/v			
8	Nuquat	1200ml/ha	73b-f	4.5-	69-
	Gp A S	400ml/ha			
	Uptake	0.5% v/v			
9	Nuquat	1200ml/ha	66def	0.6-	25-
	Balance	50g/ha			
10	Nuquat	1200ml/ha	79b-f	0.8-	7-
	Balance	100g/ha			
11	Nuquat	1600ml/ha	83a-d	1.8-	9-
	Balance	50g/ha			
12	Nuquat	1600ml/ha	88ab	1.9-	3-
	Balance	100g/ha			
13	Nuquat	1600ml/ha	68c-f	3.8-	31-
	Glyphosate CT	1000ml/ha			
14	Nuquat	1600ml/ha	86abc	0.5-	15-
	Sharpen	26g/ha			
	Hasten	1% v/v			
15	Nuquat	1600ml/ha	81a-e	7.1-	85-
	Atragranz	700g/ha			
16	Balance	100g/ha	18g	2.9-	46-
	Uptake	0.5% v/v			
	LSD P=		13.4t	nsd	nsd
	Treatment Prob.(F)=		0.0001	0.0916	0.0628

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

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.

nsd = No significant difference

Paraquat Spikes & Mixtures 2015-16

Trial ID: DK1505 **Location:** Goondiwindi **Trial Year:** 2015

Rating Type

PHYNEC = phytotoxicity – necrosis/burndown

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

DAA = Days after Application

Application Description

Application Date:	10/12/2015
Application Start Time:	7:40 AM
Application Stop Time:	10:10 AM
Application Method:	SPRAY
Air Temperature, Unit:	26 C
% Relative Humidity:	58.6
Wind Velocity, Unit:	2.2 km/h
Dew Presence (Y/N):	No
Soil Moisture:	FAIR
% Cloud Cover:	0

Application Equipment

Application Equipment:	Quad Bike
Equipment Type:	BOOM S
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
Nozzle Spacing, Unit:	50 cm
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	10.3 km/h
Spray Volume, Unit:	70 L/ha