

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.**

Residual Herbicides for Summer Fallow Weed Control 2014-15

Trial ID: RN1430 Location: North Star Trial Year: 2014
 Protocol ID: NGA1417 Investigator: Rachel Norton

Application Code:	A
Application Date:	2/12/2014
Target Stage:	Pre-emergent

Scientific Pest Name:			<i>Echinochloa colona</i>	
Pest Name:			Awnless Barnyard Grass	
Rating Date:			17/12/2014	2/03/2015
Rating Type:			COUNT	COUNT
Rating Unit:			/m ²	/m ²
Pest Stage Majority:			23	63
Treatment-Evaluation Interval:			15 DAA	90 DAA
ARM Action Codes:			AA T1	AL T2
Trt No.	Treatment Name	Product Rate		
1	Untreated	-	19.5a	19.9a
2	Gp K DG	2000ml/ha	0.0c	1.0bcd
3	Flame	200ml/ha	0.5b	0.3cd
4	Balance	100g/ha	0.0c	0.3cd
5	Gp K DG Balance	2000ml/ha 100g/ha	0.2bc	0.3cd
6	Gp K DG Gp D SX	2000ml/ha 3300ml/ha	0.0c	0.0d
7	Balance Flame	100g/ha 200ml/ha	0.0c	2.7b
8	Balance Gp D SX	100g/ha 3300ml/ha	0.0c	0.4cd
9	Flame Gp D SX	200ml/ha 3300ml/ha	0.5b	0.1cd
10	Balance Terbyne Xtreme	100g/ha 860g/ha	0.0c	0.0d
11	Gp K DG Terbyne Xtreme	2000ml/ha 860g/ha	0.0c	0.9bcd
12	Flame Terbyne Xtreme	200ml/ha 860g/ha	0.0c	0.4cd
13	Flame Gp C D	200ml/ha 1000g/ha	0.0c	1.3bc
LSD P=			2.65t	0.34t
Treatment Prob.(F)			0.00	0.00

Rating Type

COUNT = count

Rating Unit/m² = per square meter**Pest Stage Majority**

23 = 3 side shoots visible; G_3 tillers visible

63 = 30% of flowers open

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

T1 = Arcsine square root percent ([2])

T2 = LOG ([4] + 1)

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.

Application Description	
	A
Application Date:	2/12/2014
Application Start Time:	5.30am
Application Stop Time:	6:30 AM
Application Method:	SPRAY
Application Timing:	PREEM
Application Placement:	SOIL
Air Temperature, Unit:	21.7 C
% Relative Humidity:	50
Wind Velocity, Unit:	26 KPH
Wind Direction:	NNE
Dew Presence (Y/N):	N no
Soil Moisture:	DRY
% Cloud Cover:	20

Application Equipment	
	A
Application Equipment:	Quadbike
Equipment Type:	SPRAYE
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 KPH
Carrier:	WATER
Spray Volume, Unit:	70 L/ha