

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.

Optical Spray Treatments for Control of Grasses 2015-16

Trial ID: DK1506

Location:

Goondiwindi

Trial Year: 2016

Investigator:

Denielle Kilby

Application Date:	20/01/2016
Weed Stage Average:	5 Tillers
Weed Stage Range:	3 Tillers – Early Flowering
Weed Density:	9/m ²

Pest Scientific Name			<i>Echinochloa colona</i>		
Pest Name			Awnless Barnyard Grass		
Situation			Fallow		
Rating Date			2/02/2016	15/02/2016	15/02/2016
Rating Type			BURNDOWN	REGROWTH	COUNT
Rating Unit			%	%	/m ²
Treatment-Evaluation Interval			13 DAA	26 DAA	26 DAA
ARM Action Codes			AA		AL
Trt No.	Treatment	Product Rate			
1	Verdict 520 Uptake	300ml/ha 0.5% v/v	40.3c	56.3-	2.9-
2	Verdict 520 Uptake Ammonium Sulfate	300ml/ha 0.5% v/v 2% v/v	32.1c	79.2-	7.5-
3	Verdict 520 Uptake Ammonium Sulfate	500ml/ha 0.5% v/v 2% v/v	41.9c	43.8-	2.4-
4	Verdict 520 Garlon 600 Uptake Ammonium Sulfate	300ml/ha 200ml/ha 0.5% v/v 2% v/v	34.5c	70.8-	7.8-
5	Verdict 520 Starane Advanced Uptake Ammonium Sulfate	300ml/ha 2000ml/ha 0.5% v/v 2% v/v	46.2c	62.5-	5.9-
6	Status Uptake Ammonium Sulfate	500ml/ha 0.5% v/v 2% v/v	34.9c	83.3-	8.4-
7	Verdict 520 Status Uptake Ammonium Sulfate	300ml/ha 500ml/ha 0.5% v/v 2% v/v	38.5c	47.9-	4.3-
8	Basta	5000ml/ha	87.9b	66.3-	6.4-
9	Basta Balance	5000ml/ha 100g/ha	85.5b	70.8-	6.7-
10	Nuquat	5000ml/ha	82.4b	62.5-	3.5-
11	Nuquat Balance	5000ml/ha 100g/ha	83.0b	42.9-	4.2-
12	Weedmaster DST	5000ml/ha	99.2a	1.7-	0.3-
13	Alliance	7000ml/ha	81.9b	75.0-	4.9-
	LSD P=		11.06t	nsd	nsd
	Treatment Prob.(F)=		0.0001	0.0996	0.0868

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

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Location: Goondiwindi

Trial Year: 2016

Rating Type

BURNDOWN = burndown/brownout

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

DAA = Days after Application

Application Description	
Application Date:	20/01/2016
Application Start Time:	06:40 AM
Application Stop Time:	8:20 AM
Application Method:	SPRAY
Application Timing:	Late Post-Em
Air Temperature, Unit:	22 C
% Relative Humidity:	70
Wind Velocity, Unit:	4.0 km/h
Dew Presence (Y/N):	Yes
% Cloud Cover:	0
Next Moisture Occurred On:	23/01/2016

Application Equipment	
Application Equipment:	Quad Bike
Equipment Type:	BOOM
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	015
Nozzle Spacing, Unit:	50 cm
Nozzles/Row:	4
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	10.3 km/h
Carrier:	WATER
Spray Volume, Unit:	70 L/ha