

**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: **DK1512**      Location: **Goondiwindi**      Trial Year: **2016**  
 Investigator: **Denielle Kilby**

Application Date:	<b>15/01/2016</b>
Weed Stage Average:	<b>Stem Elongation</b>
Weed Stage Range:	<b>5 Leaf – Early Flowering</b>
Weed Density:	<b>17/m<sup>2</sup></b>

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	25/02/2016
Rating Type			BURNDOWN	REGROWING	COUNT	COUNT
Rating Unit			%	%	/m <sup>2</sup>	/m <sup>2</sup>
Treatment-Evaluation Interval			18 DAA	31 DAA	31 DAA	41 DAA
ARM Action Codes			AL	AA	AS	AS
Trt No.	Treatment	Product Rate				
1	Verdict 520 Uptake	300ml/ha 0.5% v/v	22cd	80bcd	9.5cd	8.4bcd
2	Verdict 520 Uptake Ammonium Sulfate	300ml/ha 0.5% v/v 2% v/v	36bc	91a-d	12.2a-d	11.2a-d
3	Verdict 520 Uptake Ammonium Sulfate	500ml/ha 0.5% v/v 2% v/v	34bc	63d	10.3bcd	6.1cd
4	Verdict 520 Garlon 600 Uptake Ammonium Sulfate	300ml/ha 200ml/ha 0.5% v/v 2% v/v	46ab	93a-d	13.8abc	14.8abc
5	Verdict 520 Starane Advanced Uptake Ammonium Sulfate	300ml/ha 2000ml/ha 0.5% v/v 2% v/v	21cd	91a-d	17.0a	16.6ab
6	Status Uptake Ammonium Sulfate	500ml/ha 0.5% v/v 2% v/v	37bc	66cd	7.9d	5.7d
7	Verdict 520 Status Uptake Ammonium Sulfate	300ml/ha 500ml/ha 0.5% v/v 2% v/v	41b	91a-d	13.9abc	6.4cd
8	Basta	5000ml/ha	32bc	99ab	16.1ab	19.9a
9	Basta Balance	5000ml/ha 100g/ha	30bc	100a	15.6abc	18.5ab
10	Nuquat	5000ml/ha	29bc	94abc	15.0abc	16.2ab
11	Nuquat Balance	5000ml/ha 100g/ha	35bc	98ab	13.6a-d	13.4a-d
12	Weedmaster DST	5000ml/ha	79a	64d	9.7cd	12.0a-d
13	Alliance	7000ml/ha	15d	100a	17.6a	19.8a
		LSD P= Treatment Prob.(F)=	0.3t 0.0009	22.5t 0.0090	0.86t 0.0467	1.42t 0.0321

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.

## Optical Spray Treatments for Control of Grasses 2015-16

Trial ID: DK1512

Location: Goondiwindi

Trial Year: 2016

Rating Type

BURNDOWN = Burndown/brownout

ARM Action Codes

AL = Automatic log transformation of X+1

AA = Automatic arcsine square root % transformation

AS = Automatic square root transformation of X+0.5

DAA = Days after Application

### Application Description

Application Date:	15/01/2016
Application Start Time:	6:10 AM
Application Stop Time:	8:00 AM
Application Method:	SPRAY
Application Timing:	Late Post-Em
Air Temperature, Unit:	25 C
% Relative Humidity:	64.4
Wind Velocity, Unit:	3.6 km/h
Wind Direction:	W
Dew Presence (Y/N):	No
% Cloud Cover:	0

### Application Equipment

Application Equipment:	Quad Bike
Equipment Type:	BOOM
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
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